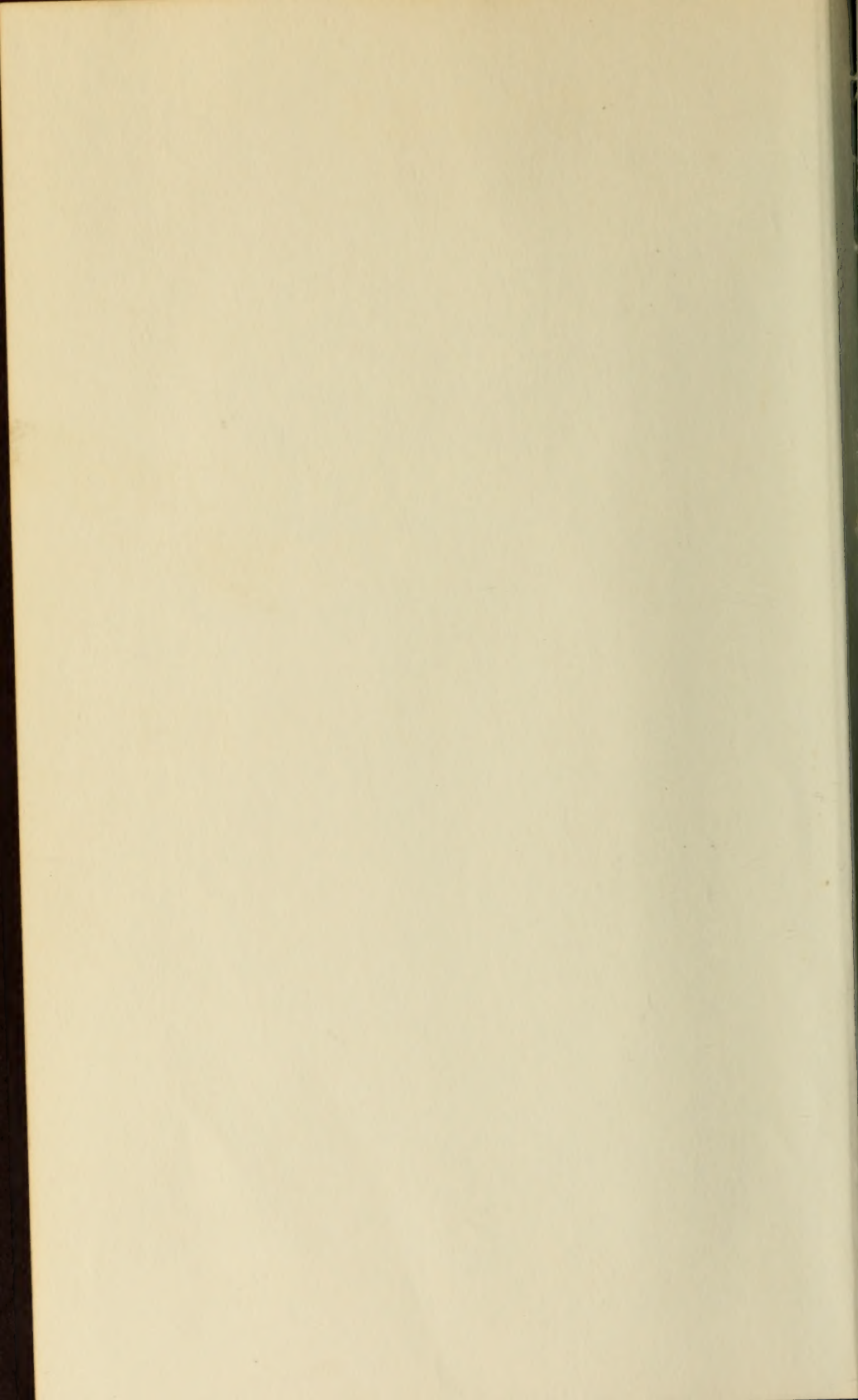


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**1964-65**

**BULLETIN**    **ARMSTRONG**  
**COLLEGE**  
**OF**  
**SAVANNAH**



**SAVANNAH, GEORGIA**

On June 10, 1964, the Regents of the University System of Georgia changed the status of Armstrong College from junior to senior level. This requires the following changes in the schedule of fees:

Page 21	Application Fee	10.00
Page 26	Application Fee	10.00
Page 26	<i>Matriculation Fee</i>	
	The Matriculation Fee for students registering for the normal course load of fifteen hours is \$60.00. Special students (those carrying less than 12 credit hours in a quarter) will pay at the rate of \$5.00 per quarter hour in Matriculation Fee.	
Page 26	<i>Out of State Tuition</i>	
	Non-Residents of Georgia must pay a fee of \$100.00 per quarter in addition to all regular fees. Special students (those carrying less than 12 credit hours in a quarter) who are not legal residents of the State of Georgia will pay at the rate of \$8.00 per quarter hour Out-of-State Fee in addition to all regular fees.	
Page 28	<i>Summary of Fees</i>	
	Matriculation, per quarter	60.00
	Student Activity Fee, per quarter	10.00
	<b>TOTAL FOR GEORGIA RESIDENTS</b>	70.00
	Out-of-State Tuition, per quarter	100.00
	<b>TOTAL FOR NON-RESIDENTS</b>	170.00
	Matriculation, Special Students, per quarter hour	5.00
	Non-Resident Tuition, Special Students, per quarter hour (in addition to Matriculation Fee)	8.00



8C160

1964-1965

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SUMMER

FALL

WINTER

SPRING

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BULLETIN OF  
**Armstrong College**  
of Savannah  
Savannah, Georgia

A Unit of the University System  
of Georgia



*Membership in*

American Association of Junior Colleges  
Southern Association of Colleges and Secondary Schools  
Association of Georgia Colleges  
Georgia Association of Junior Colleges

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VOLUME XXIX

NUMBER 4

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1964

CALENDAR

1964

## APRIL

S	M	T	W	T	F	S
		1	2	3	4	
5	6	7	8	9	10	11
12	13	14	15	16	17	18
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## JULY

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## OCTOBER

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## MAY

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31						

## AUGUST

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## NOVEMBER

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## JUNE

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## SEPTEMBER

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## DECEMBER

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27	28	29	30	31		

1965

CALENDAR

1965

## JANUARY

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## APRIL

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## JULY

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18	19	20	21	22	23	24
25	26	27	28	29	30	31

## FEBRUARY

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## MAY

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23	24	25	26	27	28	29
30	31					

## AUGUST

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22	23	24	25	26	27	28
29	30	31				

## MARCH

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21	22	23	24	25	26	27
28	29	30	31			

## JUNE

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6	7	8	9	10	11	12
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20	21	22	23	24	25	26
27	28	29	30			

## SEPTEMBER

S	M	T	W	T	F	S
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5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

# CALENDAR FOR 1964 - 1965

## SUMMER SESSION, 1964

May 1:	Last day to file all papers of Application for Admission for preferred registration status
May 19:	Last day to file all papers of Application for Admission (including CEEB SAT scores)
June 9:	Registration
June 10:	Classes begin
June 12:	Last day to register for credit
June 19:	Last day to change classes
July 6:	Mid-term reports due
July 15, 17:	Pre-registration
August 6-7:	Examinations

## FALL QUARTER, 1964

May 1:	Last day to file all papers of Application for Admission for preferred registration status
August 1:	Last day to file all papers of Application for Admission (including CEEB SAT scores)
September 16:	Freshman Orientation (9:00 a.m., Jenkins Hall Auditorium) Advisement for former students (9:00 a.m. - 12:00 p.m.) Advisement for freshmen (1:30 p.m. - 4:30 p.m.)
September 17:	Advisement and registration for former students Students who have pre-registered 9:00 a.m. - 10:00 a.m. Students who have <i>not</i> pre-registered whose last names begin with the indicated letters will be advised and registered: H through P 10:00 a.m. - 11:00 a.m. Q through Z 2:00 p.m. - 3:00 p.m. A through G 3:00 p.m. - 4:00 p.m.
September 18:	Registration for freshmen with preferred registration status ("red tag") Students whose last names begin with the letters A through K 9:00 a.m. - 10:00 a.m. L through Z 10:00 a.m. - 11:00 a.m. Registration and advisement for all other new students Students whose last names begin with the letters A through K 2:00 p.m. - 3:00 p.m. L through Z 3:00 p.m. - 4:00 p.m. Registration and advisement for all students who did not register earlier 6:00 p.m. - 8:00 p.m.
September 21:	Classes begin
September 23:	Last day to register for credit
September 25:	Last day to change classes
October 26:	Mid-term reports due
November 2-6:	Pre-registration

## FALL QUARTER, 1964

November 4:	Assembly for installation of student officers (12:30 p.m., Jenkins Hall Auditorium)
November 26-29:	Thanksgiving Holidays
November 30:	Ga. and U.S. history and government test
December 7-9:	Examinations

## WINTER QUARTER, 1965

December 14:	Last day to file all papers of Application for Admission (including CEEB SAT scores)
January 4:	Registration
January 5:	Classes begin
January 7:	Last day to register for credit
January 11:	Last day to change classes
February 8:	Mid-term reports due
February 15-19:	Pre-registration
March 8:	Ga. and U.S. history and government test
March 16-18:	Examinations

## SPRING QUARTER, 1965

March 1:	Last day to file all papers of Application for Admission (including CEEB SAT scores)
March 24:	Registration
March 25:	Classes begin
March 29:	Last day to register for credit
March 30:	Last day to change classes
April 16:	Holiday
May 3:	Mid-term reports due
May 10:	Ga. and U.S. history and government test
May 10-14:	Pre-registration
May 26:	Honors Day Assembly
June 2, 3, 4:	Examinations
June 7:	Graduation

## SUMMER SESSION, 1965

May 1:	Last day to file all papers of Application for Admission for preferred registration status
June 10:	Registration
June 11:	Classes begin
June 14:	Last day to register for credit
June 16:	Last day to change classes
July 5:	Mid-term reports due
July 14-18:	Pre-registration
August 9-10:	Examinations

# Regents, University System of Georgia

244 Washington Street, S.W. — Fourth Floor  
ATLANTA

<i>District</i>	<i>Regent</i>	<i>Address</i>
State at Large—	James A. Dunlap (February 19, 1960 - January 1, 1967)	Gainesville
State at Large—	T. Hiram Stanley (January 13, 1964 - January 1, 1971)	Columbus
State at Large—	Roy V. Harris (February 19, 1960 - January 1, 1967)	Augusta
State at Large—	Dr. John A. Bell, Jr. (January 1, 1963 - January 1, 1970)	Dublin
State at Large—	Carey Williams (January 1, 1962 - January 1, 1969)	Greensboro
First—	Anton F. Solms, Jr. (January 1, 1962 - January 1, 1969)	Savannah
Second—	John I. Spooner (January 1, 1961 - January 1, 1968)	Donalsonville
Third—	Howard H. Callaway (January 1, 1958 - January 1, 1965)	Pine Mountain
Fourth—	James C. Owen, Jr. (January 1, 1963 - January 1, 1970)	Griffin
Fifth—	Jesse Draper (January 1, 1961 - January 1, 1968)	Atlanta
Sixth—	G. L. Dickens, Jr. (January 13, 1964 - January 1, 1971)	Milledgeville
Seventh—	Ernest L. Wright (February 6, 1959 - January 1, 1966)	Rome
Eighth—	John W. Langdale (January 13, 1964 - January 1, 1971)	Valdosta
Ninth—	Morris M. Bryan, Jr. (February 3, 1959 - January 1, 1966)	Jefferson
Tenth—	W. Roscoe Coleman (January 1, 1958 - January 1, 1965)	Augusta

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<i>Director Plant &amp; Business Operator</i>	J. H. Dewberry
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<i>Director Testing &amp; Guidance</i>	John R. Hills
<i>Associate Director Testing &amp; Guidance</i>	Harry S. Downs

\*On leave.

## THE ARMSTRONG COLLEGE COMMISSION

The Commission controls certain endowment funds and scholarship funds which have been contributed by local citizens over a period of years. It serves also in an advisory capacity to the college.

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ARTHUR I. JEFFORDS.....	<i>Vice-Chairman</i>
JULE C. ROSSITER.....	<i>Secretary and Treasurer</i>

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 Florida State University..... *Dean of Students*  
 (On leave of absence 1964-1965)

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MINNIE MCG. CAMPBELL	<i>Veterans' Affairs Officer</i>
BERTIS JONES	<i>Secretary to the Registrar</i>
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SARAH FLOYD TUTEN	<i>Assistant to the Admissions Officer</i>

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NORMA JEAN CALLOWAY	<i>Secretary</i>
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MARY KEARNEY	<i>P.B.X. Operator</i>

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ELIZABETH BONNELL LEGETTE	<i>Assistant to the Catalog Librarian</i>

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*Professor of Biology*

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\*Part-time Instructor.



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Carolina  
*Director, Student Personnel Services*  
*Assistant Professor of Psychology*

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\*Part-time Instructor.

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*Assistant Professor of Botany and Biology*
- \*STANLEY KARSMAN, L.L.B., University of Georgia  
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*Professor of Music*

\*Part-time Instructor.

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*Assistant Professor of Mathematics*

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Assistant Professor of English*

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\*Part-time Instructor.

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*Assistant Professor of Mathematics*

MILDRED ALEEN WILLIAMS, B.S., Western Carolina College; M.S., Clemson College

*Acting Chairman, Department of Chemistry*  
*Associate Professor of Chemistry*

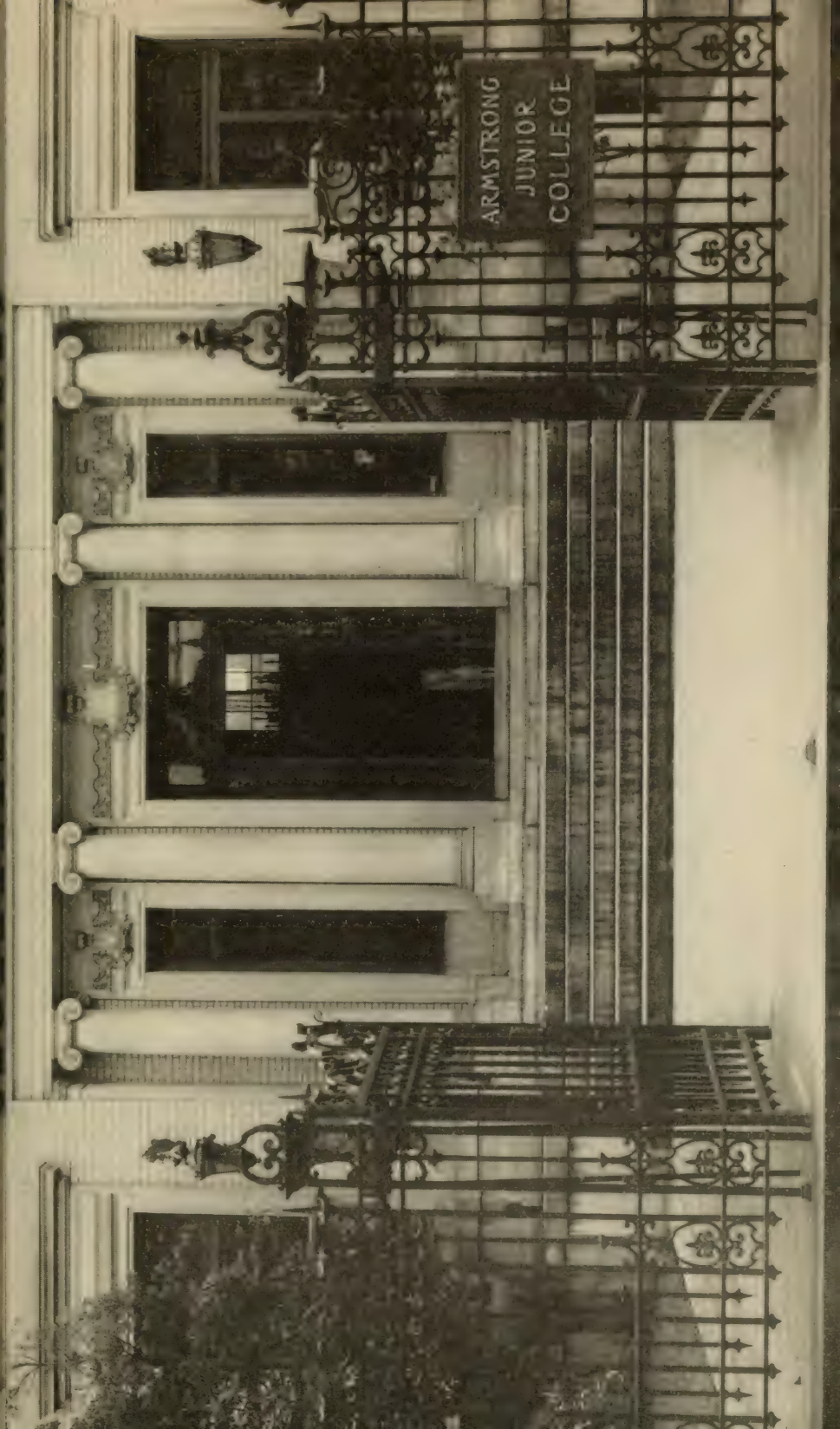
WILLIAM SWOLL WINN, B.D., A.B., Emory University; M.A., University of North Carolina

*Professor of Mathematics*

REGINA YOAST, B.A., Texas Christian University; B.S. in Library Science, Columbia University

*Librarian*

ARMSTRONG  
JUNIOR  
COLLEGE



# GENERAL INFORMATION

## History of Armstrong College of Savannah

Armstrong College of Savannah was founded on May 27, 1935, by the Mayor and Aldermen of the City of Savannah to meet a long-felt need for a junior college. The first college building was the home of the late George F. Armstrong, a gift to the city from his widow and daughter. The Armstrong Building is an imposing structure of Italian Renaissance design, with a great marble hall and spacious rooms.

Over the years the campus has been enlarged through private donation and public appropriation until now it includes four additional buildings: the Lane Building, a gift of the late Mills B. Lane; the John W. Hunt Memorial Building, Herschel V. Jenkins Hall, and Thomas Gamble Hall. Three of the buildings, on Gaston Street, face forty-acre Forsyth Park, the largest and most beautiful park in the city; the other two face Monterey Square, one of the planned squares for which Savannah is famous.

Hodgson Hall, facing Forsyth Park on Whitaker Street, houses the college library as well as the Library of the Georgia Historical Society, to which Armstrong students have access.

The college was under the administrative control of the Armstrong College Commission until January 1, 1959, when the institution became a unit of the University System of Georgia, under the control of the State Board of Regents.

In 1962 the Mills Bee Lane Foundation purchased a new site of over 200 acres, selected by the Regents of the University System of Georgia, for the college. The new campus will be located in the southwestern section of the county, approximately seven miles from the present college plant.

Then in 1963 the Regents of the University System approved the application of Armstrong College to offer the degrees of Bachelor of Arts, Bachelor of Science, and Bachelor of Business Administration, with the first degrees to be conferred in June, 1968.

## The College Program

A college is a community of teachers and students who organize their energies for the work of the mind. At Armstrong College the student works under able teachers to learn skills—such as the arts of language and mathematics—which enable him *to understand man and his world* as these are explored in the humanities, the social sciences and the natural sciences.

The student follows a program of study leading to that degree best suited to his interest and vocational goal. In *any* degree program he

will discover the particular usefulness of *each* of the liberal arts and fields of knowledge for understanding the world and for living in it, while he pursues a more intensive study of his major subject.

A college student lives in a climate where he is induced to make connections between what he thinks and does and the best that has been thought and done; it is a climate intended to nourish the judging, critical and free mind. The rewards of devotion to college work are these liberating skills that enable a man or woman to channel energies into the most fruitful life possible for him or her.

At Armstrong College a student may pursue one or more of the following aims:

1. A student entering his freshman year in September, 1964, may choose a program of study leading to the degree of Bachelor of Arts (major fields: English, history), Bachelor of Science (major field: biology), or Bachelor of Business Administration (major fields: economics, accounting, management). Full third and fourth year programs in these fields will be offered in 1966 and 1967. Major programs in chemistry, mathematics, political science, psychology, sociology and other fields will be added in 1967 and succeeding years.
2. A student may plan a pre-professional program designed to transfer (after one or more years) toward a professional degree in engineering; medicine, medical technology, dentistry, nursing, optometry, pharmacy, pre-veterinary medicine; law; the ministry; social work; teaching; or another professional field.
3. A student may plan a semi-professional program (of one or more years) in business administration, secretarial skills, human relations, and other fields.

Armstrong College will continue to offer the Associate in Arts degree to students completing all requirements of a two-year program before September, 1966.

### **Armstrong Evening Classes**

In addition to the full daytime schedule, Armstrong offers a schedule of classes in the evening, including most of the required courses for many programs leading towards a degree.

Students employed during the day must limit their enrollment to one or two courses each quarter.

### **Student Personnel Services**

Armstrong College offers to students special kinds of help outside the classroom through a program which has attracted wide interest from other colleges.

When a student becomes aware of a difficulty related to his course work, he is urged to request help from his instructor. For advice concerning his choice of vocation, the planning of his college program, or study habits, he should see his advisor.

In addition, Student Personnel Services offers to all students currently enrolled at Armstrong College these services:

1. Individual, short-term counselling on any problems that interfere with the student's functioning in college.
2. Group counselling aimed at overcoming any difficulty in communication which may affect academic performance.
3. Individual aptitude, achievement, interest, vocational and intelligence tests for guidance on decisions affecting choice of educational programs and vocations.
4. Consultation on requirements for various careers.
5. Information on scholarships, loans and financial assistance available for further college work.
6. Consultation on senior college programs from available senior college catalogues.
7. Information on available, part-time job openings for students.

A student's use of any of these services is voluntary and all material discussed is confidential unless both student and counsellor agree to share the information with others.

## Library

The library of Armstrong College is housed in Hodgson Hall on the corner of Whitaker and West Gaston Streets. The open stack plan of the library makes all materials readily available to students and encourages independent research. The main floor Reference Room contains, in addition to the reference collection, all books which are classified according to the Dewey Decimal System, the individual biography collection, the reserve collection, and the circulation desk. The lower floor Reading Room contains the fiction collection, current and bound volumes of periodicals, and the listening area. The offices of the library staff and the catalog room are also located on the lower floor.

At the present time the library collection consists of more than 15,000 bound volumes, as well as a number of pamphlets on subjects of current interest and a small government documents collection. The library receives more than 125 periodicals, including 5 newspapers. The library collection also includes 350 phonograph recordings which are available for circulation, and more than 50 tape recordings which are used to supplement class instruction and for individual pleasure.



In addition to the resources of the college library, the students have free access to the holdings of the Georgia Historical Society, also housed in Hodgson Hall. This library contains an outstanding collection of materials on Georgia and its history as well as a large collection of materials on Southern history. The holdings of the Historical Society consist of more than ten thousand books, eighty periodical subscriptions, and extensive manuscript collection, and one of the more complete files of the Savannah newspapers, dating back to 1763.

### Office of Community Services

1. *Short Courses, Workshops, and Institutes.* These are planned, organized and administered by the Office in response to a group interest, or to meet a community need brought to the attention of the Director. All such short courses and workshops are offered on a non-credit basis. Subjects covered vary widely, ranging from "Computer Concepts" to "Getting Started in Exports." The Director is always glad to arrange courses for candidates preparing to take the professional examinations in such fields as; Engineering; Insurance; Real Estate or secretarial work. The college has been designated as an approved Center for a number of these examinations. The success of the second Writers' Workshop indicates that it will become an annual affair, and similar workshops in other areas of the arts are contemplated.
2. *The Alumni Office.* The prime purpose of this office is to keep former students informed about the college, and to help them keep in touch with each other. Any person who at any time was matriculated as a regular student is eligible for membership in the Alumni Society, and upon payment of his dues will receive the quarterly newsletter, "The Geechee Gazette," and may vote and hold office in the society. The Alumni Office assists in arranging class re-unions, board meetings and other similar functions.
3. *University of Georgia Extension Courses.* These courses offer the student the opportunity to earn upper division credit from the University of Georgia. Instructors for these courses are approved by department heads and deans of the respective colleges at the University, and grades are recorded in the Registrar's Office in Athens. Most senior colleges will accept up to 45 hours credit for extension courses, so a student can complete a third year of college work at Armstrong. Fees for extension courses are \$7.00 per quarter hour, plus \$1.00 registration fee. Applications and registrations for extension

classes are handled by the Department of Community Services, entirely separate from Armstrong courses.

4. *Public Information and Public Relations.* All announcements, statements of policy or news releases are issued through the Department of Community Services.
5. *Planning for Adult Education.* In a world where it is said that "more knowledge has been discovered during the lifetime of the present adult population than existed at the time of its birth", continuing adult education has become an imperative. Education is carrying a built-in obsolescence caused by scientific and technical advances, rapid economic and political changes, and shifts in employment patterns. To help meet this challenge, the Department of Community Services is ready to cooperate with any group, educational, industrial, or social, to enlarge the opportunities for individuals to keep in step with the quickening pace of modern life.

## Student Activities

In addition to the academic side of college life, Armstrong College offers a complete program of extra-curricular student activities designed to contribute to the development of the student and assist him in becoming an active and helpful member of the community. This program is administered by the college through the office of the Dean of Students.

**STUDENT GOVERNMENT**—The Student Senate is the governing body for student activities at Armstrong College. It is comprised of elected representatives of all campus organizations recognized by the Senate. It is the function of the Student Senate to coordinate, direct and control student activities and organizations at Armstrong.

**CLUBS AND ORGANIZATIONS**—College organizations include a dramatic club, a Glee Club, five religious clubs, a Debate Forum, and other groups promoting interest in certain phases of the academic program or specific career fields.

*THE MASQUERS* offer membership to all students and faculty members interested in any phase of the theatre: acting, designing, lighting, make-up, costuming, and other production skills. *THE MASQUERS* possess a well equipped theater, and are under the direction of a professional dramatics director. They produce a number of plays for the community annually.

The Armstrong Glee Club is composed of students who enjoy singing and desire the satisfaction to be gained from

group singing. Besides two yearly concerts at the college, the Glee Club has produced musicals with the Armstrong Masquers and sung for many civic groups in Savannah.

**STUDENT PUBLICATIONS**—There are two student publications at Armstrong College, *The Inkwell*, a newspaper, and the *'Geechee*, the college annual. These afford the students an opportunity to express themselves through creative writing, layout and art work, and to gain experience in these and other journalistic activities.

**ATHLETIC ACTIVITIES**—Armstrong College participates in intercollegiate sports competition in basketball, golf and baseball. Other sports at the college, such as volleyball, bowling, tennis, golf, softball, etc., are offered on an intramural basis with competition between volunteer intramural teams or between other interested campus organizations. All are encouraged to take part in this program.

**STUDENT CENTER**—The college does not operate a boarding department. The Student Center in the Hunt Building is open throughout the day and provide light lunches at reasonable prices. The Center also provides recreational facilities and houses the book store.

# ADMISSION TO THE COLLEGE

Application forms for admission to Armstrong College are provided by the Director of Admissions upon request.

An application cannot be considered until all required forms are properly executed and returned to the Admissions Office. Application forms for entrance in 1964-1965 must be submitted on or before dates set forth below.

Summer Session, 1964—May 19

Fall Quarter, 1964—August 1

Winter Quarter, 1965—December 14

Spring Quarter, 1965—March 1

Summer Session, 1965—May 1

For preferred registration status in Fall, 1965, applications must be submitted by May 1, 1965.

With application form must be submitted: application form fee, transcripts, and College Entrance Examination Board scores.

The College reserves the right to terminate acceptance of applications when enrollment capacity is reached. The College further reserves the right to reject an applicant who is not a resident of the State of Georgia.

## Requirements & Conditions to be Met by Applicant

An applicant will be declared eligible for admission only upon his compliance with the following requirements and conditions:

1. The applicant must be at least sixteen years old on or before registration date and must be of good moral character. Armstrong College reserves the right to examine and appraise the character, personality, and physical fitness of the applicant.

2. The applicant must meet one of the following conditions:

a. Graduation from an accredited high school.

b. Successful completion of the General Education Development Test with no score less than 45.

3. A transcript of the applicant's high school records must be submitted by the high school directly to the college.

4. The applicant must have a minimum of sixteen units as follows:

English—4

Mathematics (One must be algebra)—2

(Two years of algebra and one of geometry are needed for those entering the Engineering or Scientific fields.)

Science—2

Social Studies—2

Other academic units—4

Others—2

The College reserves the right to reject any or all of the credits from any high school or other institution, notwithstanding its accredited status, where the College determines through investigation or otherwise that the quality of instruction at such high school or other institution is for any reason deficient or unsatisfactory.

5. The Scholastic Aptitude Test of the College Entrance Examination Board is required of all applicants. Official results of this test must be filed with the Admissions Office by the final date for submitting application for the quarter for which the student wishes to enroll.

### **Change in Requirements for 1965:**

*Applicants for the Summer and Fall Quarters of 1965 and thereafter will also be required to submit scores of Achievement Tests in English and Mathematics as well as Scholastic Aptitude Test scores. All tests are of the College Entrance Examination Board. Information on these tests can be obtained from the high school principal or counselor, or from the Admissions Office of Armstrong College.*

6. Each student applying to enter Armstrong as a day student must have his physician complete and sign the Physician's Statement contained in the application, after which one parent should sign in the space provided.

### **Change in Requirements for 1965:**

*Beginning with the Fall Quarter 1965, all applicants both day and evening, will be required to submit the Physician's Statement filled out by a physician.*

#### **7. Application Form Fee.**

A validating fee of \$5.00 must accompany each complete application form before it can be given official consideration. This fee does not bind Armstrong College to admit the applicant nor does it indicate acceptance of the applicant's qualifications. The fee will not be credited toward the matriculation fee in the event that the applicant is accepted as a student and it will not be refunded in the event that the applicant does not enroll as a student. An applicant who fails to enroll for the quarter for which he is accepted must reapply for admission if he wishes to enter the institution at a later time by re-submission of fee by the date specified.

### **Further Policies**

1. When the application forms, College Entrance Examination Board scores, and other required records of the applicant are found to be complete and in order, the applicant will be evaluated in terms of his grades, scholastic test scores, and potential ability. His predicted grade average based on these factors must indicate that the applicant

has the potential to pursue effectively the educational program of the College.

2. The College reserves the right to examine further any applicant by the use of psychological, achievement, and aptitude tests. Each applicant must give evidence of good moral character, promise of growth and development, seriousness of purpose, and a sense of social responsibility.

3. The College further reserves the right to require additional biographical data and/or an interview before the applicant is accepted or rejected. If an interview is required, the applicant will be notified.

4. The Director of Admissions may refer any applicant to the Admissions Committee of the College for study and advice. The ultimate decision as to whether an applicant shall be accepted or rejected shall be made by the Director of Admissions subject to the applicant's right of appeal as provided in the policies of the Board of Regents of the University System.

5. The Director of Admissions shall, as promptly as practicable, inform the applicant of the action taken upon his application.

## **Transfer Students**

1. All regulations applicable to students entering college for the first time shall be applicable to students transferring from other colleges. These regulations are described in the foregoing section on Admissions.

2. A student who applies to transfer to Armstrong College from another college shall submit the following:

- a. Application
- b. Fee
- c. Transcripts of all other colleges attended.
- d. Scholastic Aptitude Test scores  
(Beginning with the Summer Quarter of 1965, CEEB Achievement Test scores in English and Mathematics will also be required.)

An applicant will not be considered for admission unless the transcript shows honorable discharge from the college last attended or unless the officials of the institution last attended recommend the applicant's admission.

3. Regulations in regard to transfer of credit:

- (a) The amount of academic credit that the College will allow for work done in another institution within a given period of time may not exceed the normal amount of

credit that could have been earned at the College during that time. A maximum of sixty (60) academic quarter hours from an accredited college may be applied in the applicant's program at Armstrong.

- (b) Courses transferred for credit from other colleges or universities must have an over-all grade of "C". Only grades of "C" or better are acceptable in Freshman English. No credit is allowed for remedial English and mathematics.
- (c) A student on probation or academic suspension at another college will not be considered by Armstrong until two (2) quarters have elapsed since date of probation or suspension.
- (d) The total number of hours that may be earned toward an associate degree by extension courses shall not exceed twenty-two and one-half (22½) quarter hours.

### **Readmission of Former Students**

A. Former students who have attended other colleges.

- 1. If student is former *Transient* he must present new Transient Letter or all grades from other schools attended since he was at Armstrong.
- 2. A former regular student at Armstrong who has transferred to another college must present a Transient Letter or transcript of all colleges attended since leaving Armstrong.

B. Former students who have not attended another college.

- 1. A former regular Armstrong student who has not been elsewhere may be readmitted by the Registrar's office if
  - a. He is in good academic standing
  - b. If two quarters have elapsed since his first or second academic dismissal from Armstrong.
  - c. If the student bears a letter approving readmission by the Committee on Academic Standing.
- 2. No readmission is possible after a third academic dismissal.

### **Admission of Veterans**

Armstrong College of Savannah will accept veterans who are not high school graduates if their official General Educational Development tests show scores that indicate the applicant's ability to do college work. A Certificate of Eligibility and Entitlement (VA Form VB 7-1993) is required of every veteran who attends this insti-

tution under Public Law 550 (Korean Bill), application for which may be completed at the State Department of Veterans Service, 8 East Bay Street, Savannah, Georgia. Immediately upon receipt of Certificate of Eligibility and Entitlement from the State Department of Veterans Service the student should contact the Armstrong College Veterans Office regarding processing of certificate and future monthly reports. All veterans attending Armstrong College under Public Law 550 should be prepared to pay tuition and fees at time of registration.

### **Applicants Sponsored by Vocational Rehabilitation**

Those applicants sponsored by Vocational Rehabilitation or other community agencies must apply at least six (6) weeks before the beginning of any quarter to insure proper processing of application.

### **Foreign Students**

A student from a country other than the United States who is interested in Armstrong must meet the following requirements before application is made.

1. He must have met the requirements of paragraph 4, under Admission Requirements, in regard to units in the subjects required at Armstrong.
2. His transcript should be sent to the Admissions Office at Armstrong with an official translation.
3. He should take the SAT of the College Entrance Examination Board in the testing center nearest his home and ask that the results be sent to Armstrong.

If all of the above requirements have been passed on favorably by Armstrong, the applicant will be sent a set of application papers. When these are received, the applicant will receive an I-20 Form (I-20 A and I-20 B), which he can then take to the American Consul to ask for a student visa.

Armstrong is a city college and has no dormitory or boarding facilities, so these must be arranged by any student who does not live in Savannah.

No scholarships are available for students who are not residents of Georgia. All foreign students pay non-resident fees.

### **Residency Requirements of the Board of Regents**

1. A student who is under 21 years of age at the time he seeks to register or re-register at the beginning of any quarter will be accepted as a resident student only upon a showing by him that his



supporting parent or guardian has been legally domiciled in Georgia for a period of at least twelve months immediately preceding the date of registration or re-registration.

2. In the event that a legal resident of Georgia is appointed as the guardian of a non-resident minor, such minor will not be permitted to register as a resident until the expiration of one year from the date of the appointment, and then only upon proper showing that such appointment was not made to avoid the non-resident fee.

3. If a student is over 21 years of age, he must show that residence in Georgia was established at least one year prior to the registration date. Any period of time during which a person is enrolled as a student in an educational institution in Georgia may not be counted as a part of the year's residence herein required when it appears that the student came into the State and remained in the State for the primary purpose of attending a school or college.

Any inquiries about residency should be directed to the Admissions Office.

# FEES

## Application Fee

The Application Fee of \$5.00 is made by all students at the time of initial application for admission to Armstrong College. The acceptance of the Application Fee does not constitute acceptance of student. This fee is not refundable. (See paragraph 8 under *Admission to the College.*)

## Matriculation Fee

The Matriculation Fee for students registering for the normal course load of fifteen hours is \$45.00. Special students (those carrying less than 12 credit hours in a quarter) will pay at the rate of \$3.75 per quarter hour in Matriculation Fee.

## Out of State Tuition

Non-residents of Georgia must pay a fee of \$60.00 per quarter in addition to all regular fees. Special students (those carrying less than 12 credit hours in a quarter) who are not legal residents of the State of Georgia will pay at the rate of \$5.00 per quarter hour Out-of-State Fee in addition to all regular fees.

## Student Activity Fee

There will be a student Activity Fee of \$10.00 per quarter. This fee is not refundable. Student Activity Fee will be charged to any Day Student who has registered for ten or more quarter hours. No charge will be made to Evening Program Students.

## Late Registration Fee

In the Summer Session a late registration fee of \$4.00 will be charged to students registering on the first day of class and a fee of \$5.00 will be charged for registrations completed on the last day to register for credit.

In the Fall, Winter and Spring Quarters a late registration fee of \$3.00 will be charged to students registering on the date listed in the catalog as the date on which classes begin. A fee of \$4.00 will be charged for registrations completed on the day following the date on which classes begin. A fee of \$5.00 will be charged for registrations completed on the date listed in the catalog as the "last day to register for credit."

## **Change of Schedule Fee**

A fee of \$2.00 is charged for the changing of a student's schedule after the registration cards have been processed. No charge is made if the change is initiated by the College. This fee is not refundable.

## **Graduation Fee**

A Graduation Fee of \$7.50 will be collected from each candidate for graduation.

## **Transcript Fee**

Each student is entitled to one official transcript of his college work. The charge for additional copies is \$1.00 each.

## **Music Fees**

Students enrolled in Applied Music Courses will be required to pay a special fee. The fees are indicated in the description of courses found under "Course Descriptions" elsewhere in this bulletin.

## **Make-up Test Fee**

For cause, a student may arrange with an instructor to make up an announced quiz or final examination. The arrangements to make up the announced test must be made within one week after the student returns to college.

A fee of \$2.00 is charged for the making up of any announced quiz and a fee of \$5.00 for a make-up final examination and laboratory examinations, except as shown below. The total charges to any one student for a final make-up examination in a given subject shall not exceed \$5.00. All fees will be paid to the Business Office.

The conditions under which fees for make-up quizzes and final examinations will not be charged are as follows: The student was absent (1) on official college business; (2) due to illness; (3) because of death in the family; or (4) in observing religious holidays.

The student's reasons for claiming exemption from paying the fee must be presented in writing to the instructor.

## Short Courses

Fees are announced for each course when the course is announced. No refund can be made for withdrawal from a course.

## Summary of Fees

Matriculation, per quarter.....	\$ 45.00
Student Activity, per quarter.....	10.00
TOTAL FOR GEORGIA RESIDENTS	
	\$ 55.00
Out-of-State Tuition, per quarter.....	60.00
TOTAL FOR NON-RESIDENTS.....	
	\$115.00
Matriculation, Special Students, per quarter hour	3.75
Non-Resident Tuition, Special Students, per quarter hour (in addition to Matriculation Fee).....	5.00

## Privilege Fees

Application Fee .....	\$ 5.00
Late Registration—Maximum .....	5.00
Special Examinations .....	2.00
Final Examinations .....	5.00
Graduation .....	7.50
Transcript, first one free, each additional .....	1.00
Change of Schedule.....	2.00

## Refunds

Refunds of fees will be made only upon written application for withdrawal from school. No refunds will be made to students dropping a course. Students who formally withdraw during one week following the scheduled registration date are entitled to a refund of 80% of the fees paid for that quarter. Students who formally withdraw during the period between one and two weeks after the scheduled registration date are entitled to a refund of 60% of the fees paid for that quarter. Students who formally withdraw between two and three weeks after the scheduled registration date are entitled to a refund of 40% of the fees paid for that quarter. Students who formally withdraw during the period between three and four weeks after the scheduled registration date are entitled to a refund of 20% of the fees paid for that quarter. Students who withdraw after a period of four weeks has elapsed from the scheduled registration date will be entitled to no refund of any part of the fees paid for that quarter.

Students who formally withdraw from the Summer Session are entitled to refunds as follows:

Withdrawal on 1st, 2nd or 3rd day of first week .....	80% refund of fees paid
Withdrawal on 4th or 5th day of first week .....	60% refund of fees paid
Withdrawal on 1st, 2nd or 3rd day of second week .....	40% refund of fees paid
Withdrawal on 4th or 5th day of second week .....	20% refund of fees paid

*Fees and Charges are Subject to Change at the End of any Quarter*

Any student delinquent in the payment of any fee due the college will have grade reports and transcripts of records held up, and will not be allowed to re-register at the college for a new quarter until the delinquency has been removed.

Fees for each quarter are to be paid in full at the time of registration.

If a check is not paid on presentation to the bank on which it is drawn, the student's registration will be cancelled and the student may re-register only on payment of a \$5.00 service charge.

## Scholarships

A number of scholarships are available to Armstrong College. In general these are awarded on the basis of need and scholastic ability. Applications for scholarships are accepted between January 1st and May 15th for the following school year. Scholarships are awarded by means of interviews held during the month of June.

Application blanks and further information on scholarships may be obtained by contacting the Director of Student Aid. No applicant will be considered for scholarship aid who has not been accepted for admission to the college.

The following scholarships will be awarded for the 1964-65 school year:

Armstrong College Alumni Association — One scholarship for \$250.00.

Arthur Lucas Memorial Scholarships — Eight scholarships for \$100.00 each.

Alpha Tau Beta — One scholarship for \$125.00 is offered to a member of the sorority attending Armstrong College.

Edward McGuire Gordon Memorial Scholarship — One scholarship for \$200.00 to a male resident of Chatham County.

Harry G. Strachan, III Memorial Scholarship — One scholarship for \$200.00 is offered to a freshman student.

Junior Chamber of Commerce — Three scholarships for \$185.00 each.

Panhellenic Association of Savannah—One scholarship for \$100.00 to a female student.

Savannah Gas Company — Two scholarships for \$165.00 each to a day school student.

Georgia Consumer Finance Assn. — Five scholarships for \$100.00 each.

American Association of Railway Businesswomen — One scholarship for \$200.00 to a female student.

Rebel Chapter, American Businesswomen's Club — One scholarship for \$250.00 to a female student.

Delta Kappa Gamma — One scholarship for \$90.00 to a female student majoring in education.

Hunter Air Force Base Officers' Wives Club Scholarship — One scholarship for \$338.00 to a day school freshman student whose parent is on active duty with the Air Force and stationed at Hunter Air Force Base.

### Regents' Scholarships

Another source of scholarship aid for students who are residents of the State of Georgia is the Regents' Scholarship. These scholarships are awarded to superior students who are in need of financial assistance to attend college. To be eligible for a Regents' Scholarship a student must have average grades or predicted average grades that place him in the upper 25% of his class. Recipients of Regents' Scholarships are expected, upon completion of their program of study, to reside in the State of Georgia for a period of one year for each \$1,000.00 of scholarship aid received.

Further information on these scholarships and application forms may be obtained from the Director of Student Aid at the college.

The deadline for applying for the Regents' Scholarships is May 1st.

### Other Sources of Financial Aid to Armstrong College

Solomon's Lodge No. 1, F. & A.M. Scholarships — Two scholarships for \$240.00 each to be awarded to a graduate of a tax-supported high school. Apply to: Committee on Scholarship Awards, Solomon's Lodge No. 1, F. & A.M., P.O. Box 1711, Savannah, Ga.

Savannah Chapter, National Secretaries Assn. -- One scholarship covering tuition, fees and expenses, for a female student majoring in secretarial science. Apply to: High School Counselor or typing teacher.

William F. Cooper Educational Fund — Provides scholarships to female students in all fields except Law, Theology, and Medicine (Nursing and Medical Technology are acceptable). Apply to: Trust Department, Savannah Bank & Trust Co., between April 1st and May 31st.

State Teachers' Scholarships — Provides scholarship funds for students who will enter the field of teaching in the State of Georgia. Apply to: Georgia State Teachers' Scholarship Program, State Department of Education, Room, 247, State Office Building, Atlanta 3, Georgia.

Ty Cobb Educational Foundation Scholarships—Provides scholarship aid for residents of the State of Georgia who have completed their freshman year in college. Apply to: Ty Cobb Educational Foundation Scholarships, Room 454, 244 Washington Street, S.W., Atlanta 3, Ga.

Pickett & Hatcher Educational Fund — Provides *loans* at reasonable interest rates to students in need of such aid to attend college. Apply to: Pickett & Hatcher Educational Fund, P.O. Box 1238, Columbus, Ga.

Savannah Pharmaceutical Association Scholarship — One scholarship for \$200.00 for a freshman student majoring in pre-pharmacy to attend Armstrong College (or the University of Georgia). Apply to: Mr. Donald Overstreet, Chairman, Scholarship Committee, Savannah Pharmaceutical Association, c/o DeRenne Pharmacy, 17 East DeRenne Avenue, Savannah.

Chatham Artillery Scholarships — A number of scholarships for \$250.00 each to members of the Chatham Artillery attending college full-time. Apply to the Chatham Artillery.

State Department of Vocational Rehabilitation — Students who have had a physical or emotional handicap, and have been treated successfully, and are considered acceptable for vocational rehabilitation, may receive financial assistance to attend college through the State Department of Vocational Rehabilitation. Apply to: 35 Abercorn Street, Savannah.

## Student Assistants

Some financial aid is available to a limited number of students through the Student Assistant program. A number of part-time jobs are offered to students in the various departments of the college. Interested students should contact the Dean of Students prior to the beginning of each quarter.

Student Personnel Services serves as a clearing house for part time job opportunities in the community.

# REGULATIONS

## Faculty Advisers

The Academic Dean's Office assigns a faculty adviser to every student enrolled in day or evening classes. Before registering for classes each quarter a student must consult his adviser and receive his written approval for the courses in which the student plans to enroll.

## Pre-Registration and Pre-Advisement

At announced times during each quarter a student may pre-register or be pre-advised for his courses for the following quarter. The dates for the pre-registration and pre-advisement period are given in the calendar of this *Bulletin*. Instructions will be published quarterly.

## Advanced Placement

Armstrong College gives advanced placement, or in some cases college credit, for college level high school courses, on the basis of the high school teacher's recommendation, the student's grade on the Advanced Placement Examination, and approval by the department chairman of Armstrong College.

## Placement Tests

To help a student select a definite objective early in his college program, the Armstrong staff administers to each entering freshman a series of interest and achievement tests. Achievement tests in English and mathematics are administered prior to admission. Placement in English and mathematics courses is determined on the basis of the student's high school record and the scores on these tests. Interest tests are administered during Freshman Week. On the basis of these objective measurements, the student's previous record, and his interest, the student with the aid of his adviser decides on a program of study which will enable him to accomplish his purpose.

## Placement in "English 100"

On the basis of entrance test scores and high school record, certain students will be required to take "English 100" in their first quarter. This course must be completed with a grade of at least "C" before these students may register for any other English course. "English 100" may be repeated once, but only in the following quarter.



## Physical Education Program

All day students who are carrying as many as 10 quarter hours and (or) are candidates for diplomas or certificates are required to attain credit for six physical education courses, one each quarter. A student graduating in less than six quarters may reduce the physical education requirements accordingly. Regular courses should be taken in proper sequence and two required courses should not be scheduled in any one quarter.

Students planning a one-year program may choose any three of the required physical education courses.

A student who has served a minimum of three months in the military services shall be exempt from Physical Education 111. A student who has served a minimum of six months in the military services shall be exempt from Physical Education 111 and 112. Proof of service time shall be presented to the Physical Education Department.

In order for a day student to be excused from any one physical education course, he must have his or her doctor sign a special form. A student who does not plan to graduate from Armstrong College will be allowed to register for any quarter without physical education providing he or she signs the form provided by the Physical Education Department. No student may register without a required physical education course except with written permission from the Physical Education Department.

The physical education department requires all students to make up all excused absences. Any unexcused absence from class will result in a lower final grade.

Physical education is not required of students in the evening program.

## Course Load

The unit of work for a regular student is 16-17 quarter hours per quarter. A schedule of sixteen quarter hours presupposes that the average student will devote approximately forty-eight hours per week to his college classes and to his preparation therefor.

Except in engineering, permission to enroll for more than 17 quarter hours will be granted only to students who have a "B" average for the preceding quarter. The quarter just prior to graduation, a student may take an extra course which is necessary to meet requirements for graduation. No student will be allowed to register for more than 21 hours in any one quarter.

No student who is employed full-time will be allowed to take more than 11 quarter hours of work in the fall, winter or spring quarter unless he has better than a "B" average in the last quarter for which grades are available. No student may enroll for more than ten

quarter hours of credit in the Summer Session. This regulation does not apply to transient students who are regularly enrolled in another institution.

### **Auditing**

A student wishing to "audit" a course without receiving credit must obtain the written permission of the instructor before he registers for the course. (Policy for some courses forbids "auditing") An "auditor" cannot change to regular credit status after the first week of class. A student who registers for a course as an "auditor" receives no credit, "N. C.", on his transcript.

### **Admission to Class**

A student will be admitted to class when the instructor is furnished an official class card indicating that the student has completed his registration and paid his fees in the Business Office.

### **Conduct**

Compliance with the regulations of the faculty and the Regents of University System of Georgia is assumed. Gambling, hazing, and the use on the campus of intoxicating beverages are prohibited.

### **Attendance**

At Armstrong a student's responsibility towards a course includes all that transpires in class sessions as well as the subject matter of the course. Any absence whatsoever from class work entails a loss to the student.

An absence may be excused by the instructor if the student is absent

- (1) on official college business,
- (2) due to illness (with a doctor's certification),
- (3) because of death in the immediate family,
- (4) in observing religious holidays.

In unusual instances an instructor may excuse an absence for other serious reasons.

A student who has been absent from class for such a valid reason should present a written statement to his instructor.

Excuses must be submitted within seven days from the date the student returns to school; otherwise the absence will not be excused.

Any student who has unexcused absences equal in number to the times the class meets in one week, and has one additional absence, will be dropped from class. The instructor will notify the Registrar's Office when a student should be dropped. The Registrar's Office will notify the student. A student who is dropped within three weeks after the beginning of the quarter will automatically receive a grade of W. A student who is dropped after the third week of the quarter will receive either a W or a W/F depending upon his status at the time he withdraws or is dropped from class.

A student will be penalized for unexcused absences from the first day the class meets (even though registration is not yet completed), unless one of the four valid excuses applies.

Any student whose absences *for any cause* exceed one third of the number of times the class meets in the quarter will be dropped from the class. The student will be given W or W/F depending upon his academic status at the time he is dropped.

### Withdrawals

A formal withdrawal, presented to the Registrar in writing, is a pre-requisite for honorable dismissal from, or re-entrance into this institution. Any student planning to withdraw should immediately make such an intention known to the Registrar in writing. This notice is required to receive any authorized refunds.

A student should formally withdraw from any class by securing the signature of the instructor and his faculty adviser. This written approval should be filed in the Registrar's office. A student who withdraws within three weeks after the beginning of the quarter will automatically receive a grade of W. A student who withdraws after the 3rd week of the quarter will receive a W or W/F depending upon his status at the time the student withdraws or is dropped from class.

### Reports and Grades

It is felt by the faculty that students in college should be held accountable for their scholarship. Accordingly, report cards, warnings of deficient scholarship and all such notices are not sent to parents or guardians by the Registrar except on request. Instead the students themselves receive these reports and are expected to contact their advisers whenever their work is unsatisfactory. Report cards are issued at the end of each quarter. Reports of failing grades are issued in the middle of each quarter. Each student has access to an adviser; in addition, the Registrar and all instructors are available to help any student seeking assistance.

Reports are based on the following system of grading:

Numerical Span	Honor Points	
A+	95 - 100	4.5
A	90 - 94	4
B+	85 - 89	3.5
B	80 - 84	3
C+	75 - 79	2.5
C	70 - 74	2
D+	65 - 69	1.5
D	60 - 64	1
F	Below 60	0
E	Incomplete	
W	Withdrawn with no grade	
WF	Withdrawn failing	
NC	No credit	

A student who receives an "E" (incomplete grade) should consult his instructor at once and arrange to complete the requirements of the course. An "E" grade which has not been removed by the middle of the succeeding quarter automatically becomes an "F".

## Honors

*Dean's List:* Students enrolled for at least ten hours of course work who earn an honor point average of 3.0 or above will be placed on the Dean's List which is published quarterly.

*Permanent Dean's List:* At the completion of forty-five hours of course work, students with an honor point average of at least 3.0 will be placed on the Permanent Dean's List which is published yearly in June. Sophomores completing forty-five hours (to make a total of ninety) and earning an honor point average of 3.0 will be placed on the Permanent Dean's List.

Students eligible under the above categories and earning an honor point average of 3.96 or above will be placed on the Permanent Dean's List and designated *With Distinction*.

## Honors at Graduation

*Summa Cum Laude:* Students who are graduating with an honor point average of 3.96 or above will be designated as graduating *summa cum laude*.

*Cum Laude:* Those students graduating with an honor point average of from 3.0 to 3.96 will be graduated *cum laude*.

*Valedictorian:* The valedictorian will be selected by the graduating class from the five students with the highest academic average in the work completed up to the quarter just prior to graduation.

## Academic Probation and Dismissal

A student failing to maintain the following grade point averages on all work attempted at Armstrong College will be placed on academic probation for two quarters.

Quarter Hours	Grade Point Average
45	1.6
90	1.8
135	1.9
180	2.0

Academic probation requires that a student maintain a grade point average of at least 2.0 for each of two successive quarters. Failure to meet the requirements of such probation will result in the dismissal of the student for two quarters.

A full-time student (one who enrolls for 12 or more quarter hours) who fails to pass at least one course other than physical education in any quarter will be dismissed from the college for two quarters. A part-time student (one who enrolls for less than 12 quarter hours) who fails to pass at least one course other than physical education in two successive quarters will be dismissed from the college for two quarters. A grade of "E" (incomplete) will be considered an "F" until it is removed.

A student re-entering the college after academic dismissal will be placed on academic probation for two successive quarters.

The Summer Session will be considered a normal quarter for the above regulations.

A student dismissed for academic reasons may appeal his dismissal to the Committee on Academic Standing. Such appeals must be made in writing to the Committee (addressed to the Secretary), should state the nature of all extenuating circumstances relating to his academic deficiency, and must be received by the Committee by the time of its announced meeting.

A third dismissal for failure to meet the academic standards of the college shall in all cases be final.

## Requirements for Graduation

The requirements for graduation from Armstrong College of Savannah are listed below:

1. The student will complete a program of study listed elsewhere in the catalog under "Programs of Study" with a grade point average of 2.0 on work taken at Armstrong. Any exceptions to a program may be referred by a student's adviser to the Academic Dean.
2. The final 45 quarter hours of the work required for graduation shall be completed at Armstrong College of Savannah.
3. By state law one of the requirements for a diploma or certificate from schools supported by the State of Georgia is a demonstration of proficiency in United States history and government and in Georgia history and government. A student at Armstrong may demonstrate such proficiency by passing
  - 1) History 100,
  - or 2) Political Science 113 and History 226,

- or 3) A two hour examination in United States and Georgia history and government.
4. When exceptions to prerequisites for courses are made, permission may be granted only by the head of the department concerned. A recommendation regarding any request for exception to prerequisites for courses must be made to the department head by the course instructor. This need not be binding upon the department head.

Candidates for graduation will make application in the Registrar's Office one quarter prior to the expected date of graduation.

### **Recommendations**

The recommendations issued by the college are based on the grades the student earns and his student records.

The files of the Registrar's office which include all permanent records are consulted regularly by representatives of the Federal Bureau of Investigation, the Civil Service, the local Credit Bureau and other agencies having access to confidential records. A good college record is of vital importance to a student.

## PROGRAMS OF STUDY

The Degree of Associate in Arts will be conferred upon students completing all requirements of a two year program before September, 1966.

Beginning in June, 1968, the Degrees of Bachelor of Arts, Bachelor of Science, and Bachelor of Business Administration will be conferred upon students completing all requirements for those degrees.

Before registration every student must plan a program of study with a faculty adviser appointed by the Academic Dean. Even if a student knows what courses are required in his program, he must have on record in the office of his adviser a copy of his program. Before a student may change his planned program he must consult his adviser.

If a student plans to transfer to another college before graduation, he should acquire the catalog of that college in order to determine what courses must be completed at Armstrong to meet the degree requirements of the college to which he may transfer.

A student planning to receive the Associate in Arts degree in 1965 or 1966 is responsible for securing approval for his program from his adviser and the Registrar two quarters prior to the expected date of graduation.

Courses numbered 100 to 199 are generally planned for the freshman level; courses numbered 200 to 299 are generally planned for the sophomore level.

The following courses are required in all programs leading to the degree of Associate in Arts:

English 101, 102; 201, 202 (in certain terminal programs English 228 may be substituted for English 102, 201, or 202);

History 114, 115;

Natural sciences (ten quarter hours from biology, chemistry, physics, and physical science);

Physical Education 111, 112, 113, and any three courses numbered in the 200's. (For exceptions to requirements for physical education, see Regulations, p. 35.)

Knowledge of United States history and government and of Georgia history and government must be demonstrated in order to receive a degree or certificate. (Consult Requirements for Graduation on page 37.)

### Four Year Programs Leading to the Bachelor's Degree

For the Bachelor of Arts, the Bachelor of Science or the Bachelor of Business Administration degree, a minimum of 185 quarter hours, exclusive of physical education, will be required for graduation.

*Bachelor of Arts Degree: Total Requirements*

For graduation with the degree of Bachelor of Arts, the minimum requirements in the various fields of study will be:

I. <i>Humanities</i>	
A. English Composition .....	10
B. Literature of the Western World .....	20
C. Foreign Language .....	10-20
D. Fine Arts .....	5
	45-55
II. <i>Social Studies</i>	
A. History of Civilization .....	10
History of the United States .....	10
B. Political Science: American Government .....	5
C. Three courses from at least two of the following fields:	
Anthropology	
Economics	
Philosophy	
Political Science	
Psychology	
Sociology .....	15
	40
III. <i>Natural Sciences</i>	
A. Mathematics (algebra) .....	5
Logic or Mathematics .....	5
B. Laboratory Science .....	10
	20
IV. Major Field .....	30-40
V. Closely related fields (300 and 400 courses) .....	25-35
VI. Electives .....	10-30
VII. Physical Education .....	6

*Bachelor of Science Degree: Total Requirements*

For graduation with the degree of Bachelor of Science, the minimum requirements in the various fields of study will be:

I. <i>Humanities</i>	
A. English Composition .....	10
B. Literature of the Western World .....	10
C. Foreign Language .....	10-15
	30-35
II. <i>Social Science</i>	
A. History of Civilization .....	10
History of the United States .....	5
B. Political Science: American Government .....	5
C. Two courses from two of the following fields:	
Anthropology	
Economics	
Philosophy	
Psychology	
Sociology .....	10
	30



III. <i>Natural Sciences</i>	
A. Mathematics (algebra and trigonometry).....	10
B. Laboratory Science .....	20
	30
IV. Major .....	30-40
V. Closely related fields .....	25-35
VI. Electives .....	5-20
VII. Physical Education .....	6

*Bachelor of Business Administration Degree: Total Requirements*

For graduation with the degree of Bachelor of Business Administration the minimum requirements in the various fields of study will be:

I. <i>Humanities</i>	
A. English Composition .....	10
B. Literature of the Western World.....	10
	20
II. <i>Social Sciences</i>	
A. History of Civilization .....	10
History of the United States.....	5
B. Political Science: American Government .....	5
	20
III. <i>Natural Sciences</i>	
A. Mathematics (algebra) .....	5
Logic or Finite Mathematics.....	5
B. Laboratory Science .....	10
	20
Electives from the Humanities, the Social Sciences, or Natural Sciences .....	15
IV. Freshman and Sophomore Business Administration requirements:	
Business Correspondence .....	5
Principles of Accounting.....	10
Principles of Management.....	5
Principles of Economics .....	10
Economic History of the United States.....	5
	35
V. Junior core requirements:	
Business Law .....	5
Corporation Finance .....	5
Marketing .....	5
Statistics .....	5
Money and Banking .....	5
Government and Business .....	5
Labor Economics .....	5
	35

VI. Major Concentration .....	30
1. <i>Accounting</i>	
Intermediate Accounting	
Cost Accounting	
Tax Accounting	
Auditing	
Accounting Systems	
Business Law	
2. <i>Business Education</i>	
3. <i>Economics</i>	
Intermediate Economic Theory	
Advanced Economic Theory	
Investments	
Business Cycles	
Comparative Economic Systems	
Monetary Theory	
International Trade	
Contemporary Economic Problems	
VII. Free Electives .....	10
	<hr/>
	185

## SENIOR COLLEGE PREPARATORY PROGRAMS

### Business Administration (1)

#### First Year

English 101, 102 .....	10
History 114, 115 .....	10
Physical Education 111, 112, 113..	3
Laboratory Science .....	10
Mathematics 101 .....	5
Mathematics 103 .....	5
Business Administration 115 .....	5
TOTAL .....	48

#### Second Year

English 201, 202 .....	10
Physical Education .....	3
Business Administration 101, 102..	10
Economics 101, 102 .....	10
Political Science 113 .....	5
Business Administration 260 .....	5
Elective .....	5
TOTAL .....	48

### Chemistry (30)

#### First Year

Chemistry 101, 102 .....	10
Chemistry 104 .....	5
Mathematics 101, 102 .....	10
Mathematics 104 .....	5
English 101, 102 .....	10
Political Science 113 .....	5
Physical Education 111, 112, 113..	3
TOTAL .....	48

#### Second Year

Chemistry 280a, 280b .....	7
Mathematics 201, 202 .....	10
History 114, 115 .....	10
English 201, 202 .....	10
Physics 204, 205, 206 .....	15
(or 207, 208, 209 .....	18)
Physical Education .....	3
TOTAL .....	55

### Engineering (2)

This program will satisfy degree requirements for most types of engineering. The courses required for the freshman year have been planned in consultation with the Georgia Institute of Technology.

#### First Year

English 101, 102 .....	10
Physical Education 111, 112, 113..	3
Chemistry 101, 102 .....	10
Mathematics 101, 102, 104 .....	15
Chemistry 104 .....	5
Engineering 113, 114, 115 .....	6
TOTAL .....	49

#### Second Year

English 201, 202 .....	10
Physical Education .....	3
Mathematics 201, 202, 203 .....	15
Physics 207, 208, 209 .....	18
History 114, 115 .....	10
Political Science 113 .....	5
TOTAL .....	61

### Forestry (3)

A one-year program for students in Forestry.

English 101, 102 .....	10
Physical Education 111, 112, 113 .....	3
Botany 121, 122 .....	10
Economics 101 .....	5
Engineering 101 .....	2
Mathematics 101, 102 .....	10
Physics 204 or Physical Science 101 .....	5
Political Science 113 .....	5
<b>TOTAL</b> .....	<b>50</b>

### Industrial Management (5)

This program will satisfy degree requirements for the first two years of this field of engineering.

First Year		Second Year	
English 101, 102 .....	10	English 201, 202 .....	10
History 114 .....	5	Physical Education .....	3
Physical Education 111, 112, 113 .....	3	History 115 .....	5
Chemistry 101, 102 .....	10	Business Administration 101, 102 .....	10
Chemistry 104 .....	5	Economics 101, 102 .....	10
Engineering 113, 114, 115 .....	6	Mathematics 103 .....	5
Mathematics 101, 102, 104 .....	15	Physics 204, 205, 206 .....	15
<b>TOTAL</b> .....	<b>54</b>	<b>TOTAL</b> .....	<b>58</b>

### Liberal Arts (6)

This program is recommended for candidates for the A.B. degree, pre-education, pre-law, pre-ministerial, journalism, social work, and other pre-professional concentrations.

First Year		Second Year	
English 101, 102 .....	10	English 201, 202 .....	10
History 114, 115 .....	10	Physical Education .....	3
Physical Education 111, 112, 113 .....	3	Science with laboratory .....	10
*Science .....	10	Two of the following courses—	
Mathematics 101 .....	5	History 225 .....	
Mathematics 102 .....	5	Political Science 113 .....	
*Foreign Language .....	10	Psychology 201 .....	
<b>TOTAL</b> .....	<b>53</b>	Sociology 201 .....	
		Economics 101 .....	
		Philosophy 110 .....	10
		Electives .....	10
		<b>TOTAL</b> .....	<b>43</b>

\*A student applying for admission to a senior college which does not require the amount indicated of this subject may, with the approval of his adviser, substitute other courses required by the senior institution during the first two years.

### Mathematics (7)

A program designed for those students who wish to major in mathematics.

#### First Year

English 101, 102	10
History 114, 115	10
Physical Education 111, 112, 113	3
Chemistry or Biology	10
Mathematics 101	5
Mathematics 102	5
Mathematics 104	5
<b>TOTAL</b>	<b>48</b>

#### Second Year

English 201, 202	10
Mathematics 201, 202, 203	15
Mathematics 235	5
Physical Education	3
Physics 207, 208, 209	10
Electives	5
<b>TOTAL</b>	<b>48</b>

### Medical Technology (8)

This program is designed for those students who desire a Bachelor of Science degree in Medical Technology.

#### First Year

English 101, 102	10
Zoology 124, 226	10
Mathematics 101, 102	10
Chemistry 101, 102, 104	15
Physical Education 111, 112, 113	3
<b>TOTAL</b>	<b>48</b>

#### Second Year

English 201, 202	10
Zoology 230	6
History 114, 115	10
French or German 101-102	10
*Electives	10
Physical Education	3
<b>TOTAL</b>	<b>49</b>

### Music (38)

English 101, 102	10
History 114, 115	10
Physical Education	3
Applied Music	6
Music Theory 110, 111, 112	9
Electives	10
<b>TOTAL</b>	<b>48</b>

\*It is recommended that Zoology 225 be taken as an elective course.

## Physical Education (9)

First Year		Second Year	
English 101, 102 .....	10	English 201, 202 .....	10
History 114, 115 .....	10	Physical Education .....	3
Physical Education 111, 112, 113..	3	Zoology 108, 109 .....	10
Zoology 124, 225 .....	10	**Physical Education 203 .....	2
Home Economics 232—Nutrition ..	5	Physical Education 114 .....	2
Mathematics 9 or 101 .....	5	Psychology 201 .....	5
*Electives .....	5	Psychology 202 .....	5
		Sociology 202 .....	5
		Electives .....	6
TOTAL .....	48	TOTAL .....	48

## Physics (10)

A program designed for those students who wish to major in Physics.

First Year		Second Year	
English 101, 102 .....	10	English 201, 202 .....	10
Physical Education 111, 112, 113..	3	Physical Education .....	3
Chemistry 101, 102, 104 .....	15	Mathematics 201, 202, 203 .....	15
Mathematics 101 .....	5	Physics 207, 208, 209 .....	18
Mathematics 102 .....	5	History 114, 115 .....	10
Mathematics 104 .....	5	Political Science 113 .....	5
Engineering 113, 114, 115 .....	6		
TOTAL .....	49	TOTAL .....	61

## Pre-professional: Dentistry (11)

This program is designed for those students who wish to prepare themselves for the study of Dentistry after completing three or more years of academic studies.

First Year		Second Year	
English 101, 102 .....	10	English 201, 202 .....	10
Zoology 124, 226 .....	10	History 114, 115 .....	10
Mathematics 101, 102 .....	10	Zoology 230 .....	6
Chemistry 101, 102, 104 .....	15	French or German 101, 102 .....	10
Physical Education 111, 112, 113 ..	3	***Electives .....	10
		Physical Education .....	3
TOTAL .....	48	TOTAL .....	49

\*It is recommended that English 228 be taken as an elective course.

\*\*The student is exempt from this course if he has a Red Cross "Senior Life Saving Certificate."

\*\*\*It is recommended that Zoology 225 be taken as an elective course.

**Pre-professional: Medicine (12)**

This program is designed for those students who wish to prepare themselves for the study of medicine after completing three or more years of academic studies.

<b>First Year</b>		<b>Second Year</b>	
English 101, 102	10	English 201, 202	10
Zoology 124, 226	10	Zoology 230	6
Chemistry 101, 102, 104	15	French or German 101, 102	10
Mathematics 101, 102	10	History 114, 115	10
Physical Education 111, 112, 113	3	*Electives	10
	-----	Physical Education	3
<b>TOTAL</b>	<b>48</b>	<b>TOTAL</b>	<b>49</b>

**Pre-professional: Nursing (13)**

This is a one year program for those students who wish to obtain their freshman requirements to be transferred to a school of nursing offering the B.S. degree. The program as outlined is intended to satisfy the requirements of the Medical College of Georgia School of Nursing. Students planning to transfer credits are urged to consult the pre-nursing advisor in order to be sure that they are taking the proper courses.

English 101, 102	10
History 114, 115	10
Zoology 108, 109	10
Chemistry 101	5
Sociology 201	5
Psychology 201	5
Physical Education 111, 112, 113	3
	-----
<b>TOTAL</b>	<b>48</b>

**Pre-professional: Optometry (14)**

The requirements for admission to the schools and colleges of optometry in the United States are relatively uniform but are not identical. The practice of optometry in all states is regulated by Boards of Examiners in Optometry. The following concentration will prepare a student for transfer to any school or college of optometry in the United States and Canada.

<b>First Year</b>		<b>Second Year</b>	
English 101, 102	10	English 201, 202	10
History 114, 115	10	Zoology 230	6
Zoology 124, 226	10	Mathematics 102, 104	10
Chemistry 101, 102	10	Sociology 201	5
Mathematics 101	5	Psychology 201	5
Physical Education 111, 112, 113	3	Electives	10
	-----	Physical Education	3
<b>TOTAL</b>	<b>48</b>	<b>TOTAL</b>	<b>49</b>

\*It is recommended that Zoology 225 be taken as an elective course.

## Pre-professional: Pharmacy (15)

This is a two-year concentration for those students who wish to obtain their freshman requirements for entrance to a school of pharmacy. The regional schools of pharmacy require three years minimum in residence at the School of Pharmacy.

This program is designed for those students who wish to prepare themselves for the study of Pharmacy after completing two years of academic studies. All students of Pharmacy are required to complete a five-year program, two of which are in Pre-Pharmacy and three in an accredited School of Pharmacy.

First Year	Second Year
English 101, 102 ..... 10	English 201, 202 ..... 10
History 114, 115 ..... 10	Economics 101 ..... 5
Mathematics 101, 102 ..... 10	Political Science 113 ..... 5
Chemistry 101, 102, 104 ..... 15	Physics 204 ..... 5
Physical Education 111, 112, 113.. 3	Zoology 124, 225, 226 ..... 15
	Electives ..... 5
TOTAL ..... 48	Physical Education ..... 3
	TOTAL ..... 48

## Pre-veterinary Medicine (16)

This is a four quarter program designed for those students who wish to transfer their credits to the University of Georgia School of Veterinary Medicine, which is the regional school. A student planning to spend four quarters at Armstrong should consult Veterinary School officials about his program.

English 101, 102, 201 ..... 15
Botany 121, 122 ..... 10
Zoology 225, 226 ..... 10
Chemistry 101, 102 ..... 10
Mathematics 101, 102 ..... 10
Physical Education 111, 112, 113 ..... 3
TOTAL ..... 58

## Teaching (17)

The subjects required in the freshman and sophomore years by colleges preparing teachers are: English, history, mathematics, sciences, social studies and physical education.



**First Year**

English 101, 102 .....	10
History 114, 115 .....	10
Biological or Physical Science .....	10
Physical Education 111, 112, 113..	3
Political Science 113 .....	5
Art 101 or Music 200 .....	5
*Electives .....	5
<b>TOTAL</b> .....	<b>48</b>

**Second Year**

Education 201 .....	5
English 201, 202 .....	10
Mathematics 9 or 101 .....	5
Physical Education .....	3
Psychology 201 .....	5
*Electives .....	20
<b>TOTAL</b> .....	<b>48</b>

**TERMINAL PROGRAMS**

**Business Administration: Accounting (18)**

**First Year**

Business Administration 101, 102..	10
English 101, 102 .....	10
History 114, 115 .....	10
Natural Science .....	10
Physical Education 111, 112, 113..	3
Elective .....	5
<b>TOTAL</b> .....	<b>48</b>

**Second Year**

Business Administration 201T,	
202T .....	10
English 201, 202,	
228 (any two) .....	10
Economics 101, 102 .....	10
Business Administration 260 .....	5
Business Administration 115 .....	5
Physical Education .....	3
Electives .....	5
<b>TOTAL</b> .....	<b>48</b>

A student who desires further training in this field may enroll for additional courses chosen from the following list. A certificate will be awarded upon satisfactory completion of 45 hours of work.

Business Administration 236T, 237T—Income Tax Accounting .....	10
Business Administration 229T—Cost Accounting .....	5
Business Administration 207T, 208T .....	10
Electives chosen from Business Administration, Economics or Industrial Technology courses .....	20
<b>TOTAL</b> .....	<b>45</b>

**Business Administration: General (20)**

**First Year**

English 101, 102 .....	10
History 114, 115 .....	10
Business Administration 101, 102..	10
Natural Science .....	10
Business Administration 260 .....	5
Physical Education 111, 112, 113..	3
<b>TOTAL</b> .....	<b>48</b>

**Second Year**

Economics 101, 102 .....	10
English 201, 202 or English 201, 228 .....	10
Business Administration 115 .....	5
Electives .....	20
Physical Education .....	3
<b>TOTAL</b> .....	<b>48</b>

\*Recommended electives for elementary teachers include health, geography, economics, Georgia problems (Social Science 104), English 228 and additional science courses.

A student who desires further training in this field may enroll for additional courses chosen from the following list. A certificate will be awarded upon satisfactory completion of 45 hours of work.

Business Administration 207T, 208T .....	10
Business Administration 151T .....	5
Business Administration 161T .....	5
Business Administration 162T .....	5
Business Administration 231T .....	5
Economics 125T .....	5
Economics 126 .....	5
Economics 127T .....	5
Economics 128T .....	5
Economics 129T .....	5
Economics 130T .....	5
Economics 133 .....	5
Economics 132T .....	5

Students interested in the field of Industrial Management may substitute 15 hours in the Industrial Technology Curriculum from the following courses:

IT 120 .....	3
IT 121 .....	3
IT 122 .....	3
IT 123 .....	3
IT 124 .....	3
IT 127 .....	3
IT 128 .....	3

## Business Administration: Transportation (21)

### First Year

English 101, 102 .....	10
History 114, 115 .....	10
Business Administration 151T .....	5
Business Administration 152T .....	5
Business Administration 153T .....	5
Economics 101, 102 .....	10

TOTAL .....

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45

### Second Year

English 201, 202 or English 228 and Business Administration 115 .....	10
Natural Science .....	10
Business Administration 155T .....	5
Business Administration 101, 102.. ..	10
Any two of the following courses—	
Bus. Adm. 207T .....	
Econs. 125T .....	
Econs. 126 .....	
Econs. 128T .....	
Econs. 129T .....	
Econs. 130T .....	
Bus. Admin. 260 .....	
.....	10

TOTAL .....

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45

Students desiring further training in this general field may select five other subjects listed under the Business Administration: General (20). A certificate will be awarded upon completion of 45 hours additional work.

### Transportation (22)

Students may receive a certificate upon request to the Registrar after satisfactory completion of the following program:

B.A. 151T .....	5
B.A. 152T .....	5
B.A. 153T .....	5
B.A. 155T .....	5
Economics 101, 102 .....	10
English 101, 102 or English 228 and B.A. 115 .....	10
Any two of the following courses: .....	10
Business Administration 207T	
Economics 125T	
Economics 126	
Economics 128T	
Economics 129T	
Economics 130T	
Business Administration 260	
 TOTAL.....	 50

### Business Administration: One-Year Program (23)

A one year program in Business Administration (with emphasis on business courses) for those persons who may not wish to complete the two-year concentration. A certificate will be awarded upon request to the Registrar to those who successfully complete the program.

Business Administration 101, 102 .....	10
Business Administration 115 .....	5
Business Administration 260 .....	5
Economics 101, 102 .....	10
English .....	5
Mathematics .....	5
Physical Education .....	3
Elective .....	5
 TOTAL.....	 48

### Commerce: Secretarial (24)

This program is designed to meet the needs of those students who wish to qualify for secretarial positions in business. If, because of prior training, a student is permitted by the instructor to omit the beginning

theory courses in shorthand or typing, the student must choose elective subjects to supplement the total college hours required.

<b>First Year</b>	<b>Second Year</b>
English 101, 102 .....	Business Administration 101 .....
History 114, 115 .....	Business Administration 115 .....
Physical Education 111, 112, 113..	English 201, 202, or English
Natural Science .....	201, 228 .....
Commerce 101, 102, 103 .....	Commerce 213 .....
Commerce 111, 112, 113 .....	Commerce 201, 202, 203 .....
	Commerce 211, 212 .....
	Physical Education .....
	Electives .....
<b>TOTAL</b> .....	<b>TOTAL</b> .....
48	48

### Commerce: Stenographic (25)

A student who has only one year to spend in college may acquire some of the clerical skills which will enable her to secure employment as a stenographer or clerk. Whether a student will be placed in beginning theory classes of shorthand or typing will depend upon how much previous training she has had in those subjects; a more advanced standing must be approved by the instructor. A certificate is awarded upon completion of the following program.

Commerce 101, 102, 103 .....	6
Commerce 111, 112, 113 .....	9
Commerce 213 .....	5
Business Administration 101 .....	5
English 101, 102 .....	10
Physical Education 111, 112, 113 .....	3
Business Administration 115 .....	5
Elective .....	5
<b>TOTAL</b> .....	<b>48</b>

### Human Relations\* (27)

The Terminal sequence in Human Relations is designed to start with the student's immediate interests in learning, methods of study and aptitude measurement. The next course, on principles and facts about the individual's growth, needs, feelings and learning about the world around him is followed by a practical application through experiments or projects using the objective methods of psychology. This leads to a study of a person's relationship to his social groups, a study of marriage and family adjustments, principles and facts about the way that our society is organized and finally to a practical study of needs

\*Students in other concentrations may elect any Psychology or Sociology course in this program without adhering to the above sequence. Prerequisites are necessary in Psychology 202, Psychology 203, and Psychology 205.

and resources for human adjustment in our community. A student who completes this sequence should have a basic understanding of himself and others that will improve his effectiveness in his family, his work (whether in the home or employed elsewhere), his social relationships and his responsible participation in community living.

**First Year**

English 101, 102 .....	10
History 114, 115 .....	10
Physical Education 111, 112, 113..	3
Mathematics 9 or 101 .....	5
Political Science 113 .....	5
Psychology 100 .....	5
*Psychology 201 .....	5
Psychology 202 .....	5
<b>TOTAL</b> .....	<b>48</b>

**Second Year**

English 201, 202 .....	10
Biology 124, 225 or Biology	
101, 102 .....	10
Physical Education .....	3
Sociology 202 .....	5
Psychology 203 .....	5
Sociology 201 .....	5
Sociology 203T .....	5
Elective .....	5
<b>TOTAL</b> .....	<b>48</b>

**Liberal Arts (28)**

A student in the Terminal Liberal Arts program may select the remainder of his electives from any courses offered by the college in order to prepare for a vocation or to pursue a special interest.

**First Year**

English 101, 102 .....	10
History 114, 115 .....	10
Physical Education 111, 112, 113..	3
Natural Science .....	10
Mathematics 9 or 101 .....	5
**Electives .....	10
<b>TOTAL</b> .....	<b>48</b>

**Second Year**

English 201, 202 .....	10
Physical Education .....	3
**Electives .....	35
<b>TOTAL</b> .....	<b>48</b>

A student who desires further training in this field may enroll for additional courses chosen from the following list. A certificate will be awarded upon satisfactory completion of 45 hours of work.

History 225 .....	5
Philosophy 110 .....	5
Select 20 hours from the following .....	20
French, German, Spanish, or Russian	
Two additional laboratory (double) or mathematics courses	
Electives .....	15
<b>TOTAL</b> .....	<b>45</b>

\*The sequence of Psychology 201, 202 represents Introductory Psychology.

\*\*A student must elect 20 hours from at least three of the following subjects: Foreign Language, Political Science, Economics, Fine Arts, Philosophy, Psychology, Sociology, Mathematics (other than Mathematics 103).

## TECHNICAL INSTITUTE PROGRAMS

### LEADING TO THE DEGREE OF ASSOCIATE IN SCIENCE

Armstrong College offers two terminal two-year programs in technical fields: Chemical Technology and Industrial Technology. They are offered in cooperation with the Union Bag-Camp Paper Corporation; the basic courses are taught at Armstrong College by the regular faculty; the advanced technical courses are conducted at the plant of the Union Bag-Camp Paper Corporation by fully qualified company personnel. Excellent shop, laboratory and class-room facilities are available. These courses are fully accredited by Armstrong College and are not restricted to employees of the company.

Tuition for Technical Institute courses taught at Armstrong College is the same as for other evening program courses. Tuition for the courses conducted at the Union Bag-Camp Paper plant is \$1.00 per credit hour, payable to Armstrong College.

Classes are scheduled whenever possible with duplicate or extra sessions to accommodate shift workers with rotating work hours.

#### *Basic subjects required in all technical programs:*

English 100 or 101 (depending on placement test) .....	5
Math 101 .....	5
Math 102 .....	5
Physics, 204, 205, 206 .....	15
Engineering 113 .....	2
Psychology 204T .....	5
(or IT 128T .....	3)
GT 113 .....	3
GT 112 .....	3
(or English 228 .....	5)

### Chemical Technology (31)

The curriculum for Chemical Technology has been designed to meet the needs of the chemical, paper and other related heavy industries for competent and well-trained technicians. The program gives the student a working knowledge of the fundamental branches of formal chemistry and chemical engineering.

Industries are placing greater emphasis every year on instrumental methods of analysis which are far more rigid and precise than formal chemical methods. The student completing the curriculum in Chemical Technology will acquire training in the theory and use of these electronic, optical and thermal instruments.

Positions open to graduates are assistant to research personnel, control chemist, assistant to chemical engineers, analyst and pilot plant assistant, as well as many others.

Chemistry 101	General Inorganic	5
Chemistry 102	General Inorganic	5
Chemistry 104	Qualitative Inorganic Analysis	5
Engineering 114	Engineering Graphics	2
Chemistry 280a	Quantitative Inorganic Analysis	4
Chemistry 280b	Quantitative Inorganic Analysis	3
*GT 111	Industrial Safety	1½
*Civ. T. 120	Elementary Industrial Statistics	3
*CT 121	Experimental Design	3
*Civ. T. 160	Material Balances	3
*Civ. T. 161	Energy Balances	3
*CT 162	Elementary Chemical Processes	4
*CT 165	Industrial Chemistry	4
		45½

In addition, the student will select one of the two options listed below, either paper and pulp or chemical.

### Pulp & Paper Option

*CT 140—Basic Wood Technology, Pulping, Pulp Preparation, and Pulp Testing, Part I	4
*CT 141—Part II	4
*CT 142—Paper Making, Paper Converting, and Paper Testing, Part I	4
*CT 143—Part II	4
*CT 164—Wood Structure and Properties	4
20	

### Chemical Option

Engineering 115—Engineering Graphics	2
Mathematics 114—Slide Rule	2
*CT 150—Organic Chemistry	5
*CT 151—Industrial Chemical Analysis	3
17	

\*These courses will be taught in the plant of the Union Bag-Camp Paper Corporation.

## Civil Technology (34)

Civil Technology covers one of the broader fields in the Technical Institute Program. The civil technician is a surveyor, a construction man on buildings of all kinds, highways and railroads, hydroelectric projects, locks, dams, tunnel and similar projects. He is trained to handle work in any of these fields with a minimum of supervision.

BCT 142	Construction Materials and Estimates	5
Civ. T 121	Elementary Surveying	6
Civ. T 122	Route Surveying	5
Civ. T 131	Highway Construction	3
Civ. T 143	Mechanics of Materials	6
BCT 211	Wood and Steel Construction	5
BCT 212	Concrete Construction	5
Civ. T 212	Structural Drafting I	2
Civ. T 213	Structural Drafting II	2
Civ. T 223	Land Surveys	5
Civ. T 224	Topographic and Contour Surveying	4
Civ. T 232	Heavy Construction	4
Civ. T 241	Hydraulics	6

58

## Industrial Technology (32)

The curriculum in Industrial Technology is designed to enable the graduate to compete successfully for a variety of supervisory and management positions in manufacturing industries. These positions are in such categories as personnel work, quality control, methods and cost control, and the equipment, planning and production functions. The graduate will also be qualified for many staff positions with transportation, distributing and utility companies, and for the operation of private business.

Economics 101	Principles and Problems of Economics	5
Economics 102	Principles and Problems of Economics	5
Economics 128T	Principles of Marketing	5
Business Adm. 101	Principles of Accounting	5
Engineering 114	Engineering Graphics	2
Engineering 115	Engineering Graphics	2
Chemistry 101	General Inorganic	5
Chemistry 102	General Inorganic	5
*GT 111	Industrial Safety	1½
*IT 120	Manufacturing Processes	3
*IT 121	Production Organization	3
*IT 122	Economic Analysis	3
*IT 123	Production and Cost Control	3
*IT 124	Time and Motion Study	3
*IT 125	Mechanical Methods	2
*IT 126	Advanced Time and Motion Study	3
*IT 127	Data Presentation	3
*IT 128	Personnel Motivation	3

61½

\*These courses will be taught at the plant of the Union Bag-Camp Paper Corporation.



# Course Descriptions

Armstrong College reserves the right to (1) withdraw any course for which less than ten students register, (2) limit the enrollment in any course or class section, (3) fix the time of meeting of all classes and sections, and (4) offer such additional courses as demand and faculty warrant.

No credit will be given in beginning courses in languages where the same or similar courses have been presented for admission from high school.

Where two or more courses are listed under one description no credit for graduation will be given until the sequence is completed, for example: Zoology 101-102.

Economics and Business Administration courses marked with a T are terminal courses, and do not transfer to the University of Georgia. Technical Institute courses transfer only to another Technical Institute.

After each course name, there are three numbers in parentheses. The first number listed is the number of hours of lecture; the second, the number of hours of laboratory; and the third, the number of quarter hours of credit the course carries. For example: Botany 121—General Botany (3-4-5).

## Art

*Art 101—Creative Art (3-4-5). Spring.*

Drawing, painting and design principles, with some pertinent background history. Introductory practice in techniques, and application to every day life needs.

*Art 113—Ceramics (5-0-5).*

A beginner's course in the fundamentals of pottery and clay modeling. Various ways of forming clay, decorating, glazing and firing suitable subjects.

*Art 114—Ceramics (5-0-5).*

A continuation of the beginner's course with emphasis on design, using the potter's wheel and understanding the use of glazes. Work may be developed in pottery or clay sculpture.

*Art 290—Introduction to the History of Art (5-0-5).*

The formal characteristics of the painting, sculpture, architecture and some of the minor arts will be analyzed in their stylistic and symbolic developments which will be discussed in relation to the changing cultural backgrounds.

*Art 291—Introduction to the History of Modern Art (5-0-5).*

A survey of world art during the eighteenth, nineteenth, and twentieth centuries. The formal characteristics of the painting, sculpture, architecture and some of the minor arts will be analyzed in their stylistic and symbolic developments which will be discussed in relation to the changing cultural backgrounds.

## Biology

*Biology 210—Microbiology (3-4-5).* Spring. Prerequisites: ten hours of a biological science with laboratory and five hours of inorganic chemistry.

An introductory to the study of micro-organisms with primary emphasis on bacteria. The morphology, life history, and public health importance of representative bacteria, molds, viruses, protozoa, and helminths are considered.

*Botany 121—General Botany (3-4-5).* Fall.

A study of the structure of the roots, stems, and leaves, basic physiology and ecology of plants. Laboratory work on representative species.

*Botany 122—General Botany (3-4-5).* Spring. Prerequisite: Botany 121.

A study of reproduction, heredity, and evolution of seed plants, with studies of representative species of the other major plant groups. Laboratory work includes field trips.

*Zoology 101-102—Human Biology (10-0-10).* Fall and Winter. Four lectures and one demonstration period.

A basic course intended to acquaint the student with biological principles and their application to the human organism. The second quarter is a continuation of the first; no credit is allowed toward graduation until the sequence is completed.

*Zoology 108-109—Human Anatomy and Physiology (6-8-10).* Winter and Spring.

A basic course considering the gross anatomy, histology, and physiology of the organ systems. Laboratory work includes thorough dissection of a typical mammal as well as basic experiments in physiology. The second quarter is a continuation of the first; no credit is allowed toward graduation until the sequence is completed. Not open to pre-professional students in the biological sciences.

*Zoology 124—General Zoology (3-4-5)*. Fall and Spring. Prerequisite: High school chemistry is strongly recommended. Not open to students having credit for Zoology 101-102.

A survey of principles in biology, with accent upon cellular phenomena.

*Zoology 225—Invertebrate Zoology (3-4-5)*. Winter. Prerequisite Zoology 124, or Zoology 101-102, or Botany 121-122.

A survey of the invertebrate animals, their biology, structure, and relation to other animals.

*Zoology 226—Vertebrate Zoology (3-4-5)*. Spring. Prerequisite: Zoology 124 or 101-102, or Botany 121-122.

A study of the structure, body functions, interrelations, and natural history of the vertebrate animals.

*Zoology 230—Comparative Vertebrate Anatomy (3-6-6)*. Fall. Prerequisite: Zoology 226.

A study of the anatomy and evolution of the organ systems of the vertebrates.

## Business Administration

*Business Administration 101—Principles of Accounting, Introductory (5-0-5)*. Fall, Winter and Spring.

An introduction to the fundamental principles and procedures of accounting, including a study of the journal, the ledger, working papers, accounting, statements, controlling accounts, special journals and the voucher system.

*Business Administration 102—Principles of Accounting, Introductory (5-0-5)*. Winter and Spring. Prerequisite: Business Administration 101.

An application of accounting principles to certain problems such as the proprietorship, the partnership, the corporation, departmental operations, manufacturing accounts and the analysis of financial statements.

*Business Administration 115—Business Correspondence (5-0-5)*. Winter and Spring.

Covers various aspects of business and technical report writing. Attention is given to vocabulary building, a review of the mechanics of grammar, and techniques of business writing. Letter studies include: sales, credit, collection, promotion, application, routine, personal, and formal. Information relative to effective policies in these areas is considered.

*Business Administration 151T—Introduction to Transportation* (5-0-5). Fall.

History of transportation; development leading to legislative supervision of railroads; developments leading to Federal regulation of carriers, other than railroads; freight classifications; principles of freight rates and tariff.

*Business Administration 152T—Elementary Rates and Tariffs.* (5-0-5). Winter. Prerequisite: Business Administration 151T or permission of instructor.

Shipping documents and their application; special freight services; freight claims, overcharge and loss and damage; freight tariff circulars; construction and filing of tariffs; terminal facilities and switching; and demurrage.

*Business Administration 153T—Advanced Rates and Tariffs* (5-0-5). Prerequisite: B.A. 152T or permission of instructor.

Through routes and rates, overcharges and undercharges, loss and damage, import and export traffic, Rate and Classification Committee procedure.

*Business Administration 155T—Regulation of Transportation* (5-0-5).

Evolution, construction and interpretation of the Interstate Commerce Act; creation and organization of the Interstate Commerce Commission; practice before the Interstate Commerce Commission, general review.

*Business Administration 161T—Principles of Insurance* (5-0-5). Prerequisite: Economics 102.

A comprehensive treatment of the insurance field: an explanation of the different types of insurance and fundamental underlying principles, the organization of the insurance business and accepted insurance practices.

*Business Administration 162T—Real Estate Principles* (5-0-5). Prerequisite: Economics 102.

A consideration of the general principles of property utilization, the law dealing with ownership, transfer of title and liens; the appraisal process, determinants of values, the real estate cycle, management and salesmanship and regulatory legislation.

*Business Administration 201T—Principles of Accounting, Intermediate* (5-0-5). Spring. Prerequisite: Business Administration 102.

Basic accounting theory and the solution of problems requiring an application of accounting theory.

*Business Administration 202T—Intermediate Accounting (5-0-5).* Second course. Prerequisite: Business Administration 201T.

A continuation of Business Administration 201T emphasizing the theories of valuation of fixed assets and liability accounts, the application of these theories and the interpretation of financial statements prepared on the basis of these theories.

*Business Administration 207T—Business Law (5-0-5).* Fall.

Law governing the basic principles applicable to the following subjects. Contracts: offer and acceptance, consideration, performance, rights of third parties and discharge. Agency: creation of an agency, liabilities of principal and agent. Negotiable instruments: elements of negotiability, endorsement and transfer, liabilities of parties, discharge.

*Business Administration 208T—Business Law (5-0-5).* Spring.

The law governing the basic legal principles applicable to the following subjects which are of particular interest to those planning to major in accounting. Partnership: formation, powers, liabilities of partners, termination. Corporation: formation, power rights of security holders, types of securities. Sales: vesting of title, warrants, remedies.

*Business Administration 229T—Cost Accounting (5-0-5).* Spring. Prerequisite: Business Administration 101, 102.

Methods of determining and distributing costs in manufacturing, including the job order and the process methods.

*Business Administration 231T—Retailing (5-0-5).*

Basically a course in merchandising and promotion. Retailing also covers allied services such as stock and inventory control, accounting systems, mark-ups, and materials handling. A review is given on the basic elements of salesmanship and modern trends. Store design, the effects of lighting, color dynamics, traffic and aisle display are illustrated. Delineation of the various advertising media is also involved.

*Business Administration 236T—Income Tax Accounting.* Fall. (5-0-5). Prerequisite: Business Administration 102.

A study of federal income tax laws and the application of these laws to the income tax returns of individuals, partnerships and corporations.

*Business Administration 237T—Tax Accounting (5-0-5).* Prerequisite: Business Administration 236T.

A continuation of Business Administration 236T with emphasis on corporations and fiduciary returns and social security taxes, gift taxes and estate taxes.

*Business Administration 260—Principles of Management (5-0-5).*

Designed to prepare students in the fundamentals of all phases of administrative, staff and operative management. Successful management principles and techniques are given for all fields of business which include: business objectives, policies, functions, executive leadership, organization structure and morale, cooperative procedure and control procedure.

## Chemistry

*Chemistry 101—General Inorganic (4-3-5).* Fall and Winter. Prerequisite: Mathematics 9, or consent of instructor.

A study of the fundamental principles and laws of chemistry through the modern concept of the atom, with a quantitative approach to the laws. The lab consists of one three hour period per week emphasizing fundamental techniques as applied to the beginning experiments.

*Chemistry 102—General Inorganic (4-3-5).* Winter and Spring. Prerequisite: Chemistry 101.

This is a continuation of Chemistry 101 with emphasis on descriptive chemistry of particular elements, families and groups, including some organic chemistry. The lab follows with a study of the properties and preparations. One three hour lab per week.

*Chemistry 104—Qualitative Inorganic Analysis (3-6-5).* Spring and Fall. Prerequisite: Chemistry 102.

The lecture is devoted to the study of theoretical principles of chemical equilibrium and application to qualitative analysis. Lab is a systematic study of the separation and identification of common cations and anions by semi-micro techniques.

*Chemistry 105—Chemistry for Nurses (4-2-5).* Fall. Principles of inorganic, organic, and physiological chemistry with special application to nursing practice.

*Chemistry 280a—Quantitative Inorganic Analysis (2-6-4).* Winter. Prerequisite: Chemistry 104 or approval of the instructor.

A study of the fundamental theories and applications of quantitative analysis involving volumetric and gravimetric methods. No credit is given for this course before completion of Chemistry 280b.

*Chemistry 280b—Quantitative Inorganic Analysis (1-6-3).* Spring. Prerequisite: Chemistry 280a or its equivalent.

This course is a continuation of Chemistry 280a, with special topics in instrumental methods.

## Commerce

*Commerce 101—Beginning Typing (0-5-2).* Fall, Winter and Spring.

This course consists of introductory instruction in the technical features and care of the machine, position, fingering, proper technique and mastery of the keyboard.

*Commerce 102—Beginning Typing Continued (0-5-2).* Fall, Winter and Spring.

This course is a continuation of speed development. In addition, instruction in typing letters and setting up simple tabulations is given.

*Commerce 103—Intermediate Typing (0-5-2).* Fall, Winter and Spring. Prerequisite: Commerce 101-102 or equivalent.

A typewriter course in which emphasis is placed on speed building and accuracy. Special typing problems such as business letters, minutes, notices, stencil cutting and carbon copies are stressed.

*Commerce 111—Beginning Shorthand (5-0-3)* Fall. Complete theory of Gregg Shorthand simplified. Reading dictation and transcription from studied material. A dictation speed of 80 words a minute is attained.

*Commerce 112—Beginning Shorthand (Continued) (5-0-3)* Winter. A continuation of beginning shorthand from foundation learned in fall quarter.

*Commerce 113—Intermediate Shorthand (5-0-3).* Spring.

Dictation and transcription of new and studied material. Student is required to take dictation at the rate of 100 words a minute.

*Commerce 201—Advanced Typing (0-5-2).* Fall, Winter and Spring. Prerequisite: Commerce 103 or equivalent.

Advanced typing is a course in the acquisition of speed and accuracy including various legal forms and papers, manuscripts and business papers. Most of the student's work is done on a production timing basis.

*Commerce 202—A continuation of Commerce 201 (0-5-2).* Fall, Winter and Spring.

*Commerce 203—A continuation of Commerce 202 (0-5-2).* Fall, Winter and Spring. An average of 60 words a minute is attained.

*Commerce 211—Advanced Shorthand (5-0-3).* Fall. Prerequisites: Commerce 111, 112, 113 or equivalent.

A course in which the principles of Gregg Shorthand are applied in developing skill and accuracy in writing shorthand and in

transcribing. Dictating and typing of mailable letters are emphasized. A speed of 110 words a minute for five minutes is attained.

*Commerce 212—A continuation of Commerce 211 (5-0-3). Winter. A speed of 120 words a minute is required.*

*Commerce 213—Office Practice (5-0-5). Spring. Prerequisite: Commerce 112 or equivalent or permission of instructor.*

Typical business office situations are duplicated as nearly as possible, including the instruction of various business machines. Practical problems deal with typing, filing and office courtesy.

## Economics

*Economics 101—Principles and Problems of Economics (5-0-5). Fall.*

A study of the principles behind the economic institutions of the present time and an examination of some of the economic problems in the modern world.

*Economics 102—Principles and Problems of Economics (5-0-5). Winter. Prerequisite: Economics 101.*

A continuation of the study of economic principles and problems begun in Economics 101.

*Economics 125T—Elementary Economic Statistics (5-0-5).*

An introduction to presentation and analysis of quantitative economic data. Statistical sources, table reading, chart making; elementary statistical procedures and their economic interpretation; introduction to index and time series analysis.

*Economics 126—American Economic History (5-0-5).*

The growth and development of economic institutions in the United States from the colonial period to the present with major emphasis on the period since 1860. It will deal with agriculture, industry, labor, domestic and foreign commerce, transportation, money and banking, and finance.

*Economics 127T—Money and Banking (5-0-5). Prerequisite: Economics 102.*

The role of money in the economic organization; monetary theory; methods of stabilizing the price level; the integration of financial institutions; theory of bank deposits and elasticity of bank currency; discount policy and the interest rate of central banks; methods of regulating credit and business activities.



group conflicts, social stratification, mass communication, propaganda, public opinion formation and methods of changing group patterns are studied by consulting the reports of responsible studies and by group projects.

*Psychology 204—Applied Industrial Psychology* (5-0-5). Prerequisite: Psychology 201. Not offered 1964-1965.

This course applies psychology to special problems in industry. A study is made of causation in behavior, leadership, testing, training and fatigue, with a view to developing the technique of working with superiors, associates and subordinates. Methods of objective measurements of a person's intelligence, interests, aptitudes and personality traits will be explored and demonstrated. Special problems of personnel management and production will be considered.

*Psychology 205—Child and Adolescent Psychology* (5-0-5). Prerequisite: Psychology 201.

This course presents tested information on how growth, development and learning affect the behavior of human beings from conception through childhood and adolescence. Systematic study of experimental research in this field, from life-study, clinical and experimental research methods, is the basis for class seminar and lecture. To supplement study of the literature projects are planned for direct observation of child behavior in a nursery school, in various elementary school classes and in informal settings. When possible, special areas receive special study, such as testing programs, problems of exceptional children, child therapy or typical problems in child-parent relations and child placement.

## Russian

*Russian 101-102—Elementary Russian* (10-0-10).

This course consists of grammar, composition, conversation, reading and dictation. No credit will be allowed toward graduation until the sequence is completed.

## Social Science

*Social Science 104—Contemporary Georgia* (5-0-5).

A study of current economic and social statistics as pertaining to agriculture, industry and commerce, population trends and governmental organizations and problems.

*Psychology 201—Elements of Psychology* (5-0-5). Fall, Winter, Spring, and Summer.

Psychology studies individual behavior by use of various adaptations of scientific observation. This course works with the evidence and concepts pertaining to primary behavior processes which systematic observation has explored. These topics, basic to understanding human behavior, include scientific methodology in psychology, heredity and patterns of growth, processes of learning and retention, adjustment processes as affected by motivation, emotions, and adaptations to frustration and conflict, sensory-perceptual processes leading to objective observation, and the use of these interacting processes for thinking purposefully, objectively, logically and creatively. By the end of the course the student is expected to be able to see these processes interacting in a given example of behavior.

*Psychology 202—Applications of Psychology* (5-0-5). Spring. Prerequisite: Psychology 201. Not offered 1964-1965.

The findings, methods and concepts explored in Psychology 201 are applied during this course in four areas of practical investigation. First, an introduction to Experimental Psychology will use class projects to give practical experience in setting up designs for controlled observations. Second, an introduction to Social Psychology will use class projects to give practical experience in some field study and statistical methods of observation in social research. Third, an introduction to Tests and Measurements of individual differences (intelligence, achievement, aptitude and personality) will use class projects on the design and use of psychological tests to demonstrate the clinical and statistical methods of observation. Fourth, an introduction to Clinical and Abnormal Psychology will use the life study and case study methods of observation by exploring and observing the dynamics of emotional sickness as it relates to emotional health. Direction of each section of this course will rotate among members of the psychology faculty.

*Psychology 203—Social Psychology* (5-0-5). Spring. Prerequisite: Psychology 201.

This course centers on a study of the individual's interaction with community groups (family, friendship groups, clubs, church groups, forces of need, emotion and interests that bind the individual to his groups and the dynamic forces of group interaction are analyzed. The live laboratory of the class itself is used for experiencing the processes of communication and interaction in a group setting. Special topics of attitude formation, leadership,

including interference, diffraction, and polarization; and then proceeds into modern physics via the quantum theory of radiation, atomic structure, and the theories of relativity (see Physics 207, above). During this quarter laboratory work is on a "senior course" level and is designed to encourage independent thought and to deviate definitely from the somewhat stereotyped work of the preceding quarters.

## Political Science

*Political Science 112—The Governments of Foreign Powers.* (5-0-5).  
A study is made of the leading modern political theories, and attention is paid to the structure and powers of the major foreign governments.

*Political Science 113—Government of the United States* (5-0-5).  
Fall, Winter and Spring.

A study is made of the structure, theory, and workings of the national government in the United States and some of the major problems of the state and local government. The course shows how developmental practice has created our government as it stands today.

*Political Science 114—Totalitarianism and the Free World: Crisis in Civilization* (5-0-5, Spring).

This course examines dispassionately the various political ideologies which contend for men's allegiance in the twentieth century: principally fascism, nazism, and communism against the political and economic systems of the free world.

## Psychology

*Psychology 100—Psychology of Adjustment* (5-0-5). Fall, Winter.  
This course is an orientation into college and into the choice of a career. Objective aids developed in the field of psychology will be used to discover effective ways of learning in general, and of studying in the college setting. Methods of objective measurements of a person's intelligence, interests, special aptitudes and personality traits will be explored and demonstrated. These will be applied to problems of educational, vocational, and special interest training. Special emphasis is placed upon the understanding of learning processes and the motivation of behavior.

ing the fields of heat, sound and light. Under heat will be studied temperature measurement, thermal expansion, heat quantities, heat transfer, and thermodynamics. The study of sound includes wave motion, sound waves, and acoustics. Light includes reflection, refraction, spectra, color, and optics.

*Physics 207—Mechanics, Sound and Heat (5-3-6).* Fall. Prerequisite: Mathematics 104 or 201. (This course may be taken concurrently.)

Physics 207, 208 and 209 together constitute a thorough course in basic physics for engineering students. This course includes classical physics, and an introduction to modern physics (to which more than one quarter of the three courses is devoted) including the quantum theory of radiation, atomic structure, relativity, X-Ray, wave versus corpuscular propagation, natural radioactivity, nuclear reactions, and artificial radioactivity, nuclear energy and cosmic rays, and the fundamental particles.

The five classroom hours each week include some lectures and films, but the solution of a large number of problems is required, including application of the elements of the calculus. The laboratory work is designed to give practice in the art of making precise measurements, proficiency in the manipulation of apparatus and added familiarity with some of the concepts of physics. The theory of errors is stressed enough to give students the ability to decide under what conditions the greater expense of more precise measurements is justified.

Physics 207 is an intensive course in mechanics, sound and heat. It includes the study of statics, kinetics, friction, work, power, energy, momentum, machines, elasticity, fluid mechanics, harmonic motion, wave motion and vibrating bodies, temperature-expansion, heat transfer, work and heat, and the laws of thermodynamics.

*Physics 208—Electricity, Magnetism and Basic Light Through Geometric Optics. (5-3-6).* Winter. Prerequisite: Mathematics 104 or 201.

Physics 208 is an intensive course in electricity, magnetism, and geometric optics. It includes the study of the ideal gas and the atomic view of matter, static electricity, current electricity, magnetism, magnetic fields, electromagnetic induction, capacitance, inductance, alternating currents, electrical instruments, electromagnetic waves, nature and propagation of light, reflection and refraction, mirrors and lenses, optical instruments.

*Physics 209—Light Phenomena and Modern Physics. (5-3-6).* Spring. Prerequisite: Mathematics 104 or 201, and Physics 208. Physics 209 continues the study of the phenomena of light, in-

and principles. He learns the similarity of the application of principles involving small particles to larger or planetary particles. If student has completed a course in college physics, no credit will be given for this course.

*Physical Science 102 (5-0-5)*. Winter. No prerequisite.

In this course emphasis is placed on the study of the principles of inorganic and organic chemistry with some examples of the application of chemistry in household, industry, medicine, biology, geology, etc. Here the knowledge of the structure of the fundamental particles of matter (atoms and molecules) is used in the study of the classification of the simple components of matter (elements) and the changes which they undergo to form more complex substances (compounds). If the student has completed a course in college chemistry, no credit will be given for this course.

*Physical Science 103 (5-0-5)*. Spring. No prerequisite.

A survey of elementary geology and astronomy. This course covers what might be termed a "Biology of the Earth", concerning itself with earth materials, weather and climate, rocks and minerals, erosion and sedimentation, vulcanism and diastrophism, the law of uniform change and earth history as interpreted from the rock record. Upon completion of this phase the course progresses to the astronomy phase and the study of the stars and galaxies. Starting with the planetary system of our own sun, the study proceeds to the other stars and stellar systems, including, of course, the nebulae. Finally, the course covers general relativity and cosmology, entering the frontiers of Physical Science to conjecture on the "science of tomorrow."

## Physics

*Physics 204—General Physics—Mechanics (4-2-5)*. Fall.  
Prerequisite: Mathematics 101 and 102 or consent of the instructor.

Lectures, demonstrations, recitations and laboratory work covering the fields of mechanics. Force and motion, work and power, energy, torque, and properties of gases are included.

*Physics 205—General Physics—Electricity (4-2-5)*. Winter. Prerequisites: Math 101 and 102 or consent of the instructor.

Lectures, demonstrations, recitations and laboratory work covering the fields of magnetism, electric circuits, electric energy and power, electromagnetic induction, and principles of alternating current.

*Physics 206—General Physics—Heat, Sound, and Light (4-2-5)*. Spring. Prerequisite: Math 101 and 102 or consent of the instructor.  
Lectures, demonstrations, recitations and laboratory work cover-

## Physical Education

*Physical Education 111—Conditioning Course* (0-3-1), Fall.

Consists of calisthenics, stunts and tumbling, lifts and carries, road work, duel combatives, and simple games.

*Physical Education 112—Team Sports* (0-3-1), Winter.

Consists of basketball, soccer, speedball and volleyball.

*Physical Education 113—Elementary Swimming* (0-3-1), Spring.

\**Physical Education 114—Officiating of Basketball* (1-3-2), Winter. Prerequisite: P. E. 112 or equivalent.

Consists of a study of rules interpretation and actual experience in coaching and officiating in class and intramural games. Elective credit, except when substitute for P. E. 112.

\**Physical Education 204—First Aid* (3-0-1), Winter.

The American Red Cross standard course in first aid.

*Physical Education 201—Elementary Tennis* (0-3-1), Fall.

\**Physical Education 203—Senior Life Saving and Instructors' Course in Swimming* (2-3-2), Spring. May be substituted for Physical Education 113.

*Physical Education 205—Folk Rhythms* (0-3-1), Spring.

*Physical Education 206—Modern Dance for Women* (0-3-1), Winter.

*Physical Education 207—Tap Dance for Beginners* (0-3-1), Winter.

*Physical Education 208—Adult Recreative Sports* (0-3-1), Spring. Golf, ping-pong, pool, card games, chess, checkers and other quiet games.

*Physical Education 232—Bowling* (0-3-1), Winter.

## Physical Science

*Physical Science 101* (5-0-5), Fall. No prerequisite.

A study of the scientific method and its use in man's solutions of problems in his physical environment. The student learns the fundamentals of physics and acquires familiarity with the basic formulas.

\*Elective unless substituted as written in course description.

*Music 112—Music Theory* (5-0-3). Spring.  
 A continuation of *Music 111* through derivations and inversions of the dominant seventh chord, triads on all degrees and secondary seventh chords, sight-singing, dictation and keyboard harmony.

*Music 200—Music Appreciation* (5-0-5). Spring.  
 A course designed to help the student understand and enjoy fine music. Analysis of form, style and mediums of musical expression from the great periods of musical art. Lectures, discussions and recorded sessions comprise the course.

## Applied Music Courses

Applied music courses consist of private instruction in voice or an instrument. Two hours credit is received per quarter with six hours credit possible per year. A special applied music fee is charged for these courses as indicated under the course descriptions.

No practice facilities are available at the college. The student must have access to private practice facilities in order to enroll for applied music courses.

*Music 115 a,b,c—Applied Music*. 2 hours credit per quarter.  
 One one-hour private lesson per week. Special fee \$48.00.

*Music 215 a,b,c—Applied Music*. 2 hours credit per quarter.  
 A continuation of *Music 115c*. Special fee \$48.00.

## Philosophy

*Philosophy 110—Introduction to Philosophy* (5-0-5).

The fundamentals of philosophy, the meaning and function of philosophy, the vocabulary and problems of philosophy, and the relation of philosophy to art, science and religion. Includes a survey of the basic issues and major types in philosophy, and shows their sources in experience, history and representative thinkers.

*Philosophy 222—Honors Seminar* (5-0-5.)

The Honors Seminar will study some aspects of the nature of man in the natural world. The aim of the seminar will be to integrate what has been approached as specialization in the general curriculum. Instructors from the natural sciences, the humanities and the social sciences will serve as discussion leaders.

This course is open by invitation to sophomores placed on the Permanent Dean's List at the end of their freshman year and to other sophomores who are recommended by their advisors.

*Mathematics 201*  
*Mathematics 202—Calculus (5-0-5)*. Winter. Prerequisite:

Methods of advanced formal integration which include integration by parts and partial fractions are studied. Some applications are: Simpson's Rule, centroids of solids of revolution and of a plane area. Basic properties of continuous and differentiable functions are considered carefully. Methods of parametric equations and polar coordinates are studied with applications. The theory of infinite series includes differentiation and integration of power series.

*Mathematics 203—Calculus (5-0-5)*. Spring. Prerequisite: *Mathematics 202*.  
Solid analytic geometry precedes a study of vectors in two and three dimensions. Partial differentiation is carefully presented, and a proof of the Fundamental Theorem of Algebra is given. Multiple integration is presented with applications. Cylindrical and spherical coordinates are also considered.

*Mathematics 235—An Introduction to Finite Mathematics (5-0-5)*. Spring. Prerequisites: Math 102 or consent of Instructor.  
An introduction to logic and set theory give some insight into modern concepts in mathematics. The probability theory which is studied involves probability measure, conditional probability, finite stochastic processes, and the law of large numbers. The study of the theory of vectors and matrices includes the development of the usual vector and matrix operations, and linear transformations; this precedes some concepts from linear programming. Applications are given to the behavioral sciences with some applications to genetics.

*Mathematics 238—Finite Mathematical Structures (5-0-5)*. Prerequisite: Consent of the Department Chairman.  
The content of this course is similar to that of *Mathematics 235*; however, it is more advanced, and the approach is more rigorous.

## Music

*Music 110—Music Theory (5-0-3)*. Fall.  
An introduction to the fundamentals of music theory through sight-singing, dictation, part-writing and keyboard harmony. The ability to read notes is essential for this course.

*Music 111—Music Theory (5-0-3)*. Winter.  
A continuation of *Music 110* with emphasis on part-writing of triads and their inversions, the dominant seventh chord, sight-singing, dictation and keyboard harmony.



*Mathematics 102—Trigonometry* (5-0-5). Winter and Spring. Prerequisite: *Mathematics 101*.

After a review of the concepts of function and complex numbers the exponential function, and its inverse, the logarithmic function, are studied. The remaining elementary transcendental functions (the elementary trigonometric functions and their inverses) are treated. The standard properties of the elementary transcendental functions are developed; this includes identities, the definition of the trigonometric functions of angles, and some physical applications. The theory of vectors is introduced with some applications, and the geometric interpretation of complex numbers is given; DeMoivre's theorem is proved.

Some special topics are considered which include introductory point set topology, complex functions, and infinite series.

*Mathematics 103—Mathematics of Finance* (5-0-5). Spring. Prerequisite: *Mathematics 101*.

This course gives that background necessary for dealing with problems found in banking, real estate, financing, and accounting; the operation of the compound-interest law in business; simple problems concerning bonds, sinking funds, valuation of properties and annuities. Practical problems in these fields will be emphasized. The necessary aids and short cuts and use of tables and logarithms will be studied.

*Mathematics 104—Analytic Geometry and Calculus* (5-0-5). Spring. Prerequisite: *Mathematics 102*.

First, some review topics from algebra are considered. From analytic geometry the concepts of coordinates, graphs of equations, the distance formula, and equations of lines are presented. The fundamental concept of the calculus, the concept of limit of a function, is carefully presented using the epsilon-delta definition; the limit theorems are proved. Thus, a foundation for the study of continuity and differentiability is laid. Applications of the derivative include a thorough study of the extrema of functions and inflection points.

*Mathematics 201—Calculus* (5-0-5). Fall. Prerequisite: *Mathematics 104*.

Conic sections are first studied. The development of the definite integral by using Riemann Sums is based upon some properties of the real numbers, e.g. least upper and greatest lower bounds of sets of real numbers, and the completeness property. A study of the intermediate value theorem is followed by some applications of the integral. Differentiation of transcendental functions, and elementary formal integration are also considered.

for the order relation are given, and an introduction to solution of inequalities is given.

An introductory study of axiomatic systems and symbolic logic precedes elementary set theory, functions, and graphs of functions. Some concepts from the theory of numbers, and the theory of polynomials are also studied.

*Mathematics 100 (5-0-5), Integrated Algebra and Trigonometry.* A short review of elementary operations with real numbers is given. The concepts of function, and the graph of a function are emphasized. Special emphasis is placed upon logarithmic and exponential functions and their graphs. The trigonometric functions are defined by the unit circle definition; various properties of the trigonometric functions are developed. Some aspects of complex numbers are considered before the theory of equation is studied. The theory of matrices and determinants is applied in the solution of systems of equations. After some basic concepts of sequences are given, mathematical induction is studied and applied to sequences of statements. The theory of inverse functions includes the inverse trigonometric functions and their graphs. Methods of finding solution sets for trigonometric equations are considered.

Included in this course are the main topics from Mathematics 101 and Mathematics 102. It is recommended for students transferring to the Georgia Institute of Technology or other engineering schools.

Students who are transferring to colleges in which such an integrated course is required should be advised to consult with Mr. Stubbs concerning their qualifications for admission to Mathematics 100

*Mathematics 101—College Algebra (5-0-5).* Fall, Winter and Spring. Prerequisites: Two units high school algebra or *Mathematics 9*.

A brief review of some elementary properties of real numbers is given. Some general characteristics of axiomatic systems are examined. A relatively thorough (but non-axiomatic) development of symbolic logic and set theory is given. The concept of function is defined from that of ordered pairs. Basic theory of numbers and polynomials is studied. An axiomatic development of the structure of the set of real numbers is given. This includes completeness and the Dedekind theorem. The set of complex numbers is described. A careful study of algebraic functions and their graphs precedes the theory of equations.

Matrix techniques are applied to the theory of systems of equations. The theory of sequences, mathematical induction, and probability are also treated.

*History 115—A Continuation of History 114 (5-0-5). Spring and*

Summer.

(For History 114 and 115 classes will meet three hours a week for lectures by the history staff and two hours a week in small groups for discussion.)

*History 224—History of England (5-0-5). Winter.*

A study of English political and social institutions from early times to the present with special emphasis given to developments since the Tudor period.

*History 225—Recent European History (5-0-5). Fall.*

This course is designed to provide an opportunity for detailed study of major national and international developments in European affairs from about 1870 to the present time. Special emphasis is devoted to the First World War and new developments in Europe following that war and the complex of world events which preceded the Second World War.

*History 226—Recent American History (5-0-5). Winter.*

This course has as its purpose the examination of the most important events and movements, political, social and cultural, in American life from about 1865 to the present time.

## Home Economics

*Home Economics 232—Nutrition (5-0-5).*

The requirements of different individuals for energy, protein, minerals and vitamins; foods as a source of daily requirements, and the relation of food and the state of nutrition of an individual to physical fitness.

*Home Economics 235—Nutrition Education for Teachers (5-0-5).*

A study of the diet habits of Georgia school children and the relation of nutrition to health. Emphasis is placed on how teachers can enrich school and community programs and improve the health of school children through nutrition education.

## Mathematics

*Mathematics 9—Intermediate Algebra (5-0-5). Fall, Winter and*

Spring.

Some elementary properties of real numbers are studied. This includes a survey of the field properties of the set of real numbers. Properties of powers, roots, and absolute value are treated. The axioms

## German

*German 101-102—Beginning German* (10-0-10). Fall and Winter. Drill upon pronunciation and elements of grammar, conversation and the training of the ear as well as the eye. German is used as much as practicable in the classroom instruction. The course includes reading of texts and translations, conversation, dictation, and dialogues. No credit for graduation is allowed until sequence is completed. No credit will be given for these courses if two years of high school German have been completed.

*German 201—Intermediate German* (5-0-5). Spring. Prerequisite: Two quarters of college German or two years of high school German.

Grammar review and comparative grammar are studied for the purpose of enabling students to write compositions. Short stories are read; and conversation is practiced.

## Health

*Health 111—Personal and Community Health Problems* (5-0-5). This course considers the meaning of health and factors influencing health behavior; health problems as related to the individual; overview of world, national, state and local health problems; community health organizations; mobilizing and evaluating community health resources. The legal aspects in community health and the laws governing reportable diseases is given special attention.

## History

*History 100—Survey of American History* (5-0-5).

This course is designed to satisfy the state law requiring that all students receiving degrees shall pass an examination on the history of the United States and of Georgia.

*History 114—An Historical Introduction to Contemporary Civilization* (5-0-5). Fall and Winter.

This course comprises a chronological survey of the main currents of political, social, religious and intellectual activity in Western Civilization from the time of the ancient Mediterranean civilizations to the present era. Selected topics and periods are studied in greater detail by a careful reading of works by Plato, Dante, Machiavelli, Descartes and others. Classes will meet three hours a week for lectures by the history staff and two hours a week in small groups for discussion.

*English 230—Principles of Theatre Art* (5-0-5). Spring. A study and discussion of the fundamentals involved in the development of dramatic art and in the staging methods which have been and are now utilized in producing drama. The course will develop chronologically and will relate directly to historical events and to the changing form and method of writing for the stage.

*English 231—The Nineteenth Century* (5-0-5). Spring. A survey of the most important verse and prose written in England and the United States during this period.

## French

*French 101-102—Elementary French* (10-0-10). Fall and Winter. A course for beginners. The approach is primarily oral, and daily practice with tape recordings is required. Students who own tape machines may have tapes recorded for home practice.

No credit for graduation or transfer will be given until the sequence is completed. No credit will be given for these courses if two years of high school French have been presented for entrance credit.

*French 201—Intermediate French* (5-0-5). Spring. Prerequisite: Two quarters of college French or two years of high school French. Review grammar, oral practice, reading of selected texts.

*French 202—Intermediate French, continued* (5-0-5). Winter. Prerequisite: Three quarters of college French or three years of high school French.

Further reading of texts, oral and composition practice.

*French 204—French Classical Drama* (5-0-5). Spring. Prerequisite: French 202.

Selected plays of Corneille, Moliere and Racine.

## Geography

*Geography 111—World Human Geography* (5-0-5). A survey of world human geography, emphasizing population characteristics, topographic features, distribution of economic activities and geo-political problems within the major geographical regions. Consideration of adequacy of resources to support expanding world populations.

Students who are placed in English 100 will also be required to spend two hours a week in the reading laboratory. Successful completion of this work will be necessary in order to receive credit for English 100.

Students who are assigned to this course must make a grade of C before taking English 101.

*English 101—Freshman English* (5-0-5). Fall, Winter and Spring. Prerequisite: Assignment to this course is based on entrance test results or the successful completion of English 100.

This is a course in writing in which the aim is the achievement of a standard acceptable in any professional field. Through practice and the study of models, the student works toward clarity, unity, coherence, correctness, and worthwhile subject matter. A library paper is written during the term.

*English 102—Freshman English* (5-0-5). Fall, Winter and Spring. Prerequisite: English 101.

Literature studied in this course comes from the two principal early sources of our culture: early Greek literature and the Bible. The works read are the *Iliad*, the *Odyssey*, Greek drama, Genesis, the Saul-David story in Samuel and Kings, and the Prophets.

*English 201—Sophomore English* (5-0-5). Winter and Spring. Prerequisite: English 101, English 102.

The study of literature continues with Shakespeare, poetry, novels, and short stories through the nineteenth century.

*English 202—Sophomore English* (5-0-5). Winter and Spring. Prerequisite: English 101, English 102, English 201.

Modern literature, including novels, poetry, and drama, is studied.

*English 227—Modern Drama* (5-0-5). Fall. Class reading and discussion of modern plays from Ibsen's "Ghosts" to Miller's "Death of a Salesman." The course is centered on appreciation of drama and improving of oral interpretation through reading selected plays aloud.

*English 228—Fundamentals of Speech* (5-0-5). Winter. Basic principles and practices of speech. The course gives some attention to the physiological make-up of the speech mechanism, phonetics, gesture, articulation, pronunciation, and regional speech differences. However, it consists primarily of practicing the fundamentals of speech through a wide variety of formal, informal, extemporaneous, impromptu, and group participation speech exercises.

learning and development of children and youth. Supervised visits will be made to schools for observation and study, when possible.

## Engineering

*Engineering Graphics 113—(0-6-2).*

Topics of study include lettering (capital and lower case); the use of the instruments; geometric construction; orthographic projection; emphasis on descriptive geometry concepts as applied to the solution of problems involving orthographic projection of solids; auxiliary views, and points, lines and planes.

*Engineering Graphics 114—(0-6-2).* Prerequisite 113.

Topics of study include the solution of problems involving points, lines and planes by use of the revolution method; intersection of surfaces; warped surfaces; the development of surfaces. Practical applications are emphasized.

*Engineering Graphics 115—(0-6-2).* Prerequisite, 114.

Topics of study include sections and conventions; dimensioning; pictorial representation; detail sketches; shop processes; assembly drawings from detail sketches; working pictorial sketches; introduction to charts and graphs; reproduction processes; ink tracing on cloth; graphical calculus.

## English

Students will be assigned to freshman English according to results of tests taken before the beginning of the term.

*English 100—Freshman English (4-2-5).* Fall, Winter and Spring. This is a course in expository writing. An effort is made to gain a thorough knowledge of sentence structure. Through practice, the student tries to achieve logical, coherent, and correct expression. A handbook of composition is used, and models of good writing are studied.

*Economics 128T—Principles of Marketing (5-0-5)*. Prerequisite: Economics 102.

Principles and methods involved in the movement of goods and services from producers to consumers; marketing functions; marketing manufactured goods, raw materials and agricultural products; proposals for improving the marketing structure.

*Economics 129T—Labor Economics (5-0-5)*. Prerequisite: Economics 102.

An analysis of the background and origin of our modern labor organizations and their remarkable growth in recent years. Special emphasis is placed on the social and economic aspects of our labor problems including the study of wages, working conditions, unemployment problems, the movement toward shorter hours, workers welfare plans, labor organizations and the outlook for future developments along these lines.

*Economics 130T—Personnel Administration (5-0-5)*. Prerequisite: Psychology 201 and Economics 101.

A study of the principles and practices in the field of the administration of human relations and industry. Emphasis is given to scientific techniques and devices in the development of a well-rounded personnel program.

*Economics 132T—Investments (5-0-5)*. Prerequisite: Economics 127T.

A study of stock and bonds, market operations, investment mathematics, investment policies and financial statements.

*Economics 133T—Business Finance (5-0-5)*. Financial promotion and organization of business firms; problems of financial administration; failures; financial rehabilitation.

## Education

*Education 201—Orientation to Teaching (5-0-5)*. Winter.

For the beginning or prospective teacher, this subject offers a broad understanding of the American spirit in education, the place of the school in society, its growth and changing function as a social institution. The problem and discussion approach is used.

*Education 206—Educational Psychology (5-0-5)*.

Special emphasis is placed upon developing competencies on the part of the prospective elementary and high school teachers in understanding and applying the psychological principles involved in the



## Sociology

*Sociology 201—Introductory Sociology (5-0-5)*. Fall, Winter, Spring and Summer.

Sociology is the scientific study of human behavior at the group level. This course presents material which has been gathered by systematic and objective studies of human society. Material is introduced from the fields of cultural anthropology and social psychology. In this way an understanding is gained not only of the function of culture as a factor in the socialization of the individual but also of the role of the individual as a member of his own society. Attention is then turned to some of the major institutions of this society, and finally to a theoretical consideration of the operation of social processes.

*Sociology 202—Marriage and the Family (5-0-5)*. Winter, Spring.

This course is designed as a functional approach to the study of the problems of marriage in our society. As a background to a study of the family as an institution marriage customs and family relationships from other cultures are studied. The rest of the course focuses on the individual within our own culture. Each stage in the preparation for marriage is discussed: dating, courtship, engagement, marriage, adjustment to money, sex, religion, in-laws, friends and children. A prominent physician is guest lecturer on specialized information affecting the physical adjustment to marriage and parenthood. Other guest lecturers include representatives from the legal and insurance professions. In this course the student is provided with information which will encourage a mature and objective approach to the problems and responsibilities inherent in marriage and family relationships in our present-day society.

*Sociology 203—Community and Social Problems (5-0-5)*. Winter. Prerequisite: Sociology 201.

The purpose of this course is to study the facts, problems, and programs of community life, using Savannah and Chatham County as resources to supplement information from responsible scientific studies available in the professional literature. In addition to exploring the nature and origins of social problems in general, attention will be directed to such special areas as community physical and mental health, problems of poverty, unemployment, education, government, juvenile and adult crime, care for dependent children, housing, recreation, resources for the aged, problems of community planning, and group conflicts. The course will include seminar discussion, individual study of some problems of special interest, guest speakers and selected field trips. This additional knowledge, understanding and experience with systematic study of community life is aimed to contribute to the student's constructive involvement, as a citizen, in the life of his community.

## Spanish

*Spanish 101-102—Elementary (10-0-10).* Fall and Winter.

These courses are for the purpose of providing the student with the elements of Spanish reading, composition and conversation. No credit for graduation will be given until sequence is completed. No credit will be given for these courses if two years of high school Spanish have been completed.

*Spanish 201—Intermediate (5-0-5).* Spring.

Prerequisite: Two quarters of college Spanish or two years of high school Spanish.

This course gives the student an opportunity to review the elements of Spanish grammar, conversation and readings.

## TECHNICAL INSTITUTE COURSES

Courses are designated as follows:

GT—General Technology for courses which are common to several concentrations.

CT—Chemical Technology.

IT—Industrial Technology.

Civ. T—Civil Technology.

## General Technology

\*GT 111—*Industrial Safety (1½-0-1½).*

A basic study of industrial accident prevention considering the nature and extent of the accident problem. A practical study is given the technique for control of industrial hazards together with the fundamentals of good organization.

\*GT 112—*Public Speaking (3-0-3).* Prerequisite: English 101 or the equivalent.

Study and practice in the fundamentals of public speaking. The subject includes training in selecting a subject, obtaining and organizing material, and presenting speeches effectively. Each student makes several speeches before an audience.

\*GT 113—*Technical Report Writing (3-0-3).* Prerequisite: English 101 or the equivalent.

Study of the fundamentals of technical writing style and mechanics with practice in preparing reports of various types most likely to be used on the job by technicians.

\*Classes to be conducted at the plant of the Union Bag-Camp Paper Corporation.

## Building Construction Technology

*BCT 121—Graphics (2-6-5)*. Prerequisite: Engineering 113.

An introductory study in architectural drawing and the principles of visual design. This subject equips the student with a basic knowledge of drawing sections, plans, perspective and presentation drawing in ink.

*BCT 142—Construction Materials and Estimates (5-0-5)*.

An introduction to the materials most commonly used in the erection of structures, and the preparation of material and labor quantity surveys from actual working drawings and specifications.

*BCT 211—Wood and Steel Construction (3-6-5)*. Prerequisite: Civ. T 143.

A study of the design of beams, girders and columns in both wood and steel. Included is a study of the various timber fasteners, steel and timber trusses and steel frameworks.

*BCT 212—Concrete Construction (3-6-5)*. Prerequisite: Civ. T 143.

A study of the properties of reinforced concrete with the determination of direct stresses and bending stresses in beams, slabs, girders and columns. Laboratory work consists of problems and a study of the methods of testing various concrete members.

*BCT 231—Architectural History (3-0-3)*.

A study of the progress of architecture. The material covered includes a review of architectural forms from early Egyptian to modern Engineered Architecture.

*BCT 243—Building Equipment (3-0-3)*. Prerequisite: Physics 206.

A brief survey of the principles of heating, ventilating, plumbing, air-conditioning, lighting and electric wiring of buildings from the construction point of view.

## Chemical Technology

\**CT 120—Introduction to Industrial Statistics (3-0-3)*. Prerequisite: Mathematics 101.

An introduction to the application of statistical analysis to technical problems. The concept of distributions is developed, simple tests of significance and linear correlation are discussed. Emphasis is placed upon the practical application of statistics rather than upon theory.

\*Classes to be conducted at the plant of the Union Bag-Camp Paper Corporation.

\*CT 121—*Experimental Design* (3-0-3). Prerequisite: CT 120.

Advanced statistical work, including problems in the determination of the proper procedure to be followed in gaining maximum information from given data. A study of experimental methods designed to produce adequate result data at a minimum expenditure of time and money.

\*CT 140—*Basic Wood Technology: Pulping, Pulp Preparation and Pulp Testing, Part I.* (4-0-4). Prerequisite: Chemistry 101, 102.

A brief summary of all commercial pulping processes in use, including a study of wood species, chemicals used, cooking conditions, characteristics of pulp, and recovery processes. Also included is a thorough study of pulping processes now in widespread use in the South, with emphasis on the sulphate pulping of pine.

\*CT 141—*Basic Wood Technology: Part II.* (2-4-4).

A comprehensive review of standard mill and laboratory pulp testing equipment and procedures. The interrelationships of different pulp properties are studied, together with the theoretical and practical considerations of permanganate number and other measures of the degree of pulping.

\*CT 142—*Paper Making, Paper Converting, and Paper Testing, Part I.* (4-0-4). Prerequisite: CT 141.

The study of the function and operation of the various machines used for the conversion of pulp to the finished product, including the component parts and associated equipment of the fourdrinier machine. A survey of the leading types of machines used in the further processing of paper and paperboard for the production of bags, boxes and similar products.

\*CT 143—*Paper Making, Paper Converting, and Paper Testing, Part II.* (2-4-4).

A study of the physical properties of paper and paperboard with emphasis on the characteristics commonly tested. Details of the construction, principle and operation of testing equipment are studied.

\*CT 150—*Organic Chemistry* (5-0-5).

Prerequisites: Mathematics 102 and Chemistry 280b.

A classroom survey of the type of organic compounds, their names and structures, preparation, properties and reactions, including electronic mechanisms involved in the reactions.

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\*Classes to be conducted at the plant of the Union Bag-Camp Paper Corporation.

\*CT 151—*Industrial Chemical Analysis* (3-0-3). Prerequisite: Chemistry 280b.

The application of chemical principles to industrial processes of water treatment, paper manufacture, waste disposal, acid manufacture and various other related processes in the paper industry.

\*CT 160—*Material Balances* (3-0-3). Prerequisite: Mathematics 101 or GT 114, Chemistry 101, 102, Physics 204, 205, 206.

This course is designed to give intensive, qualitative training in the practical applications of the principles of chemistry and physics to the solution of problems associated with industrial chemical processes. This portion of the course is mainly concerned with establishing material flows through process, including the development of methods of predicting mis-information from generalized principles.

\*CT 161—*Energy Balances* (3-0-3). Prerequisite: CT 160.

A continuation of Civ. T 160 to include the energy requirements of chemical process. Insofar as possible the problems are related to actual data from operation in a kraft paper pulp mill.

\*CT 162—*Elementary Chemical Process* (4-0-4). Prerequisites: Chemistry 280b, CT 160.

A study of the transformation of energy and heat transfer, evaporation, distillation, drying, and flow of fluids.

\*CT 164—*Wood Structures and Properties* (3-2-4). Prerequisites: Chemistry 101, 102, Physics 204, 205, 206.

A course covering the basic process of the formation of wood fibers in the living plant and the changes which occur during and after the life of the plant. A resume of physical and chemical characteristics of southern woods, and the means by which these characteristics may be controlled or altered.

\*CT 165—*Industrial Chemistry* (4-0-4). Prerequisite: Chemistry.

The course covers fundamental chemical processes and reactions used in the manufacturing of a large variety of chemical compounds. It also gives a general view of the problems of the chemical industry.

## Civil Technology

Civ. T 121—*Elementary Surveying* (3-9-6). Prerequisite: Mathematics 102 or GT 115, or concurrently.

Construction, care and use of surveying instruments; theory and practice of chaining; differential and profile leveling; traversing; com-

\*Classes to be conducted at the plant of the Union Bag-Camp Paper Corporation.

putation of areas and earthwork; theory and practice of stadia and its application to topographic surveying; U. S. Gov't. system of public land surveys; reduction and plotting of field notes; the interpretation and plotting of field notes of topographic surveys.

*Civ. T 122—Route Surveying (3-6-5)*. Prerequisite: Civ. T 121.

Reconnaissance, preliminary location and construction surveys for routes of all kinds, including simple, compound and reverse curves used on highways and railroads; superelevation of curves; computations of earthwork; construction of quantity, mass and haul diagrams. For a final project each laboratory group must lay out a complete highway location with each student submitting a complete set of plans, profiles, cross sections and earthwork computations for this location.

*Civ. T 131—Highway Construction (3-0-3)*. Prerequisite: Civ. T 122.

A study of highway location, grading, drainage, surfacing, maintenance and administration.

*Civ. T 143—Mechanics of Materials (5-3-6)*. Prerequisites: Physics 204 and Mathematics 102 or GT 115.

A study of coplanar forces and force systems, truss solutions, force systems in space, friction and centroids; direct stress, properties of materials, riveted and welded joints, torsions stresses in beams, beam deflection, and columns.

*Civ. T 212—Structural Drafting I (0-6-2)*. Prerequisite: Engineering 113.

Structural steel framing practices and preparation of shop drawing for steel fabrication.

*Civ. T 213—Structural Drafting II (0-6-2)*. Prerequisite: Civ. T 212.

Preparation of detail drawings for concrete structures.

*Civ. T 223—Land Surveys (3-6-5)*. Prerequisite: Civ. T 121.

Theory and practice of land surveying; sub-divisions; filing and recording deeds; U. S. system of land subdivisions. U. S. Coast and Geodetic plane coordinate systems; county and state laws; computations on astronomical observations for azimuth determination. Georgia Land Lot system of land subdivision.

*Civ. T 224—Topographic and Contour Surveying (2-6-4)*. Prerequisite: Civ. T 121.

Theory, description and use of advanced surveying instruments and methods; practice of state and local coordinate systems for cadas-

tral surveys and construction work; field work for the design and construction of engineering projects; use of the Plane Table on topographic surveys; theory, description and purposes of the many types of maps, plans and profiles used by engineers; hydrographic surveying; altimetry.

*Civ. T 232—Heavy Construction* (3-3-4). Prerequisite: BCT 142.

Heavy construction practices. This subject acquaints the student with the many common pieces of heavy construction equipment and apparatus; operation, use, limitations and maintenance of this equipment are covered along with the methods, organization and management for both large and small jobs. Fields trips are made to construction projects to illustrate the usage of various pieces of equipment.

*Civ. T 241—Hydraulics* (6-0-6). Prerequisites: Physics 204 and Civ. T 143.

Elementary principles of hydraulics with special emphasis on static pressure, flow through pipes, channels, and over weirs. A survey of the operation of water and sewage treatment plants is included. Several field trips are scheduled.

## Electronics & Communications Technology

*Elec. T 121—Direct Current Circuits* (5-3-6). Prerequisite: GT 114.

Fundamental concepts of D-C, including electron theory, Ohm's Laws, Thevenin's and Superposition Theorem and other theorems which aid in the simplification of networks. A comprehensive study of D-C instruments and measurements and their use in the laboratory to determine and verify the basic principles of electricity. Laboratory experiments to coincide with classroom study.

*Elec. T 122—Alternating Current Circuits I* (5-3-6). Prerequisites: Elec. T 121 and GT 115.

The fundamental study of sinusoidal voltages and current waveforms—the resistive, inductive and capacitive circuits along with their combinations. Series and parallel networks. A comprehensive study of vector analysis and complex notation. Laboratory experiments to coincide with classroom study and to verify theoretical work—become familiar with oscilloscopes.

*Elec. T 131—Basic Electronics* (5-3-6).

Basic study of the control of free electrons in elementary electronic circuits. Electron emission, classification and characteristics of high-vacuum tubes, tube characteristics curves. Rectification, amplification,

amplification factor, trans-conductance plate resistance, load lines, stage gain and basic amplifier circuits. Types of bias. Classification and characteristics of gas-filled, vapor-filled, and cathode ray tubes. Hard-tube and soft-tube voltage regulator circuits. Conversion efficiency, ripple factor and circuit analysis of single-phase, half-wave, full-wave and bridge rectifier circuits.

*Elec. T 234—Semiconductors (3-3-4).*

Familiarization of transistors, diodes and other semiconductor devices. Theory, application and operational characteristics of semiconductors. Laboratory experiments to include investigation of transistors and other semiconductors circuitry and behavior.

*Elec. T 241—Communications Circuits I (5-3-6).* Prerequisite: Physics 205.

Study of the operating principles of telephone equipment and circuits. Local-battery and common battery manual exchanges, step-by-step and all-relay automatic exchanges. Basic relay circuits for digital control. Matched transmission lines for audio frequencies, distributed and lumped line constants, pads and attenuators, constant-k and m-derived filters for low-pass, high-pass, band-pass and band-elimination. "Pi", "T", and "LL" sections.

*Elec. T 242—Communications Circuits II (3-3-4).* Prerequisites: Elec. T 261, or concurrently.

Micro wave technique concepts and practical applications. Impedance-matching concepts and methods, transmission-line circle diagram, propagation, standing waves, basic antenna theory, antennas for low-frequency and high-frequency applications, and high-frequency measuring techniques, including radar and transmitting and receiving systems.

## Industrial Technology

\*IT 120—*Manufacturing Processes (3-0-3).* Prerequisites: Mathematics 101, or GT 114, Physics 204.

This course is designed to familiarize the student with machine tools and basic manufacturing operations.

\*IT 121—*Production Organization (3-0-3).* Prerequisites: Economics 101, 102, and IT 120 or approval of the instructor.

Problems in planning for production budgeting, plant location, machinery and equipment selection, building and service selection, maintenance planning, plant layout, materials handling, storekeeping planning, personnel organization, employee selection and training.

\*Classes to be conducted at the plant of the Union Bag-Camp Paper Corporation.



\*IT 122—*Economic Analysis* (3-0-3). Prerequisites: Business Administration 101 and IT 121 or approval of the instructor.

Problems in economic, financial and intangible analysis. A study is made of the technique of making a decision among alternatives on the basis of comparative cost and suitability. A study of quality control methods is included.

\*IT 123—*Production and Cost Control* (3-0-3). Prerequisites: Business Administration 101 and IT 121 or approval of the instructor.

Problems in factory operation, including scheduling, planning and detailed control of production, as well as the analysis and control of costs of manufacturing.

\*IT 124—*Time and Motion Study* (3-0-3). Prerequisites: IT 121 or approval of the instructor.

The study of working procedures to determine the best method, the best human motions and the time standard or measure of human efficiency.

\*IT 125—*Mechanical Methods* (0-4-2). Prerequisites: Engineering 103, Mathematics 102 or GT 115, IT 124 and Physics 204.

The course is designed to familiarize the student with machine mechanisms and jig and fixture design, including actual designing of simple machines, jigs and fixtures.

\*IT 126—*Advanced Time and Motion Study* (3-0-3). Prerequisite: IT 124 or approval of the instructor.

A continuation of IT 124 designed for students specializing in this field.

\*IT 127—*Data Presentation* (3-0-3). Prerequisite: IT 124 or approval of the instructor. (CT 120 may be substituted with consent of instructor.)

Problems in graphical and numerical analysis of data. Problems in presenting data in the most efficient and least costly form in terms of time required for use. Simple graphs and charts, alignment charts, families of curves and multi-variable charts.

\*IT 128—*Personnel Motivation* (3-0-3). Prerequisite: Psychology 204T.

The course gives primary consideration to human factors in the design, approval and installation of personnel practices, procedures and systems. The case study method is used.

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\*Classes to be conducted at the plant of the Union Bag-Camp Paper Corporation.

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**1965-66**

**BULLETIN**

**ARMSTRONG  
STATE  
COLLEGE**



**SAVANNAH, GEORGIA**





1965-1966

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Summer

Fall

Winter

Spring

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Bulletin of  
**Armstrong State College**  
Savannah, Georgia

A Unit of the University System of Georgia



*Membership in*  
Southern Association of Colleges and Schools  
Association of Georgia Colleges

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**Volume XXX**

**Number 5**

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1965

CALENDAR

1965

## APRIL

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## JULY

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## OCTOBER

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1966

CALENDAR

1966

## JANUARY

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## APRIL

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## MAY

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## AUGUST

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## MARCH

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## JUNE

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## SEPTEMBER

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# CALENDAR FOR 1965 - 1966

## Summer Session, 1965

May 1:	Last day to file all papers of Application for Admission for preferred registration status
June 10:	Registration
June 11:	Classes begin
June 14:	Last day to register for credit
June 16:	Last day to change classes
July 5:	Mid-term reports due
July 26-30:	Pre-advisement for Fall Quarter
August 9-10:	Examinations

## Fall Quarter, 1965

August 20:	Last day to file all papers of Application for Admission (including CEEB SAT scores)
September 13, 14:	9:00 A.M. Jenkins Hall—Freshman Orientation (including transfer students)
September 15:	Group advisement for all new students
September 16:	8:30 - 11:00 A.M. Registration for pre-advised sophomore students 1:30 - 4:00 P.M. Registration for new students accepted by May 1 L - Z 1:30 - 2:30 A - K 2:30 - 4:00
September 17:	8:30 - 11:00 A.M. Registration for pre-advised new students accepted after May 1 L - Z 8:30 - 9:30 A.M. A - K 9:30 - 11:00 A.M. 1:30 - 4:00 P.M. and 6:00 - 8:00 P.M. Registration and advisement for all other students
September 20:	Classes begin
September 22:	Last day to register for credit
September 24:	Last day to change classes
October 25:	Mid-term reports due
November 3:	Convocation for installation of student officers 12:30 P.M., Jenkins Hall Auditorium)
November 15-19:	Pre-advisement for Winter Quarter
November 25-26:	Thanksgiving Holidays
November 29:	Ga. and U.S. history and government test
December 6-8:	Examinations

## Winter Quarter, 1966

December 14:	Last day to file all papers of Application for Admission (including CEEB SAT scores)
January 3:	Registration
January 4:	Classes begin
January 6:	Last day to register for credit
January 10:	Last day to change classes
February 7:	Mid-term reports due
February 21-25:	Pre-advisement for Spring Quarter
March 7:	Ga. and U.S. history and government test
March 15-17:	Examinations

## Spring Quarter, 1966

March 1:	Last day to file all papers of Application for Admission (including CEEB SAT scores)
March 23:	Registration
March 24:	Classes begin
March 28:	Last day to register for credit
March 30:	Last day to change classes
April 8:	Holiday
April 25:	Mid-term reports due
May 9-13:	Pre-advisement for Summer and Fall Quarters
May 10:	Ga. and U.S. history and government test
May 18:	Honors Day Assembly
June 1, 2, 3:	Examinations

Beginning in 1966, Armstrong State College will offer a full Summer Quarter in which a student may take a maximum of 17 quarter hours.

## Summer Quarter, 1966

May 1:	Last day to file all papers of Application for Admission for New or Transfer Students
May 31:	Last day to file all papers of Application for Admission for Transient (Summer only) Students
June 13:	Registration
June 14:	Classes begin
June 16:	Last day to register for credit
June 20:	Last day to change classes
July 4:	Holiday
July 18:	Mid-term reports due
August 1-5:	Pre-advisement for Fall Quarter
August 23-25:	Examinations

# Regents, University System of Georgia

244 Washington Street, S.W.—Fourth Floor

ATLANTA

State at Large—James A. Dunlap	Gainesville
(February 19, 1960 - January 1, 1967)	
State at Large—Jack Adair	Atlanta
(January 13, 1965 - January 1, 1971)	
State at Large—Roy V. Harris	Augusta
(February 19, 1960 - January 1, 1967)	
State at Large—Dr. John A. Bell, Jr.	Dublin
(January 1, 1963 - January 1, 1970)	
State at Large—Carey Williams	Greensboro
(January 1, 1962 - January 1, 1969)	
First—Anton F. Solms, Jr.	Savannah
(January 1, 1962 - January 1, 1969)	
Second—John I. Spooner	Donalsonville
(January 1, 1961 - January 1, 1968)	
Third—T. Hiram Stanley	Columbus
(January 13, 1965 - January 1, 1971)	
Fourth—H. G. Pattillo	Decatur
(February 5, 1965 - January 1, 1970)	
Fifth—Jesse Draper	Atlanta
(January 1, 1961 - January 1, 1968)	
Sixth—James C. Owen, Jr.	Griffin
(February 5, 1965 - January 1, 1971)	
Seventh—Ernest L. Wright	Rome
(February 6, 1959 - January 1, 1966)	
Eighth—John W. Langdale	Valdosta
(January 13, 1964 - January 1, 1971)	
Ninth—Morris M. Bryan, Jr.	Jefferson
(February 3, 1959 - January 1, 1966)	
Tenth—G. L. Dickens, Jr.	Milledgeville
(February 5, 1965 - January 1, 1972)	

## Officers and Staff of the Board of Regents

<i>Chairman</i>	James A. Dunlap
<i>Vice-Chairman</i>	Morris Bryan, Jr.
<i>Acting Chancellor</i>	S. Walter Martin
* <i>Assistant to Chancellor</i>	John E. Sims
<i>Director of Plant and Business Operations</i>	J. H. Dewberry
<i>Executive Secretary</i>	L. R. Siebert
<i>Treasurer</i>	James A. Blissit
<i>Director Testing &amp; Guidance</i>	John R. Hills
<i>Coordinator of Junior Colleges</i>	Harry S. Downs

\*On leave.

## The Armstrong State College Commission

The Commission controls certain endowment funds and scholarship funds which have been contributed by local citizens over a period of years. It serves also in an advisory capacity to the college.

DR. IRVING VICTOR.....	<i>Chairman</i>
FRANK BARRAGAN, JR.....	<i>Vice-Chairman</i>
JULE C. ROSSITER.....	<i>Secretary &amp; Treasurer</i>

### APPOINTIVE

DR. IRVING VICTOR, <i>Chairman</i>
MR. FRANK BARROGAN, JR., <i>Vice-Chairman</i>
MR. EDWARD J. BARTLETT
MR. JOHN PETERS, JR.
MR. FRANK HILL
MR. JOHN F. M. RANITZ, JR.

### EX-OFFICIO

MAYOR MALCOLM MACLEAN
JUDGE ROBERT F. LOVETT
DR. THORD MARSHALL, <i>Superintendent of the Board of Education, Chatham County</i>
DR. DARNELL BRAWNER, <i>President of the Board of Education</i>
MR. JACK ALTMAN, <i>President of the Chamber of Commerce</i>

## Officers of Administration

HENRY L. ASHMORE.....	<i>President</i>
JOSEPH I. KILLORIN.....	<i>Dean of the College</i>
JAMES T. ROGERS.....	<i>Dean of Student Affairs</i>
JACK H. PADGETT.....	<i>Registrar</i>
MARY H. STRONG.....	<i>Director, Community Services</i>
JULE C. ROSSITER.....	<i>Comptroller</i>
DALE PRICE.....	<i>Admissions Officer</i>

## Heads of Departments

LESLIE B. DAVENPORT, JR.....	<i>Biology</i>
ORANGE W. HALL.....	<i>Business Administration</i>
FRETWELL G. CRIDER.....	<i>Chemistry &amp; Physics</i>
JAMES HARRY PERSSE.....	<i>Fine Arts</i>
ROY CARROLL.....	<i>History &amp; Political Science</i>
HUGH PENDEXTER, III.....	<i>Humanities</i>
F. LANE HARDY.....	<i>Mathematics</i>
ROY JESSE SIMS.....	<i>Physical Education</i>
DOROTHY M. THOMPSON.....	<i>Psychology &amp; Sociology</i>
REGINA YOAST.....	<i>Library</i>

## Secretarial and Administrative Staff

MARJORIE A. MOSLEY.....	<i>Secretary to the President</i>
ELIZABETH HOWARD.....	<i>Secretary to the Dean of the College</i>
VIRGINIA M. AREY.....	<i>Assistant to the Registrar</i>
MINNIE MCG. CAMPBELL.....	<i>Secretary to the Registrar</i>
BERTIS JONES.....	<i>IBM Operator</i>
SARAH FLOYD TUTEN.....	<i>Secretary to the Faculty</i>
HELEN MEIGHEN.....	<i>Secretary to Director, Community Services</i>
CORINNE H. MCGEE.....	<i>Assistant to Comptroller</i>
NORMA JEAN CALLOWAY.....	<i>Secretary to Comptroller</i>
MARY ELIZABETH POUND.....	<i>Manager, Student Center &amp; Book Store</i>
IRA J. RYAN.....	<i>Superintendent of Buildings &amp; Grounds</i>
ELEANOR SALTER.....	<i>Secretary to Librarian</i>
ELIZABETH B. LEGETTE.....	<i>Assistant to Catalog Librarian</i>
MIRIAM SHUMAN.....	<i>Secretary to Dean of Student Affairs</i>

## THE FACULTY

- \*JOSEPHINE AMARI, A.B., G.S.W.C.; M.A., Columbia University; Diploma, Sorbonne, Paris, France  
*Instructor in French*
- M. LORRAINE ANCHORS, A.B., M.A., Baylor University  
*Professor of English*
- RUTH ARGER, B.A., Oglethorpe University; M.A., University of Tennessee  
*Assistant Professor of Psychology*
- HENRY L. ASHMORE, B.A.E., M.A.E., D.Ed., University of Florida  
*President*
- W. ORSON BEECHER, A.B., M.A., Emory University; M.A., University of Georgia  
*Professor of History*
- \*J. FRED BEVERLY, A.B., M.A., Mercer University  
*Instructor in Business Administration*
- FRANK A. BRIMELOW, A.R.T.C.S., Royal College of Advanced Technology, Salford, England; M. S., Vanderbilt University  
*Assistant Professor of Chemistry*
- VIRGINIA CARR, B.A., Florida State University; M.A., University of North Carolina  
*Instructor in English*
- ROY CARROLL, B.A., Ouachita Baptist College; M.A., Ph.D., Vanderbilt University  
*Head, Department of History and Political Science*  
*Professor of History*
- \*\*WILLIAM E. COYLE, A.B., Emory University; M.A., Georgetown University  
*Associate Professor of History & Political Science*
- FRETWELL CRIDER, B.S., Ph.D., University of North Carolina  
*Head, Department of Chemistry and Physics*  
*Professor of Chemistry*
- LESLIE B. DAVENPORT, JR., B.S., College of Charleston; M.S., Virginia Polytechnic Institute; Ph.D., University of Georgia  
*Head, Department of Biology*  
*Professor of Biology*

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\*Part-time Instructor.

\*\*Leave of Absence during academic year 1965-66.



- JOHN KENNETH DAVIDSON, B.S., M.A., University of Georgia  
*Assistant Professor of Sociology*
- JOSEPHINE F. DAVIDSON, B.S., University of Southern Mississippi;  
M.A., Florida State University  
*Catalogue Librarian*
- LAMAR W. DAVIS, B.S., M.S., University of South Carolina; Certified  
Public Accountant  
*Professor of Business Administration*
- JOHN L. M. DESISLETS, COL. (Ret.), B.S., United States Military  
Academy  
*Professor of Physics*
- JOHN DONALD DUNCAN, B.S., College of Charleston; M.A., University  
of South Carolina  
*Assistant Professor of History*
- ORANGE W. HALL, B.S., Air Force Institute of Technology; M.B.A.,  
Hofstra College; Ph.D., University of Florida  
*Head, Department of Business Administration*  
*Professor of Business Administration*
- RAYMOND RALPH HALL, B.A., Mississippi State College; M.S., Auburn  
University  
*Assistant Professor of Mathematics*
- F. LANE HARDY, A.B., Oglethorpe University; M.A., Emory University;  
Ph.D., Ohio State University  
*Head, Department of Mathematics*  
*Professor of Mathematics*
- \*REGINALD C. HAUPT, JR., L.L.B., University of Georgia  
*Instructor in Business Administration*
- \*PHILIP HOFFMAN, B.B.A., M.B.A., University of Georgia  
*Instructor in Business Administration*
- JOHN J. HUTTON, B.A., M.A., University of Notre Dame  
*Assistant Professor of English*
- \*STANLEY KARSMAN, L.L.B., University of Georgia  
*Instructor in Business Administration*

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\*Part-time Instructor.

- \*CHAUNCEY KELLEY, B.A., Carnegie Institute of Technology; Musical Director and Conductor, Savannah Symphony Orchestra  
*Instructor in Music*
- JOSEPH I. KILLORIN, A.B., St. John's College; M.A., Columbia University  
*Dean of the College*
- WALTER B. LAFFER, B.S., Case Institute of Technology; Ph.D. Ohio State University  
*Associate Professor of Mathematics*
- OSMOS LANIER, JR., B.A., LaGrange College; M.A., Auburn University; Ph.D., University of Georgia  
*Associate Professor of History*
- \*JAMES HARRIS LEWIS, B.S., University of Georgia; L.L.B., University of Virginia  
*Instructor in History and Political Science*
- MARGARET SPENCER LUBS, B.Mus., Converse College; B.A., University of Georgia; M.A., Columbia University  
*Professor of English and French*
- JOHN C. MCCARTHY, JR., B.B.A., University of Miami; M.B.A., University of Georgia  
*Assistant Professor of Business Administration*
- \*FRANCIS L. MANNION, JR., B.I.E., University of Florida  
*Instructor in Mathematics*
- \*HINCKLEY A. MURPHY, A.B., Vanderbilt University; M.A., Columbia University  
*Instructor in Psychology and Sociology*
- ALVIN W. NEELY, JR., B.A., University of North Carolina  
*Instructor in English*
- JOHN F. NEWMAN, B.A., University of Maryland; M.A., Georgetown University; Ph.D., University of Florida  
*Associate Professor of Political Science and History*
- \*JOHN M. PARR, B.S., Georgia Institute of Technology  
*Instructor in Engineering*
- JACK H. PADGETT, A.B., Wofford College; M.A., University of North Carolina  
*Registrar*

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\*Part-time Instructor.

HUGH PENDENTER, III, A.B., Bowdoin College; M.A., Northwestern University; Ph.D., University of Pennsylvania

*Head, Department of Humanities  
Professor of English*

JAMES HARRY PERSSE, B.F.A., University of Georgia; M.M., Ph.D., Florida State University

*Head, Department of Fine Arts  
Professor of Music*

HARRY L. POWE, JR., B.S., Davidson College; B.S., Ph.D., North Carolina State

*Admissions Officer*

DALE PRICE, B.A., Florida State University; M.A., Florida State University

*Associate Professor of Biology*

\*ROBERT B. H. ROCKWELL, COL. (Ret.), B.S. in E.E., Georgia Institute of Technology

*Instructor in Physical Science*

JAMES T. ROGERS, B.S., Delta State College; M.R.E., N.O.B.T.S.; Ed.D., Florida State University

*Dean of Student Affairs*

JULE C. ROSSITER, A.A., Armstrong State College

*Comptroller*

LEA LESLIE SEALE, B.A., University of Southwestern Louisiana; M.A.; Ph.D., Louisiana State University

*Professor of English and German*

JAMES L. SEMMES, B.S., United States Naval Academy; M.S., Florida State University

*Assistant Professor of Mathematics*

ROY JESSE SIMS, B.S., David Lipscomb College; M.S., University of Tennessee

*Head, Physical Education Department  
Professor of Physical Education  
Baseball Coach*

MARCIA SMITH, B.S., University of Tennessee

*Instructor in Physical Education*

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\*Part-time Instructor.

- WILLIAM M. STARRS, B.A., M.F.A., Catholic University of America  
*Assistant Professor of English*  
*Director, "Masquers"*
- CEDRIC STRATTON, B.Sc., Nottingham University, England; Ph.D.,  
Birkbeck College, London, England  
*Associate Professor of Chemistry*
- MARY H. STRONG, A.B., University of West Virginia  
*Director, Community Services*
- ROBERT I. STROZIER, A.B., University of Georgia; M.A., Ph.D., Florida  
State University  
*Associate Professor of English*
- ROBERT T. STUBBS, B.S., M.S., Georgia Institute of Technology  
*Professor of Mathematics*
- LAWRENCE M. TAPP, B.S., M.S., University of Tennessee  
*Assistant Professor of Physical Education*  
*Basketball Coach*
- DOROTHY M. THOMPSON, A.B., Monmouth College; M.A., Northwest-  
ern University; Certificate in Psychiatric Social Work, Western  
Reserve University  
*Head, Department of Psychology and Sociology*  
*Professor of Psychology and Sociology*
- FRANCIS M. THORNE, III, B.S., Stetson University; Ph.D., University  
of Georgia  
*Associate Professor of Biology*
- JEAN WINGATE VINING, B.S., University of Georgia  
*Instructor in Shorthand, Comptometer and Typing*
- WILLIAM SWOLL WINN, B.D., A.B., Emory University; M.A., Uni-  
versity of North Carolina  
*Professor of Mathematics*
- K. C. WU, B.A., Grinnell College; M.A., Ph.D., Princeton University  
*Professor of History and Political Science*
- REGINA YOAST, B.A., Texas Christian University; B.S. in Library  
Science, Columbia University  
*Librarian*

# General Information

## Armstrong State College: *Purpose and Programs*

A college is a community of teachers and students who organize their energies for the work of the mind. Success in college means that a student has acquired those liberating skills of the mind that enable a man or woman to live the most fruitful life possible for him or her; that he has discovered the *usefulness* of those skills for understanding the world and for living in it competently and conscientiously.

Armstrong State College attempts to provide a climate where the student is induced to make connections between what he thinks and does and the best that has been thought and done. It is a climate intending to nourish the judging, critical and free man, responsible to himself and to his fellow man because he is developing and testing his own ideas and values.

Here the student works under able teachers to acquire those liberal arts, and with their aid to explore man and his world through the insights of the humanities, the natural sciences and the social sciences. For these studies are the core of every degree program.

A student chooses a program of study leading to the degree best suited to his interest and vocational goal.

Programs leading to the following degrees are offered.

### **FOUR YEAR DEGREES**

1. *Bachelor of Arts* in the fields of history and English.
2. *Bachelor of Science* in the fields of biology and chemistry.
3. *Bachelor of Business Administration* in the general field of business administration.

For these degrees the full third year will be offered in 1966-67; the full fourth year in 1967-68. The third and fourth year courses of other major fields (such as political science, mathematics, medical technology and music) will probably be offered in the near future.

### **TWO YEAR DEGREES**

4. *Associate in Arts* as preparation for higher degrees in the liberal arts and the professions. This degree is awarded to pre-professional programs leading to degrees in engineering; industrial management; medicine, medical technology, dentistry, optometry, and pharmacy; education, law, theology, journalism, and social work.

One year preparatory programs in forestry, nursing and pre-veterinary medicine are also offered.

5. *Associate in Arts: Terminal*, designed to meet the needs of those students who wish to qualify for positions in business (e.g. as secretaries or accountants) after two years of college.

One year programs in stenography and business are also offered.

## History of the College

Armstrong State College was founded on May 27, 1935, as Armstrong Junior College, by the Mayor and Aldermen of the City of Savannah to meet a long felt need for a college in the community. The College was housed in the Armstrong Building, a gift to the city from the family of George F. Armstrong, and over the years built or acquired five more buildings in the neighborhood of Forsyth Park and Monterey Square.

The College, as Armstrong College of Savannah, became a two-year unit of the University System of Georgia on January 1, 1959, under the control of the Regents of the University System.

In 1962, the Mills Bee Lane Foundation purchased a new campus site of over 200 acres, selected by the Regents. The new campus, with seven new buildings, will be occupied during the academic year 1965-66.

In 1964, the Regents conferred upon Armstrong the status of a four-year college, with the right to offer the degrees of Bachelor of Arts, Bachelor of Science, and Bachelor of Business Administration. The first degrees will be conferred in June, 1968.

The College community now includes about 1200 students and 45 faculty members (about 38% of whom possess the Ph. D. degree).

## Armstrong Evening Classes

In addition to the full daytime schedule, Armstrong offers a schedule of classes in the evening, including most of the required courses for many programs leading towards a degree.

Students employed during the day must limit their enrollment to one or two courses each quarter.

## Library

The Library's collection numbers more than 17,000 volumes, with additional unbound pamphlets and government documents. The library receives 203 periodicals, 11 periodical and bibliographic indexes and 8 newspapers. The library collection also includes approximately 500 phonograph records and 75 tapes which are available for circulation. There are three professionally trained librarians on the staff to assist faculty and students, and, with additional qualified personnel, to process the rapidly growing collection. The College expects to increase its collection to about 45,000 carefully selected volumes by 1969-70.

The library building on the new campus has many advantages over the present library quarters in Hodgson Hall. There is a seating

capacity for 580 and shelving space for 74,000 volumes. A seminar room, listening stations, individual study carrels, faculty study rooms, typing room, air conditioning and carpeted floors are some of the features that make the new library functional and attractive.

An Orientation course in the use of the library is given to all freshmen. More detailed information of present library services may be obtained in the "Armstrong College Library Handbook", available on request to the Librarian of the college.

### Office of Community Services

1. *Short Courses, Workshops and Institutes.* These are planned, organized and administered by the Office in response to group interest, or to meet a community need brought to the attention of the Director. All are offered on a non-credit basis and, except in a very few cases, there are no special requirements or prerequisites for admission. A bulletin of such courses and special events, under the heading of "The Seven-Thirty Series" is mailed out before the beginning of every quarter; anyone wishing to do so may have his name placed on this mailing list. Subjects covered vary widely; the series is designed to offer something to appeal to almost any adult taste, from Computer Programming to a survey of the leading religions of the United States. The Director is always glad to arrange courses for candidates preparing to take professional examinations in engineering, insurance, real estate and many other fields; the college has been approved as an Examination Center for a number of these examinations. One-day workshops, such as the annual Writers' Workshop, are also planned and managed by this office.
2. *University of Georgia Extension Courses.* These courses offer the opportunity to earn upper division credit from the University of Georgia. Instructors for these classes are approved by department heads and deans of the various colleges at the University, and grades are recorded in the Registrar's Office at Athens. Fee for a five quarter hour course is \$39. Applications and registrations for Extension Courses are handled by the Office of Community Services, entirely separate from Armstrong courses. The Director is also the University of Georgia representative for administering final examinations for correspondence courses taken from the University.

## Student Affairs

The Division of Student Affairs, administered by the Dean of Student Affairs, is responsible for the non-academic student services and activities. The College recognizes the importance of promoting the growth and development of the intellectual, social, spiritual, emotional, and physical aspects of the students. The Division of Student Affairs discharges these obligations through the following individuals: Admissions Officer, Registrar, Testing and Guidance Counselor, Coordinators of Student Activities, and Alumni Director.

### Admissions

The Admissions Office of Armstrong State College has as its purpose the assistance in the transition of students from high school to college. This office, administered by the Admissions Officer, provides information, evaluates records submitted, and notifies students of acceptance.

### Requirements for Admission

Applications forms for admission to Armstrong State College are provided by the Director of Admissions upon request.

An application cannot be considered until all required forms are properly executed and returned to the Admissions Office. Application forms for entrance in 1965-66 must be submitted on or before dates set forth below.

Summer Session, 1965—May 1

Fall Quarter, 1965—August 20

Winter Quarter, 1966—December 14

Spring Quarter, 1966—March 1

Summer Session, 1966—May 1 (New or Transfer)

—May 31 (Transient—Summer Only)

For preferred registration status in Fall, 1966, applications must be submitted by May 1, 1966.

With the application form must be submitted the following: application form fee, transcript, and College Entrance Examination Board scores.

The College reserves the right to terminate acceptance of applications when enrollment capacity is reached. The College further reserves the right to reject an applicant who is not a resident of the State of Georgia.

An applicant will be declared eligible for admission only upon his compliance with the following requirements and conditions:



1. The applicant must be at least sixteen years old on or before registration date and must be of good moral character. Armstrong State College reserves the right to examine and appraise the character, personality, and physical fitness of the applicant.

2. The applicant must meet one of the following conditions:

(a) Graduation from an accredited high school.

(b) Successful completion of the General Education Development Test with no score less than 45.

3. A transcript of the applicant's high school records must be submitted by the high school directly to the college.

4. The applicant must have a minimum of sixteen units as follows:

English—4

Mathematics (one must be algebra)—2

(Two years of algebra and one of geometry are needed for those entering the engineering or scientific fields.)

Science—2

Social Studies—2

Other units sufficient to graduate.

5. The Scholastic Aptitude Test of the College Entrance Examination Board is required of all applicants. Official results of this test must be filed with the Admissions Office by the final date of submitting application for the quarter for which the student wishes to enroll.

6. The Achievement Tests of the College Board also are required for those who have not completed a college course in English and/or mathematics. The tests required are English and Mathematics Level I.

7. Application Form Fee—A validating fee of \$10 must accompany each complete application form before it can be given official consideration. This fee does not bind Armstrong State College to admit the applicant nor does it indicate acceptance of the applicant's qualifications. The fee will not be credited toward the matriculation fee in the event that the applicant is accepted as a student and it will not be refunded in the event that the applicant does not enroll as a student. An applicant who fails to enroll for the quarter for which he is accepted must reapply for admission if he wishes to enter the institution at a later time by re-submission of fee by the date specified.

### Further Policies

1. When the application forms, College Entrance Examination Board scores, and other required records of the applicant are found to be complete and in order, the applicant will be evaluated on the

basis of his grades, scholastic test scores, and potential ability. His predicted grade average based on these factors must indicate that the applicant has the potential to pursue effectively the educational program of the College.

2. The College reserves the right to examine further any applicant by the use of psychological, achievement, and aptitude tests. Each applicant must give evidence of good moral character, promise of growth and development, seriousness of purpose, and a sense of social responsibility.

3. The College further reserves the right to require additional biographical data and/or an interview before the applicant is accepted or rejected. If an interview is required, the applicant will be notified.

4. The Director of Admissions may refer any applicant to the Admissions Committee of the College for study and advice. The ultimate decision as to whether an applicant shall be accepted or rejected shall be made by the Director of Admissions subject to the applicant's right of appeal as provided in the policies of the board of Regents of the University System.

5. The Director of Admissions shall, as promptly as practicable, inform the applicant of the action taken upon his application.

## Transfer Students

1. All regulations applicable to students entering college for the first time shall be applicable to students transferring from other colleges. These regulations are described in the foregoing section on Admissions.

2. A student who applies to transfer to Armstrong State College from another college shall submit the following:

- (a) Application
- (b) Fee
- (c) Transcripts of all other colleges attended.
- (d) Scholastic Aptitude Test Scores

(Beginning with the Summer Quarter of 1965, CEEB Achievement Test scores in English and mathematics will also be required for those who have not successfully completed a college course in these subjects.)

An application will not be considered for admission unless the transcript shows honorable discharge from the college last attended or unless the officials of the institution last attended recommend the applicant's admission.

3. Regulations in regard to transfer of credit:

- (a) The amount of academic credit that the College will allow for work done in another institution within a given

period of time may not exceed the normal amount of credit that could have been earned at the College during that time. A maximum of sixty (60) academic quarter hours from an accredited college may be applied in the applicant's program at Armstrong.

- (b) Courses transferred for credit from either colleges or universities must have an over-all grade of "C". Only grades of "C" or better are acceptable in Freshman English. No credit is allowed for remedial English and mathematics.
- (c) A student on probation or academic suspension at another college will not be considered by Armstrong until two (2) quarters have elapsed since date of probation or suspension.
- (d) The total number of hours that may be earned toward an associate degree by extension courses shall not exceed twenty-two and one half (22½) quarter hours.
- (e) A transient student is one who attends for the summer session only with permission from his previous college or university. A special application form is used by transient students.

### Readmission of Former Students

1. Former students who have attended other colleges.
  - (a) If a former *Transient* student, the applicant must present a new Transient Application or all grades from other schools attended since he last attended Armstrong.
  - (b) A former regular student at Armstrong who has transferred to another college must present a Transient Application or transcript of all colleges attended since leaving Armstrong.
2. Former students who have not attended another college.
  - (a) A former regular Armstrong student who has not been elsewhere may be readmitted by the Registrar's Office if
    - (1) he is in good academic standing.
    - (2) two quarters have elapsed since his first or second academic dismissal from Armstrong.
    - (3) the student bears a letter approving readmission by Committee on Academic Standing.
  - (b) No readmission is possible after a third academic dismissal.

### **Admission of Veterans**

After having been accepted at Armstrong State College and upon receipt of Certification of Eligibility and Entitlement from the Veterans Administration, veterans may attend under Public Law 815 (disabled), Public Law 894 (disabled), Public Law 634 (war orphans), or Public Law 361 (children of permanently disabled veterans). Students under Public Law 361 or 634 should be prepared to pay tuition and fees at time of registration.

### **Applicants Sponsored by Vocational Rehabilitation**

Those applicants sponsored by Vocational Rehabilitation or other community agencies must apply at least six (6) weeks before the beginning of any quarter to insure proper processing of application.

### **Foreign Students**

A student from a county other than the United States who is interested in Armstrong must meet the following requirements before application is made:

- (a) He must have met the requirements of paragraph 4, under Admission Requirements, in regard to units in the subjects required at Armstrong.
- (b) His transcript should be sent to the Admissions Office at Armstrong with an official translation.
- (c) He should take the SAT of the College Entrance Examination Board in the testing center nearest his home and ask that the result be sent to Armstrong.

If all the above requirements have been passed on favorably by Armstrong, the applicant will be sent a set of application papers. When these are received, the applicant will receive an I-20 Form (I-20A and I-10B), which he can then take to the American Consul to ask for a student visa.

Armstrong is a community college and has no dormitory or boarding facilities, so these must be arranged by any student who does not live in Savannah.

No scholarships are available for students who are not residents of Georgia. All foreign students pay non-resident fees.

### **Summer Probationary Quarter**

Armstrong State College is initiating a "Summer on Trial" program, beginning in the summer of 1965 for those who do not auto-

matically meet regular admissions standards. The student attending this program must take two subjects. If he achieves a "C" average at the conclusion of the Summer Session, he continues on in the fall as a regular student.

All application documents and the application fee must be submitted by May 1st for entrance into this program. The documents necessary are the application, transcript of grades, SAT and ACH scores.

### **Residency Requirements of the Board of Regents**

1. A student who is under 21 years of age at the time he seeks to register or re-register at the beginning of any quarter will be accepted as a resident student only upon a showing by him that his supporting parent or guardian has been legally domiciled in Georgia for a period of at least twelve months immediately preceding the date of registration or re-registration.

2. In the event that a legal resident of Georgia is appointed as the guardian of a non-resident minor, such minor will not be permitted to register as a resident until the expiration of one year from the date of the appointment, and then only upon proper showing that such appointment was not made to avoid the non-resident fee.

3. If a student is over 21 years of age, he must show that residence in Georgia was established at least one year prior to the registration date. Any period of time during which a person is enrolled as a student in an educational institution in Georgia may not be counted as a part of the year's residence herein required when it appears that the student came into the State and remained in the state for the primary purpose of attending a school or college.

Any inquiries about residency should be directed to the Admissions Office.

### **Counseling & Guidance**

A qualified Testing and Guidance Counselor is located in the Office of Student Personnel. Over the years the College has developed a comprehensive program of testing and counseling to meet the varying needs of students. This counseling program is designed to give assistance to students experiencing difficulties relating to personal problems, vocational goals, or transition to college. Nationally standardized tests of many types are made available to all students and are often used to supplement the counseling process. Although many types of guidance are available to students, the most often

requested service of this office relates to decisions affecting a student's choice of educational programs and vocations.

Academic advisers from the faculty are also assigned to new and returning students to assist them in planning their academic course of study.

The Student Personnel Office also provides information on available part-time job openings, scholarships, loans, assistantships, and financial aid of various kinds which is available to students. A student's use of any of these services is voluntary and confidential.

## Financial Aid

Through an expanding program of financial aid, Armstrong State College is able to assist well-qualified students in attaining their goal of a higher education. The Student Personnel Office, through a combination of scholarships, short-term loans, and student employment, tries to make it possible for all students with limited resources to attend college.

Financial aid is awarded on the basis of financial need, scholastic achievement, and character. Scholarships are awarded primarily to students of high ability who are in need. Students with satisfactorily academic records are eligible to be considered for available, part-time work on campus. Short-term loan funds to defray registration expenses are also available to students.

Armstrong State College uses the College Scholarship Service which evaluates the Parents' Confidential Statement. Freshmen may secure this form from the local high school counselor or from the College Scholarship Service, P. O. Box 176, Princeton, New Jersey. Applications which do not include this financial data are incomplete and cannot be considered. Applications for scholarships must be filed before May 14 (except April 30 for Regents Scholarships). Final action cannot be taken until the applicants have been accepted for admission to the college; thus, early application is urged.

## Scholarships

A number of scholarships are made available each year through the generosity of Savannah civic and business groups. These scholarships range in amount from \$100 to \$338 per year. Available scholarships for the 1965-66 school year are as follows:

Alpha Tau Beta

Armstrong State College Alumni Association

Chatham County Teachers' Association

Chatham Education Association Scholarship

Edward McGuire Gordon Memorial Scholarship

Junior Chamber of Commerce  
Arthur Lucas Memorial Scholarships  
Pilot Club of Savannah  
Rebel Chapter, American Businesswomen's Club.  
Savannah Gas Company  
Harry G. Strachan, III, Memorial Scholarship

### Regents' Scholarships

Another source of scholarship aid for students who are residents of the State of Georgia is the Regents' Scholarship. These scholarships are awarded to superior students who are in need of financial assistance to attend college. To be eligible for a Regents' Scholarship a student must have grades or predicted grades that place him in the upper 25% of his class. Recipients of Regents' Scholarships are expected, upon completion of their program of study, to reside in the State of Georgia for a period of one year for each \$1,000 of scholarship aid received.

Further information on these scholarships and application forms may be obtained from the Student Personnel Office at the College.

The deadline for applying for the Regents' Scholarships is April 30.

### Other Sources of Financial Aid to Armstrong State College

Solomon's Lodge No. 1, F. & A.M. Scholarships—Two scholarships for \$240 each to be awarded to a graduate of a tax-supported high school. Apply to: Committee on Scholarship Awards, Solomon's Lodge No. 1, F. & A.M., P. O. Box 1711, Savannah, Georgia.

Savannah Chapter, National Secretaries Association—One scholarship covering tuition, fees and expenses, for a female student majoring in secretarial science. Apply to: High School Counselor or typing teacher.

William F. Cooper Education Fund—Provides scholarships to female students in all fields except law, theology, and medicine (nursing and medical technology are acceptable). Apply to: Trust Department, Savannah Bank & Trust Company, between April 1 and May 31.

State Teachers' Scholarships—Provide scholarship funds for students who will enter the field of teaching in the State of Georgia. Apply to: Georgia State Teachers' Scholarship Program, State Department of Education, Room 247, State Office Building, Atlanta 3, Georgia.

Ty Cobb Education Foundation Scholarship—Provides scholarship aid for residents of the State of Georgia who have completed their freshman year in college. Apply to: Ty Cobb Educational Foundation Scholarships, Room 454, 244 Washington Street, S. W., Atlanta 3, Georgia.

Pickett & Hatcher Educational Fund — Provides *loans* at reasonable interest rates to students in need of such aid to attend college. Apply to: Pickett & Hatcher Educational Fund, P.O. Box 1238, Columbus, Ga.

Savannah Pharmaceutical Association Scholarship — One scholarship for \$200.00 for a freshman student majoring in pre-pharmacy to attend Armstrong College (or the University of Georgia). Apply to: Mr. Thomas C. Crumbley, Chairman, Scholarship Committee, Savannah Pharmaceutical Association, c/o Crumbley's Pharmacy, 1502 Waters Avenue, Savannah, Georgia.

Chatham Artillery Scholarships — A number of scholarships for \$250.00 each to members of the Chatham Artillery attending college full-time. Apply to the Chatham Artillery.

State Department of Vocational Rehabilitation — Students who have had a physical or emotional handicap, and have been treated successfully, and are considered acceptable for vocational rehabilitation, may receive financial assistance to attend college through the State Department of Vocational Rehabilitation. Apply to: 35 Abercorn Street, Savannah, Georgia.

### **Student Assistantships**

A limited amount of financial aid is available to students through the Economic Opportunity Act and the College Student Assistantship Program. Through these programs a number of part-time, on campus, jobs are made available to students. Interested individuals should contact the Student Personnel Office prior to the beginning of each quarter.

The Student Personnel Office also maintains a file of available part-time jobs in the community and is glad to assist students, whenever practicable, in locating outside work.

### **Registrar**

The Registrar's Office provides factual information on students regarding their records, academic standing, and progress toward degree requirements.



## Alumni Office

The prime purpose of the Alumni Office is to keep former students informed about the college, and to help them keep in touch with each other. Any person who at any time was matriculated as a regular student is eligible for membership in the Alumni Society, and upon payment of his dues will receive the quarterly newsletter, "The Geechee Gazette," and may vote and hold office in the society. The Alumni Office assists in arranging class reunions, board meetings, and other functions.

## Student Activities

In addition to the academic side of college life, Armstrong State College offers a complete program of extra-curricular student activities designed to contribute to the development of the student and assist him in becoming an active and helpful member of the community. This program is administered by the college through the office of the Dean of Student Affairs.

## **Student Government**

The Student Senate is the governing body for student activities at Armstrong State College. It is comprised of elected representatives of all campus organizations recognized by the Senate. It is the function of the Student Senate to co-ordinate, direct, and control student activities and organizations at Armstrong. It is presently undergoing a number of changes which will enable it to better serve the student body.

## **Clubs & Organizations**

College organizations include a dramatic club, a Glee Club, five religious clubs, a Debate Forum, and other groups promoting interest in certain phases of the academic program or specific career fields.

The Masquers offer membership to all students and faculty members interested in any phase of the theatre: acting, designing, lighting, make-up, costuming, and other production skills. The Masquers possess a well equipped theater, and are under the direction of a professional dramatics director. They produce a number of plays for the community annually.

The Armstrong Glee Club is composed of students who enjoy singing and desire the satisfaction to be gained from group singing.

Besides two yearly concerts at the college, the Glee Club has produced musicals with the Armstrong Masquers and sung for many civic groups in Savannah.

### **Student Publications**

There are two student publications at Armstrong State College, The Inkwell, a newspaper, and the 'Geechee,' the college annual. These afford the students an opportunity to express themselves through creative writing, layout and art work, and to gain experience in these and other journalistic activities.

### **Athletic Activities**

Armstrong College participates in intercollegiate sports competition in basketball, golf and baseball. Other sports at the college, such as volleyball, bowling, tennis, golf, softball, etc., are offered on an intramural basis with competition between volunteer intramural teams or between other interested campus organizations. All are encouraged to take part in the program.

### **Student Center**

The Student Center is housed in the Hunt Building and is open throughout the day. During school hours short orders and light lunches may be purchased at reasonable prices. The Center also provides recreational facilities and houses the Book Store.

## **FEES**

### **Application Fee**

The Application Fee of \$10.00 is made by all students at the time of initial application for admission to Armstrong State College. The acceptance of the Application Fee does not constitute acceptance of student. This fee is not refundable.

### **Matriculation Fee**

The Matriculation Fee for students registering for the normal course load of fifteen hours is \$60.00. Special students (those carrying less than 12 credit hours in a quarter) will pay at the rate of \$5.00 per quarter hour in Matriculation Fee.

### **Out of State Tuition**

Non-residents of Georgia must pay a fee of \$100.00 per quarter in addition to all regular fees. Special students (those carrying less than 12 credit hours in a quarter) who are not legal residents of the State of Georgia will pay at the rate of \$8.00 per quarter hour Out-of-State Fee in addition to all regular fees.

### **Student Activity Fee**

There will be a Student Activity Fee of \$10.00 per quarter for students registering for a course load of ten or more quarter hours. Special students carrying less than ten credit hours in a quarter will pay at the rate of \$1.00 per quarter hour. This fee is not refundable, and is effective at the beginning of the Fall Quarter, 1965.

### **Late Registration Fee**

In the Summer Session a late registration fee of \$4.00 will be charged to students registering on the first day of class and a fee of \$5.00 will be charged for registrations completed on the last day to register for credit.

In the Fall, Winter and Spring Quarters a late registration fee of \$3.00 will be charged to students registering on the date listed in the catalog as the date on which classes begin. A fee of \$4.00 will be charged for registrations completed on the day following the date on which classes begin. A fee of \$5.00 will be charged for registrations completed on the date listed in the catalog as the "last day to register for credit."

### **Change of Schedule Fee**

A fee of \$2.00 is charged for the changing of a student's schedule after the registration cards have been processed. No charge is made if the change is initiated by the College. This fee is not refundable.

### **Graduation Fee**

A Graduation Fee of \$7.50 will be collected from each candidate for graduation.

### **Transcript Fee**

Each student is entitled to one official transcript of his college work. The charge for additional copies is \$1.00 each.

### **Music Fees**

Students enrolled in Applied Music Courses will be required to pay a special fee. The fees are indicated in the description of courses found under "Course Descriptions" elsewhere in this bulletin.

### **Make-up Test Fee**

For cause, a student may arrange with an instructor to make up an announced quiz or final examination. The arrangements to make up the announced test must be made within one week after the student returns to college.

A fee of \$2.00 is charged for the making up of any announced quiz and a fee of \$5.00 for a make-up final examination and laboratory examinations, except as shown below. The total charges to any one student for a final make-up examination in a given subject shall not exceed \$5.00. All fees will be paid to the Business Office.

The conditions under which fees for make-up quizzes and final examinations will not be charged are as follows: The student was absent (1) on official college business; (2) due to illness; (3) because of death in the family; or (4) in observing religious holidays.

The student's reasons for claiming exemption from paying the fee must be presented in writing to the instructor.

### **Short Courses**

Fees are announced for each course when the course is announced. No refund can be made for withdrawal from a course.

### Summary of Fees

Matriculation, per quarter .....	\$ 60.00
Student Activity, per quarter.....	10.00
<hr/>	
TOTAL FOR GEORGIA RESIDENTS .....	\$ 70.00
Out of State Tuition, per quarter.....	100.00
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TOTAL FOR NON-RESIDENTS .....	\$170.00
Matriculation, Special Students, per quarter hour .....	5.00
Student Activity Fee, Special Students, per quarter hour .....	1.00
Non-Resident Tuition, Special Students, per quarter .....	
hour (in addition to Matriculation Fee).....	8.00

### Privilege Fees

Application Fee .....	\$ 5.00
Late Registration—Maximum .....	5.00
Special Examinations .....	2.00
Final Examinations .....	5.00
Graduation .....	7.50
Transcript, first one free, each additional .....	1.00
Change of Schedule.....	2.00

### Refunds

Refunds of fees will be made only upon written application for withdrawal from school. No refunds will be made to students dropping a course. Students who formally withdraw during one week following the scheduled registration date are entitled to a refund of 80% of the fees paid for that quarter. Students who formally withdraw during the period between one and two weeks after the scheduled registration date are entitled to a refund of 60% of the fees paid for that quarter. Students who formally withdraw between two and three weeks after the scheduled registration date are entitled to a refund of 40% of the fees paid for that quarter. Students who formally withdraw during the period between three and four weeks after the scheduled registration date are entitled to a refund of 20% of the fees paid for that quarter. Students who withdraw after a period of four weeks has elapsed from the scheduled registration date will be entitled to no refund of any part of the fees paid for that quarter.

Students who formally withdraw from the Summer Session are entitled to refunds as follows:

Withdrawal on 1st, 2nd or 3rd day of first week.....	80% refund of fees paid
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Withdrawal on 4th or 5th day of first week.....	60% refund of fees paid
Withdrawal on 1st, 2nd or 3rd day of second week.....	40% refund of fees paid
Withdrawal on 4th or 5th day of second week.....	20% refund of fees paid

*Fees and Charges are Subject to Change at the End of any Quarter*

Any student delinquent in the payment of any fee due the college will have grade reports and transcripts of records held up, and will not be allowed to re-register at the college for a new quarter until the delinquency has been removed.

Fees for each quarter are to be paid in full at the time of registration.

If a check is not paid on presentation to the bank on which it is drawn, the student's registration will be cancelled and the student may re-register only on payment of a \$5.00 service charge.

# Regulations

## Faculty Advisers

The Academic Dean's Office assigns a faculty adviser to every student enrolled in day or evening classes. Before registering for classes each quarter a student must consult his adviser and receive his written approval for the courses in which the student plans to enroll.

## Pre-Advisement

At announced times during each quarter a student may be pre-advised for his courses for the following quarter. The dates for pre-advisement with his faculty adviser are given in the calendar of this *Bulletin*. Instructions will be published quarterly.

## Advanced Placement

Armstrong State College gives advanced placement, or in some cases college credit, for college level high school courses, on the basis of the high school teacher's recommendation, the student's grade on the Advanced Placement Examination, and approval by the department chairman of Armstrong State College.

## Armstrong State College/High School Accelerated Program

This program marks a new venture for this community in which college and high school join to challenge intellectually able young men and women to test their interests and their capacity to learn.

### The Program

High school students who have completed the eleventh grade, who have met the criteria for admission to this program and who maintain its standards will be permitted to enroll in one course each quarter at Armstrong State College while they complete the senior year of high school. Upon graduation from high school, these students will be admitted upon application as regular students of the College and will be given full college credit for the courses taken at Armstrong.

Through this program, a student may complete over two-thirds of the freshman year of college before he begins his regular college career.

The maximum number of college courses possible is:

Summer	1 course ( 5 qtr. hours)
Fall	1 course ( 5 qtr. hours)
Winter	1 course ( 5 qtr. hours)
Spring	1 course ( 5 qtr. hours)
Summer (following high school graduation and admission to Armstrong)	3 courses (15 qtr. hours)
	7 courses (35 qtr. hours)

### The College Courses

Every student accepted in this program must take *English 101: Composition* as his first course. Thereafter he may choose any freshman course, with permission of his college adviser.

### Criteria of Admission

The College will consider a student for this program *only* upon recommendation of his high school principal. In the view of the College, it is only the principal who can judge the circumstances that may make the program valuable and practicable for any student.

To be admitted to the program a student must satisfy all of these criteria:

1. recommendation by the Principal of the high school;
2. completion of the eleventh grade in an accredited high school;
3. a combined verbal and math score of 1000 on SEEB tests;
4. an average grade of B or better in academic subjects (English, mathematics, science, social studies, languages) through the ninth, tenth and eleventh grades as averaged by the College Admissions Office;
5. written permission of the parents.

### Standards

A student forfeits the privilege of this program if in any quarter his grade in the college course is below C or his high school average in academic courses is below B.

### Procedure for Admission

A high school principal may recommend students following the fifth six-week period of the students' eleventh year. The recommendation to the College must be made by May 15th if the student intends to begin in the summer. The principal may recommend following the full eleventh year by August 15th if the student intends to begin in the fall.



## Placement Tests

To help a student select a definite objective early in his college program, the Armstrong staff administers to each entering freshman a series of interest and achievement tests. Achievement tests in English and mathematics are administered prior to admission. Placement in English and mathematics courses is determined on the basis of the student's high school record and the scores on these tests. Interest tests are administered during Freshman Week. On the basis of these objective measurements, the student's previous record, and his interest, the student with the aid of his adviser decides on a program of study which will enable him to accomplish his purpose.

### Placement in "English 100"

On the basis of entrance test scores and high school record, certain students will be required to take "English 100" in their first quarter. This course must be completed with a grade of at least "C" before these students may register for any other English course. "English 100" may be repeated once, but only in the following quarter.

## Physical Education Program

All day students who are carrying as many as 10 quarter hours and (or) are candidates for diplomas or certificates are required to attain credit for six physical education courses, one each quarter. A student graduating in less than six quarters may reduce the physical education requirements accordingly. Regular courses should be taken in proper sequence and two required courses should not be scheduled in any one quarter.

Students planning a one-year program may choose any three of the required physical education courses.

A student who has served a minimum of three months in the military services shall be exempt from Physical Education 111. A student who has served a minimum of six months in the military services shall be exempt from Physical Education 111 and 112. Proof of service time shall be presented to the Physical Education Department.

In order for a day student to be excused from any one physical education course, he must have his or her doctor sign a special form. A student who does not plan to graduate from Armstrong State College will be allowed to register for any quarter without physical education providing he or she signs the form provided by the Physical Education Department. No student may register without a required physical education course except with written permission from the Physical Education Department.

The physical education department requires all students to make up all excused absences. Any unexcused absence from class will result in a lower final grade.

Physical education is not required of students in the evening program, nor of students beyond the age of 25.

### **Course Load**

The unit of work for a regular student is 16-17 quarter hours per quarter. A schedule of sixteen quarter hours presupposes that the average student will devote approximately forty-eight hours per week to his college classes and to his preparation therefor.

Except in engineering, permission to enroll for more than 17 quarter hours will be granted only to students who have a "B" average for the preceding quarter. The quarter just prior to graduation, a student may take an extra course which is necessary to meet requirements for graduation. No student will be allowed to register for more than 21 hours in any one quarter.

No student who is employed full-time will be allowed to take more than 11 quarter hours of work in the fall, winter or spring quarter unless he has better than a "B" average in the last quarter for which grades are available. No student may enroll for more than ten quarter hours of credit in the Summer Session. This regulation does not apply to transient students who are regularly enrolled in another institution.

### **Auditing**

A student wishing to "audit" a course without receiving credit must obtain the written permission of the instructor before he registers for the course. (Policy for some courses forbids "auditing") An "auditor" cannot change to regular credit status after the first week of class. A student who registers for a course as an "auditor" receives no credit, "N. C.", on his transcript. Regular schedules of fees apply to auditors.

### **Admission to Class**

A student will be admitted to class when the instructor is furnished an official class card indicating that the student has completed his registration and paid his fees in the Business Office.

### **Conduct**

Compliance with the regulations of the faculty and the Regents of University System of Georgia is assumed. Gambling, hazing, and the use on the campus of intoxicating beverages are prohibited.

## Attendance

At Armstrong a student's responsibility towards a course includes all that transpires in class sessions as well as the subject matter of the course. Any absence whatsoever from class work entails a loss to the student.

An absence may be excused by the instructor if the student is absent

- (1) on official college business,
- (2) due to illness (with a doctor's certification),
- (3) because of death in the immediate family,
- (4) in observing religious holidays.

A student who has been absent from class for such a valid reason should present a written statement to his instructor.

Excuses must be submitted within seven days from the date the student returns to school; otherwise the absence will not be excused.

Absences for other serious reasons, equal in number to the times the class meets in one week, *will* be allowed without written excuse before *a student is dropped from class*.

The instructor will notify the Registrar's Office when a student should be dropped. The Registrar's Office will notify the student. A student who is dropped within three weeks after the beginning of the quarter will automatically receive a grade of W. A student who is dropped after the third week of the quarter will receive either a W or a W/F depending upon his status at the time he withdraws or is dropped from class.

A student will be penalized for unexcused absences from the first day the class meets (even though registration is not yet completed), unless one of the four valid excuses applies.

Any student whose absences *for any cause* exceed one third of the number of times the class meets in the quarter will be dropped from the class. The student will be given W or W/F depending upon his academic status at the time he is dropped.

## Withdrawals

A formal withdrawal, presented to the Registrar in writing, is a pre-requisite for honorable dismissal from, or re-entrance into this institution. Any student planning to withdraw should immediately make such an intention known to the Registrar in writing. This notice is required to receive any authorized refunds. A refund will be considered only from date of notice.

A student should formally withdraw from any class by securing the permission of the Student Personnel Officer and of his instructor.

This written approval should be filed in the Registrar's office. A student who withdraws within three weeks after the beginning of the quarter will automatically receive a grade of W. A student who withdraws after the 3rd week of the quarter will receive a W or W/F depending upon his status at the time the student withdraws or is dropped from class.

## Reports and Grades

It is felt by the faculty that students in college should be held accountable for their scholarship. Accordingly, grade reports, warnings of deficient scholarship and all such notices are not sent to parents or guardians by the Registrar except on request. Instead the students themselves receive these reports and are expected to contact their advisers whenever their work is unsatisfactory. Report cards are issued at the end of each quarter. Reports of grades are issued in the middle of each quarter. Each student has access to an adviser; in addition, the Registrar and all instructors are available to help any student seeking assistance.

Reports are based on the following system of grading:

Numerical Span		Honor Points
A+	95 - 100	4.5
A	90 - 94	4
B+	85 - 89	3.5
B	80 - 84	3
C+	75 - 79	2.5
C	70 - 74	2
D+	65 - 69	1.5
D	60 - 64	1
F	Below 60	0
I	Incomplete	
W	Withdrew with no grade	
WF	Withdrew failing	
NC	No credit	

A student who receives an "I" (incomplete grade) should consult his instructor at once and arrange to complete the requirements of the course. An "I" grade which has not been removed by the middle of the succeeding quarter automatically becomes an "F".

## Honors

*Dean's List:* Students enrolled for at least ten hours of course work who earn an honor point average of 3.0 or above will be placed on the Dean's List which is published quarterly.

*Permanent Dean's List:* At the completion of forty-five hours of course work, students with an honor point average of at least 3.0

will be placed on the Permanent Dean's List which is published yearly in June. Sophomores completing forty-five hours (to make a total of ninety) and earning an honor point average of 3.0 will be placed on the Permanent Dean's List.

Students eligible under the above categories and earning an honor point average of 3.96 or above will be placed on the Permanent Dean's List and designated *With Distinction*.

### Honors at Graduation

*Summa Cum Laude*: Students who are graduating with an honor point average of 3.96 or above will be designated as graduating *summa cum laude*.

*Cum Laude*: Those students graduating with an honor point average of from 3.0 to 3.96 will be graduated *cum laude*.

*Valedictorian*: The valedictorian will be selected by the graduating class from the five students with the highest academic average in the work completed up to the quarter just prior to graduation.

### Academic Probation and Dismissal

A student failing to maintain the following grade point averages on all work attempted at Armstrong College will be placed on academic probation for two quarters.

Quarter Hours	Grade Point Average
45	1.6
90	1.8
135	1.9
180	2.0

Academic probation requires that a student maintain a grade point average of at least 2.0 for each of two successive quarters. Failure to meet the requirements of such probation will result in the dismissal of the student for two quarters.

A full-time student (one who enrolls for 12 or more quarter hours) who fails to pass at least one course other than physical education in any quarter will be dismissed from the college for two quarters. A part-time student (one who enrolls for less than 12 quarter hours) who fails to pass at least one course other than physical education in two successive quarters will be dismissed from the college for two quarters. A grade of "E" (incomplete) will be considered an "F" until it is removed.

A student re-entering the college after academic dismissal will be placed on academic probation for two successive quarters.

The Summer Session will be considered a normal quarter for the above regulations.

A student dismissed for academic reasons may appeal his dismissal to the Committee on Academic Standing. Such appeals must be made in writing to the Committee (addressed to the Secretary), should state the nature of all extenuating circumstances relating to his academic deficiency, and must be received by the Committee by the time of its announced meeting.

A third dismissal for failure to meet the academic standards of the college shall in all cases be final.

### Requirements for Graduation

The requirements for graduation from Armstrong State College are listed below:

1. The student will complete a program of study listed elsewhere in the catalog under "Programs of Study" with a grade point average of 2.0 on work taken at Armstrong. Any exceptions to a program may be referred by a student's adviser to the Academic Dean.
2. The final 45 quarter hours of the work required for graduation shall be completed at Armstrong State College.
3. By state law one of the requirements for a diploma or certificate from schools supported by the State of Georgia is a demonstration of proficiency in United States history and government and in Georgia history and government. A student at Armstrong may demonstrate such proficiency by passing
  - 1) Political Science 113 *and* History 351 *or* History 352,
  - or 2) A two hour examination in United States and Georgia history and government.
4. When exceptions to prerequisites for courses are made, permission may be granted only by the head of the department concerned. A recommendation regarding any request for exception to prerequisites for courses must be made to the department head by the course instructor. This need not be binding upon the department head.

Candidates for graduation will make application in the Registrar's Office one quarter prior to the expected date of graduation.

### Recommendations

The recommendations issued by the college are based on the grades the student earns and his student records.

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The files of the Registrar's office which include all permanent records are consulted regularly by representatives of the Federal Bureau of Investigation, the Civil Service, the local Credit Bureau and other agencies having access to confidential records. A good college record is of vital importance to a student.

# Programs of Study

Beginning in June, 1968, the Degrees of Bachelor of Arts, Bachelor of Science, and Bachelor of Business Administration will be conferred upon students completing all requirements for those degrees.

The Degree of Associate in Arts will be conferred upon students completing all requirements of a two year program.

Before registration every student must plan a program of study with a faculty adviser appointed by the Academic Dean. Even if a student knows what courses are required in his program, he must have on record in the office of his adviser a copy of his program. Before a student may change his planned program he must consult his adviser.

If a student plans to transfer to another college before graduation, he should acquire the catalog of that college in order to determine what courses must be completed at Armstrong to meet the degree requirements of the college to which he may transfer.

A student planning to receive either the Bachelor's degree or the Associate in Arts degree is responsible for securing approval for his program from his adviser and the Registrar two quarters prior to the expected date of graduation.

Courses numbered 100 to 199 are generally planned for the freshman level; courses numbered 200 to 299 for the sophomore level; courses numbered 300 to 399 for the junior level; courses numbered 400-499 for the senior level.

## Four Year Programs Leading to the Bachelor's Degree

For the Bachelor of Arts, the Bachelor of Science or the Bachelor of Business Administration degree, a minimum of 185 quarter hours, exclusive of physical education, will be required for graduation.

### *Bachelor of Arts Degree: Total Requirements*

For graduation with the degree of Bachelor of Arts, the minimum requirements in the various fields of study will be:

I. <i>Humanities</i>	
A. Freshman English .....	10
B. Literature of the Western World.....	20
C. Foreign Language .....	10-20
D. Fine Arts .....	5



II. *Social Studies*

A. History of Civilization .....	10
History of the United States.....	10
B. Political Science: American Government.....	5
C. Three courses from at least two of the following fields:	
Anthropology	
Economics	
Philosophy	
Political Science	
Psychology	
Sociology .....	15
	—
	40

III. *Natural Sciences*

A. Mathematics (algebra) .....	5
Logic or Mathematics.....	5
B. Laboratory Science .....	10
	—
	20

IV. Major Field .....

V. Closely related fields (300 and 400 courses).....

VI. Electives .....

VII. Physical Education .....

***Bachelor of Science Degree: Total Requirements***

For graduation with the degree of Bachelor of Science, the minimum requirements in the various fields of study will be:

I. *Humanities*

A. Freshman English .....	10
B. Literature of the Western World.....	10
C. Foreign Language .....	10-15

—  
30-35

II. <i>Social Science</i>	
A. History of Civilization.....	10
History of the United States.....	5
B. Political Science: American Government.....	5
C. Two courses from two of the following fields:	
Anthropology	
Economics	
Philosophy	
Psychology	
Sociology .....	10
	—
	30
III. <i>Natural Sciences</i>	
A. Mathematics (algebra and trigonometry).....	10
B. Laboratory Science .....	20
	—
	30
IV. Major .....	30-40
V. Closely related fields.....	25-35
VI. Electives .....	5-20
VII. Physical Education .....	6

### ***Bachelor of Business Administration Degree:*** **Total Requirements**

For graduation with the degree of Bachelor of Business Administration the minimum requirements in the various fields of study will be:

I. <i>Humanities</i>	
A. Freshman English .....	10
B. Literature of the Western World.....	10
	—
	20
II. <i>Social Sciences</i>	
A. History of Civilization.....	10
History of the United States.....	5
B. Political Science: American Government .....	5
	—
	20

III. <i>Natural Sciences</i>	
A. Mathematics (algebra) .....	5
Logic or Finite Mathematics .....	5
B. Laboratory Science .....	10
	—
	20
Electives from the Humanities, the Social Sciences, or Natural Sciences .....	15
IV. Freshman and Sophomore Business Administration requirements:	
Business Correspondence .....	5
Principles of Accounting.....	10
Principles of Management.....	5
Principles of Economics.....	10
Economic History of the United States.....	5
	—
	35
V. Junior core requirements:	
Business Law .....	5
Corporation Finance .....	5
Marketing .....	5
Statistics .....	5
Money and Banking.....	5
Government and Business.....	5
Labor Economics .....	5
	—
	35
VI. Major Concentration .....	
	30
1. <i>Accounting</i>	
Intermediate Accounting	
Cost Accounting	
Tax Accounting	
Auditing	
Accounting Systems	
Business Law	
2. <i>Business Education</i>	

3. *Economics*

Intermediate Economic Theory

Advanced Economic Theory

Investments

Business Cycles

Comparative Economic Systems

Monetary Theory

International Trade

Contemporary Economic Problems

VII. Free Electives ..... 10

## Two Year Programs Leading to the Associate in Arts Degree

The following courses are required in all programs leading to the degree of Associate in Arts:

English 101, 102; 201, 202 (in certain terminal programs English 228 may be substituted for English 102, 201, or 202);

History 114, 115;

Natural sciences (ten quarter hours from biology, chemistry, physics, and physical science);

Physical Education 111, 112, 113, and any three courses numbered in the 200's. (For exceptions to requirements for physical education, see Regulations, p. 35.)

Knowledge of United States history and government and of Georgia history and government must be demonstrated in order to receive a degree or certificate.

### Business Administration (1)

First Year	Second Year
English 101, 102 ..... 10	English 201, 202 ..... 10
History 114, 115 ..... 10	Physical Education ..... 3
Physical Education 111, 112, 113.. 3	Business Administration 101, 102.. 10
Laboratory Science ..... 10	Economics 101, 102 ..... 10
Mathematics 101 ..... 5	Political Science 113 ..... 5
Mathematics 103 ..... 5	Business Administration 260 ..... 5
Business Administration 115 ..... 5	Elective ..... 5
TOTAL..... 48	TOTAL..... 48

### Chemistry (30)

First Year	Second Year
Chemistry 121, 122 ..... 10	Chemistry 281, 340, 341..... 7
Chemistry 281 ..... 5	Mathematics 201, 202 ..... 10
Mathematics 101, 102 ..... 10	History 114, 115 ..... 10
Mathematics 104 ..... 5	English 201, 202 ..... 10
English 101, 102 ..... 10	Physics 204, 205, 206 ..... 15
Political Science 113 ..... 5	(or 207, 208, 209 ..... 18)
Physical Education 111, 112, 113.. 3	Physical Education ..... 3
TOTAL..... 48	TOTAL..... 55

## Engineering (2)

This program will satisfy degree requirements for most types of engineering. The courses required for the freshman year have been planned in consultation with the Georgia Institute of Technology.

First Year	Second Year
English 101, 102 ..... 10	English 201, 202 ..... 10
Physical Education 111, 112, 113.. 3	Physical Education ..... 3
Chemistry 121, 122 ..... 10	Mathematics 201, 202, 203 ..... 15
Mathematics 101, 102, 104 ..... 15	Physics 207, 208, 209 ..... 18
Chemistry 281 ..... 5	History 114, 115 ..... 10
Engineering 113, 114, 115..... 6	Political Science 113 ..... 5
TOTAL ..... 49	TOTAL ..... 61

## Industrial Management (5)

This program will satisfy degree requirements for the first two years of this field of engineering.

First Year	Second Year
English 101, 102 ..... 10	English 201, 202 ..... 10
History 114 ..... 5	Physical Education ..... 3
Physical Education 111, 112, 113.. 3	History 115 ..... 5
Chemistry 121, 122 ..... 10	Business Administration 101, 102.. 10
Chemistry 281 ..... 5	Economics 101, 102 ..... 10
Engineering 113, 114, 115 ..... 6	Mathematics 103 ..... 5
Mathematics 101, 102, 104 ..... 15	Physics 204, 205, 206 ..... 15
TOTAL ..... 54	TOTAL ..... 58

## Liberal Arts (6)

This program is recommended for candidates for the A.B. degree, pre-education, pre-law, pre-ministerial, journalism, social work, and other pre-professional concentrations.

First Year	Second Year
English 101, 102 ..... 10	English 201, 202 ..... 10
History 114, 115 ..... 10	Physical Education ..... 3
Physical Education 111, 112, 113.. 3	Science with laboratory ..... 10
*Science ..... 10	Two of the following courses—
Mathematics 101 ..... 5	History 225
Mathematics 102 ..... 5	Political Science 113
*Foreign Language ..... 10	Psychology 201
TOTAL ..... 53	Sociology 201
	Economics 101
	Philosophy 110 ..... 10
	Electives ..... 10
	TOTAL ..... 43

\*A student applying for admission to a senior college which does not require the amount indicated of this subject may, with the approval of his adviser, substitute other courses required by the senior institution during the first two years.

### Mathematics (7)

A program designed for those students who wish to major in mathematics.

#### First Year

English 101, 102 .....	10
History 114, 115 .....	10
Physical Education 111, 112, 113..	3
Chemistry or Biology .....	10
Mathematics 101 .....	5
Mathematics 102 .....	5
Mathematics 104 .....	5
<b>TOTAL</b> .....	<b>48</b>

#### Second Year

English 201, 202 .....	10
Mathematics 201, 202, 203 .....	15
Mathematics 235 .....	5
Physical Education .....	3
Physics 207, 208, 209 .....	10
Electives .....	5
<b>TOTAL</b> .....	<b>48</b>

### Medical Technology (8)

This program is designed for those students who desire a Bachelor of Science degree in Medical Technology.

#### First Year

English 101, 102 .....	10
Zoology 124, 226 .....	10
Mathematics 101, 102 .....	10
Chemistry 121, 122, 281 .....	15
Physical Education 111, 112, 113..	3
<b>TOTAL</b> .....	<b>48</b>

#### Second Year

English 201, 202 .....	10
Zoology 356 .....	6
History 114, 115 .....	10
French or German 101-102 .....	10
***Electives .....	10
Physical Education .....	3
<b>TOTAL</b> .....	<b>49</b>

### Physical Education (9)

#### First Year

English 101, 102 .....	10
History 114, 115 .....	10
Physical Education 111, 112, 113..	3
Zoology 124, 225 .....	10
Home Economics 232—Nutrition ..	5
Mathematics 9 or 101 .....	5
*Electives .....	5
<b>TOTAL</b> .....	<b>48</b>

#### Second Year

English 201, 202 .....	10
Physical Education .....	3
Zoology 108, 109 .....	10
**Physical Education 203 .....	2
Physical Education 114 .....	2
Psychology 201 .....	5
Psychology 202 .....	5
Sociology 202 .....	5
Electives .....	6
<b>TOTAL</b> .....	<b>48</b>

\*It is recommended that English 228 be taken as an elective course.

\*\*The student is exempt from this course if he has a Red Cross "Senior Life Saving Certificate."

\*\*\*It is recommended that Zoology 225 be taken as an elective course.

## Physics (10)

A program designed for those students who wish to major in Physics.

First Year	Second Year
English 101, 102 .....	English 201, 202 .....
Physical Education 111, 112, 113..	Physical Education .....
Chemistry 121, 122, 281 .....	Mathematics 201, 202, 203 .....
Mathematics 101 .....	Physics 207, 208, 209 .....
Mathematics 102 .....	History 114, 115 .....
Mathematics 104 .....	Political Science 113 .....
Engineering 113, 114, 115 .....	
TOTAL .....	TOTAL .....
49	61

## Pre-professional: Dentistry (11)

This program is designed for those students who wish to prepare themselves for the study of Dentistry after completing three or more years of academic studies.

First Year	Second Year
English 101, 102 .....	English 201, 202 .....
Zoology 124, 226 .....	History 114, 115 .....
Mathematics 101, 102 .....	Zoology 230 .....
Chemistry 121, 122, 281 .....	French or German 101, 102 .....
Physical Education 111, 112, 113..	*Electives .....
	Physical Education .....
TOTAL .....	TOTAL .....
48	49

## Pre-professional: Medicine (12)

This program is designed for those students who wish to prepare themselves for the study of medicine after completing three or more years of academic studies.

First Year	Second Year
English 101, 102 .....	English 201, 202 .....
Zoology 124, 226 .....	Zoology 356 .....
Chemistry 121, 122, 281 .....	French or German 101, 102 .....
Mathematics 101, 102 .....	History 114, 115 .....
Physical Education 111, 112, 113..	*Electives .....
	Physical Education .....
TOTAL .....	TOTAL .....
48	49

\*It is recommended that Zoology 225 be taken as an elective course.



**Pre-professional: Optometry (14)**

The requirements for admission to the schools and colleges of optometry in the United States are relatively uniform but are not identical. The practice of optometry in all states is regulated by Boards of Examiners in Optometry. The following concentration will prepare a student for transfer to any school or college of optometry in the United States and Canada.

First Year	Second Year
English 101, 102 ..... 10	English 201, 202 ..... 10
History 114, 115 ..... 10	Zoology 356 ..... 6
Zoology 124, 226 ..... 10	Mathematics 102, 104 ..... 10
Chemistry 121, 122 ..... 10	Sociology 201 ..... 5
Mathematics 101 ..... 5	Psychology 201 ..... 5
Physical Education 111, 112, 113.. 3	Electives ..... 10
TOTAL..... 48	Physical Education ..... 3
	TOTAL..... 49

**Pre-professional: Pharmacy (15)**

This is a two-year concentration for those students who wish to obtain their freshman requirements for entrance to a school of pharmacy. The regional schools of pharmacy require three years minimum in residence at the School of Pharmacy.

This program is designed for those students who wish to prepare themselves for the study of Pharmacy after completing two years of academic studies. All students of Pharmacy are required to complete a five-year program, two of which are in Pre-Pharmacy and three in an accredited School of Pharmacy.

First Year	Second Year
English 101, 102 ..... 10	English 201, 202 ..... 10
History 114, 115 ..... 10	Economics 101 ..... 5
Mathematics 101, 102 ..... 10	Political Science 113 ..... 5
Chemistry 121, 122, 281 ..... 15	Physics 204 ..... 5
Physical Education 111, 112, 113.. 3	Zoology 124, 225, 226 ..... 15
TOTAL..... 48	Electives ..... 5
	Physical Education ..... 3
	TOTAL..... 48

## Teaching (17)

The subjects required in the freshman and sophomore years by colleges preparing teachers are: English, history, mathematics, sciences, social studies and physical education.

First Year	Second Year
English 101, 102 .....	Education 201 .....
History 114, 115 .....	English 201, 202 .....
Biological or Physical Science.....	Mathematics 9 or 101 .....
Physical Education 111, 112, 113..	Physical Education .....
Political Science 113 .....	Psychology 201 .....
Art 101 or Music 200 .....	*Electives .....
*Electives .....	
TOTAL.....	TOTAL .....
48	48

## Music (50)

First Year	Second Year
English 101, 102 .....	English 201, 202 .....
Foreign Language .....	Natural Science .....
Music Theory 110, 111, 112 .....	Music Theory 210, 211, 212 .....
Sight Singing 101, 102, 103 .....	Sight Singing 201, 202, 203 .....
Applied Music 115a, b, c .....	Applied Music 215a, b, c .....
Mathematics 101 .....	History 114, 115 .....
Political Science 113 .....	Physical Education .....
Physical Education .....	
TOTAL.....	TOTAL.....
51	51

In addition to the above all music majors are required to participate in ensemble groups.

The following preparatory programs of less than two years are also offered.

## Forestry (3)

A one-year program for students in Forestry.

English 101, 102 .....	10
Physical Education 111, 112, 113 .....	3
Botany 121, 122 .....	10
Economics 101 .....	5
Engineering 101 .....	2
Mathematics 101, 102 .....	10
Physics 204 or Physical Science 101 .....	5
Political Science 113 .....	5
TOTAL.....	50

\*Recommended electives for elementary teachers include Health, Geography, Economics, Georgia Problems (Social Science 104), English 228 and additional science courses.

### Pre-professional: Nursing (13)

This is a one year program for those students who wish to obtain their freshman requirements to be transferred to a school of nursing offering the B.S. degree. The program as outlined is intended to satisfy the requirements of the Medical College of Georgia School of Nursing. Students planning to transfer credits are urged to consult the pre-nursing advisor in order to be sure that they are taking the proper courses.

English 101, 102 .....	10
History 114, 115 .....	10
Zoology 108, 109 .....	10
Chemistry 121 .....	5
Sociology 201 .....	5
Psychology 201 .....	5
Physical Education 111, 112, 113 .....	3
<b>TOTAL</b> .....	<b>48</b>

### Pre-veterinary Medicine (16)

This is a four quarter program designed for those students who wish to transfer their credits to the University of Georgia School of Veterinary Medicine, which is the regional school. A student planning to spend four quarters at Armstrong should consult Veterinary School officials about his program.

English 101, 102, 201 .....	15
Botany 121, 122 .....	10
Zoology 225, 226 .....	10
Chemistry 121, 122 .....	10
Mathematics 101, 102 .....	10
Physical Education 111, 112, 113 .....	3
<b>TOTAL</b> .....	<b>58</b>

## Terminal Programs

### Business Administration: Accounting (18)

First Year	Second Year
Business Administration 101, 102 .....	Business Administration 201T,
English 101, 102 .....	202T .....
History 114, 115 .....	English 201, 202,
Natural Science .....	228 (any two) .....
Physical Education 111, 112, 113..	Economics 101, 102 .....
Elective .....	Business Administration 260 .....
<b>TOTAL</b> .....	Business Administration 115 .....
<b>48</b>	Physical Education .....
	Electives .....
	<b>TOTAL</b> .....
	<b>48</b>

A student who desires further training in this field may enroll for additional courses chosen from the following list. A certificate will be awarded upon satisfactory completion of 45 hours of work.

Business Administration 236T, 237T—Income Tax Accounting .....	10
Business Administration 229T—Cost Accounting .....	5
Business Administration 207T, 208T .....	10
Electives chosen from Business Administration, Economics or Industrial Technology courses .....	20
<b>TOTAL</b> .....	<b>45</b>

### Business Administration: General (20)

First Year	Second Year
English 101, 102 .....	Economics 101, 102 .....
History 114, 115 .....	English 201, 202 or English 201, 228 .....
Business Administration 101, 102..	Business Administration 115 .....
Natural Science .....	Electives .....
Business Administration 260 .....	Physical Education .....
Physical Education 111, 112, 113..	
<b>TOTAL</b> .....	<b>TOTAL</b> .....
48	48

### Commerce: Secretarial (24)

This program is designed to meet the needs of those students who wish to qualify for secretarial positions in business. If, because of prior training, a student is permitted by the instructor to omit the beginning theory courses in shorthand or typing, the student must choose elective subjects to supplement the total college hours required.

First Year	Second Year
English 101, 102 .....	Business Administration 101 .....
History 114, 115 .....	Business Administration 115 .....
Physical Education 111, 112, 113..	English 201, 202 or English 201, 228 .....
Natural Science .....	Commerce 213 .....
Commerce 101, 102, 103 .....	Commerce 201, 202, 203 .....
Commerce 111, 112, 113 .....	Commerce 211 .....
<b>TOTAL</b> .....	Physical Education .....
48	Electives .....
	<b>TOTAL</b> .....
	47

### Liberal Arts (28)

A student in the Terminal Liberal Arts program may select the remainder of his electives from any courses offered by the college in order to prepare for a vocation or to pursue a special interest.

First Year	Second Year
English 101, 102 ..... 10	English 201, 202 ..... 10
History 114, 115 ..... 10	Physical Education ..... 3
Physical Education 111, 112, 113.. 3	*Electives ..... 35
Natural Science ..... 10	
Mathematics 9 or 101 ..... 5	TOTAL..... 48
*Electives ..... 10	
TOTAL..... 48	

The following terminal program of one year is also offered.

### Commerce: Stenographic (25)

A student who has only one year to spend in college may acquire some of the clerical skills which will enable her to secure employment as a stenographer or clerk. Whether a student will be placed in beginning theory classes of shorthand or typing will depend upon how much previous training she has had in those subjects; a more advanced standing must be approved by the instructor. A certificate is awarded upon completion of the following program.

Commerce 101, 102, 103 ..... 6
Commerce 111, 112, 113 ..... 9
Commerce 213 ..... 5
Business Administration 101 ..... 5
English 101, 102 ..... 10
Physical Education 111, 112, 113 ..... 3
Business Administration 115 ..... 5
Elective ..... 5
TOTAL..... 48

\*A student must elect 20 hours from at least three of the following subjects: Foreign Language, Political Science, Economics, Fine Arts, Philosophy, Psychology, Sociology, Mathematics (other than Mathematics 103).

# Course Descriptions

Armstrong State College reserves the right to (1) withdraw any course for which less than ten students register, (2) limit the enrollment in any course or class section, (3) fix the time of meeting of all classes and sections, and (4) offer such additional courses as demand and faculty warrant.

No credit will be given in beginning courses in languages where the same or similar courses have been presented for admission from high school.

Where two or more courses are listed under one description no credit for graduation will be given until the sequence is completed, for example: Zoology 103-104.

After each course name, there are three numbers in parentheses. The first number listed is the number of hours of lecture; the second, the number of hours of laboratory; and the third, the number of quarter hours of credit the course carries. For example: Botany 121—General Botany (3-4-5).

## Art

### *Art 101—Creative Art (3-4-5).*

Drawing, painting and design principles, with some pertinent background history. Introductory practice in techniques, and application to every day life needs.

### *Art 113—Ceramics (5-0-5).*

A beginner's course in the fundamentals of pottery and clay modeling. Various ways of forming clay, decorating, glazing and firing suitable subjects.

### *Art 114—Ceramics (5-0-5).*

A continuation of the beginner's course with emphasis on design, using the potter's wheel and understanding the use of glazes. Work may be developed in pottery or clay sculpture.

### *Art 290—Introduction to the History of Art (5-0-5).*

The formal characteristics of the painting, sculpture, architecture and some of the minor arts will be analyzed in their stylistic and symbolic developments which will be discussed in relation to the changing cultural background.

### *Art 291—Introduction to the History of Modern Art (5-0-5).*

A survey of world art during the eighteenth, nineteenth, and twentieth centuries. The formal characteristics of the painting, sculpture, architecture and some of the minor arts will be analyzed in their stylistic and symbolic developments which will be discussed in relation to the changing cultural backgrounds.

## Biology

*Biology 210—Microbiology* (3-4-5). Prerequisites: ten hours of biological science with laboratory and five hours of inorganic chemistry.

An introduction to the study of micro-organisms with primary emphasis on bacteria. The morphology, life history, and public health importance of representative bacteria, molds, viruses, protozoa, and helminths are considered.

*Botany 121—General Botany* (3-4-5).

A study of the structure of the roots, stems, and leaves, basic physiology and ecology of plants. Laboratory work on representative species.

*Botany 122—General Botany* (3-4-5). Prerequisite: Botany 121.

A study of reproduction, heredity, and evolution of seed plants, with studies of representative species of the other major plant groups. Laboratory work includes field trips.

*Botany 305—Identification of Flowering Plants* (0-10-5). Prerequisite: Botany 121, or equivalent elementary course in biological science.

Studies in the identification of plants with emphasis upon wild flowers.

*Zoology 103-104—Human Biology* (8-6-10). Not open to students who have credit for Zoo. 124.

A basic course intended to acquaint the student with biological principles and their application to the human organism. The second quarter is a continuation of the first; no credit is allowed toward graduation until the sequence is completed.

*Zoology 108-109—Human Anatomy and Physiology* (6-8-10). Not open to pre-professional students in the biological sciences.

A basic course considering the gross anatomy, histology, and physiology of the organ systems. Laboratory work includes thorough dissection of a typical mammal as well as basic experiments in physiology. The second quarter is a continuation of the first; no credit is allowed toward graduation until the sequence is completed. Not open to pre-professional students in the biological sciences.

*Zoology 124—General Zoology (3-4-5)*. Prerequisite: Chemistry 101 is strongly recommended. Not open to students having credit for Zoology 103-104.

A survey of principles in biology, with accent upon cellular phenomena.

*Zoology 225—Invertebrate Zoology (3-4-5)*. Prerequisite Zoology 124, or Zoology 103-104, or Botany 121-122.

A survey of the invertebrate animals, their biology, structure, and relation to other animals.

*Zoology 226—Vertebrate Zoology (3-4-5)*. Prerequisite: Zoology 124 or 103-104, or Botany 121-122.

A study of the structure, body functions, interrelations, and natural history of the vertebrate animals.

*Zoology 356—Comparative Vertebrate Anatomy (3-6-6)*. Prerequisite: Zoology 226.

A study of the anatomy and evolution of the organ systems of the vertebrates.

## **Business Administration**

*Business Administration 101—Principles of Accounting, Introductory (5-0-5)*. Fall, Winter, and Spring.

An introduction to the fundamental principles and procedures of accounting, including a study of the journal, the ledger, working papers, accounting statements, controlling accounts, special journals, partnerships and corporations.

*Business Administration 102—Principles of Accounting, Introductory (5-0-5)*. Winter and Spring. Prerequisite: Business Administration 101.

An application of accounting principles to certain problems such as departmental operations, manufacturing accounts, the analysis of financial statements, accounting aids to management, statement of application of funds.

*Business Administration 115—Business Correspondence (5-0-5)*. Winter and Spring.

Covers various aspects of business and technical report writing. Attention is given to vocabulary building, a review of the mechanics of grammar, and techniques of business writing. Letter studies include: sales, credit collection, promotion, application, routine, per-



sonal, and formal. Information relative to effective policies in these areas is considered.

*Business Administration 301—Principles of Accounting, Intermediate (5-0-5).* Spring. Prerequisite: Business Administration 102.

Basic accounting theory and the solution of problems requiring an application of accounting theory.

*Business Administration 302—Intermediate Accounting (5-0-5).* Second Course. Prerequisite: Business Administration 301.

A continuation of B.A. 301 emphasizing the theories of valuation of fixed assets and liability accounts, the application of these theories of valuation of fixed assets and liability accounts, the application of these theories and the interpretation of financial statements prepared on the basis of these theories.

*Business Administration 307—Business Law (5-0-5).* Fall.

Law governing the basic principles applicable to the following subjects. Contracts: offer and acceptance, consideration, performance, rights of third parties and discharge. Agency: creation of an agency, liabilities of principal and agent. Negotiable instruments: elements of negotiability, endorsement and transfer, liabilities of parties, discharge.

*Business Administration 308—Business Law (5-0-5).* Spring.

The law governing the basic legal principles applicable to the following subjects which are of particular interest to those planning to major in accounting. Partnership: formation, powers, liabilities of curity holders, types of securities. Corporation: formation, powers, rights of security holders. Sales: vesting of title, warrants, remedies.

*Business Administration 329—Cost Accounting (5-0-5).* Spring. Prerequisite: Business Administration 101, 102.

Methods of determining and distributing costs in manufacturing including the job order and the process methods.

*Business Administration 330—Cost Accounting (5-0-5).* Prerequisite: Business Administration 329.

Standard cost procedures; budgeting; distribution costs and special cost problems.

*Business Administration 340—Principles of Marketing (5-0-5).* Prerequisite: Economics 102.

Principles and methods involved in the movement of goods and services from producers to consumers; marketing functions; marketing

manufactured goods, raw materials and agricultural products; proposals for improving the marketing structure.

*Business Administration 350—Retailing (5-0-5).*

Basically a course in merchandising and promotion. Retailing also covers allied services such as stock and inventory control, accounting systems, mark-ups and materials handling. A review is given on the basic elements of salesmanship and modern trends. Store design, the effects of lighting, color dynamics, traffic and aisle display are illustrated. Delineation of the various advertising media is also involved.

*Business Administration 360—Principles of Management (5-0-5).*

Designed to prepare students in the fundamentals of all phases of administrative staff and operative management. Successful management principles and techniques are given for all fields of business which include: business objectives, policies, functions, executive leadership, organization structure and morale, cooperative procedure and control procedure.

*Business Administration 365—Principles of Insurance (5-0-5).*  
Prerequisite: Economics 102.

A comprehensive treatment of the insurance field: an explanation of the different types of insurance and fundamental underlying principles, the organization of the insurance business and accepted insurance practices.

*Business Administration 370—Real Estate Principles (5-0-5).*  
Prerequisite: Economics 102.

A consideration of the general principles of property utilization, the law dealing with ownership, transfer of title and liens: the appraisal process, determinants of values, the real estate cycle, management and salesmanship and regulatory legislation.

*Business Administration 375—Personnel Administration (5-0-5).*  
Prerequisite: Business Administration 360.

A study of the principles and practices in the field of the administration of human relations and industry. Emphasis is given to scientific techniques and devices in the development of a well rounded personnel program.

*Business Administration 436—Income Tax Accounting. Fall (5-0-5).*  
Prerequisite: Business Administration 102.

A study of federal income tax laws, and the income tax returns of individuals, partnerships and corporations.

*Business Administration 437—Tax Accounting* (5-0-5). Prerequisite: Business Administration 436.

A continuation of Business Administration 436 with emphasis on corporations and fiduciary returns and social security taxes, gift taxes and estate taxes.

*Business Administration 450—Auditing* (5-0-5). Prerequisite: Business Administration 102.

A study of the principles of audits and financial verifications, standards of field work, and ethics.

*Business Administration 451—Auditing Problems* (5-0-5).

The application of auditing theories and principles; preparation of audit working papers; writing audit reports.

## Chemistry

*Chemistry 121—General Inorganic* (4-3-5). Fall and Winter. Prerequisite: Mathematics 9, or consent of instructor.

A study of the fundamental principles and laws of chemistry through the modern concept of the atom, with a quantitative approach to the laws. The lab consists of one three hour period per week emphasizing fundamental techniques as applied to the beginning experiments.

*Chemistry 122—General Inorganic* (4-3-5). Winter and Spring. Prerequisite: Chemistry 121.

This is a continuation of Chemistry 121 with emphasis on descriptive chemistry of particular elements, families and groups, including some organic chemistry. The lab follows with a study of the properties and preparations. One three hour lab per week.

*Chemistry 281—Qualitative Inorganic Analysis* (3-6-5). Spring and Fall. Prerequisite: Chemistry 122.

The lecture to be devoted to the study of theoretical principles of chemical equilibrium and application to qualitative analysis. Lab is a systematic study of the separation and identification of common cations and anions by semi-micro techniques.

*Chemistry 282—Quantitative Inorganic Analysis* (2-9-5). Winter. Prerequisite: Chemistry 281 or approval of the instructor.

A study of the fundamental theories and applications of quantitative analysis involving volumetric and gravimetric methods.

*Chemistry 341, 342, 343—General Organic (4-3-5)*. Winter and Spring. Prerequisite: Chemistry 281.

This sequence will provide a foundation in the fundamental principles and an introduction to the modern concepts of organic chemistry. The courses will emphasize the reactions of aliphatic and aromatic hydrocarbons as well as a study of heterocyclic compounds and naturally occurring carbohydrates. The laboratory consists of one three hour period per week.

*Chemistry 105—Chemistry For Nurses (4-3-5)*. Fall. Principles of inorganic, organic, and physiological chemistry with special application to nursing practice.

## Chinese

*Chinese 101-102—Elementary Chinese (10-0-10)*.

A basic training in Chinese conversation and reading.

*Chinese 201—Intermediate Chinese (5-0-5)*.

## Commerce

*Commerce 101—Beginning Typing (0-5-2)*. Fall, Winter and Spring.

This course consists of introductory instruction in the technical features and care of the machine, position, fingering, proper technique and mastery of the keyboard.

*Commerce 102—Beginning Typing Continued (0-5-2)*. Fall, Winter and Spring.

This course is a continuation of speed development. In addition, instruction in typing letters and setting up simple tabulations is given.

*Commerce 103—Intermediate Typing (0-5-2)*. Fall, Winter and Spring. Prerequisite: Commerce 101-102 or equivalent.

A typewriter course in which emphasis is placed on speed building and accuracy. Special typing problems such as business letters, minutes, notices, stencil cutting and carbon copies are stressed.

*Commerce 111—Beginning Shorthand (5-0-3)* Fall. Complete theory of Gregg Shorthand simplified. Reading dictation and transcription from studied material. A dictation speed of 80 words a minute is attained.

*Commerce 112—Beginning Shorthand (Continued) (5-0-3)* Winter. A continuation of beginning shorthand from foundation learned in fall quarter.

*Commerce 113—Intermediate Shorthand (5-0-3). Spring.*

Dictation and transcription of new and studied material. Student is required to take dictation at the rate of 100 words a minute.

*Commerce 201—Advanced Typing (0-5-2). Fall, Winter and Spring. Prerequisite: Commerce 103 or equivalent.*

Advanced typing is a course in the acquisition of speed and accuracy including various legal forms and papers, manuscripts and business papers. Most of the student's work is done on a production timing basis.

*Commerce 202—A continuation of Commerce 201 (0-5-2). Fall, Winter and Spring.*

*Commerce 203—A continuation of Commerce 202 (0-5-2). Fall, Winter and Spring. An average of 60 words a minute is attained.*

*Commerce 211—Advanced Shorthand (5-0-3). Fall. Prerequisites: Commerce 111, 112, 113 or equivalent.*

A course in which the principles of Gregg Shorthand are applied in developing skill and accuracy in writing shorthand and in transcribing. Dictating and typing of mailable letters are emphasized. A speed of 110 words a minute for five minutes is attained.

*Commerce 213—Office Practice (5-0-5). Spring. Prerequisite: Commerce 112 or equivalent or permission of instructor.*

Typical business office situations are duplicated as nearly as possible, including the instruction of various business machines. Practical problems deal with typing, filing and office courtesy.

## Economics

*Economics 101—Principles and Problems of Economics (5-0-5). Fall, Winter, Spring.*

A study of the principles behind the economic institutions of the present time and an examination of some of the economic problems in the modern world.

*Economics 102—Principles and Problems of Economics (5-0-5). Winter and Spring.*

A continuation of the study of economic principles and problems begun in Economics 101.

*Economics 126—American Economic History (5-0-5).*

The growth and development of economic institutions in the United States from the colonial period to the present with major emphasis on the period since 1860. It will deal with agriculture, in-

dustry, labor, domestic and foreign commerce, transportation, money and banking, and finance.

*Economics 325—Elementary Economic Statistics (5-0-5)*. Prerequisite: Economics 102.

An introduction to presentation and analysis of quantitative economic data. Statistical sources, table reading, chart reading, chart making; elementary statistical procedures and their economic interpretation; introduction to index and time series analysis.

*Economics 327—Money and Banking (5-0-5)*. Prerequisite: Economics 102.

The role of money in the economic organization; monetary theory; methods of stabilizing the price level; the integration of financial institutions; theory of bank deposits and elasticity of bank currency; discount policy and the interest rate of central banks; methods of regulating credit and business activities.

*Economics 329—Labor Economics (5-0-5)*. Prerequisite: Economics 102.

An analysis of the background and origin of our modern labor organizations and their remarkable growth in recent years.

Special emphasis is placed on the social and economic aspects of our labor problems including the study of wages, working conditions, unemployment problems, the movement toward shorter hours, workers welfare plans, labor organizations and the outlook for future developments along these lines.

*Economics 330—Corporation Finance (5-0-5)*. Prerequisite: Economics 102.

Financial promotion and organization of business firms; problems of financial administration; failures; financial rehabilitation.

*Economics 431—Investments (5-0-5)*. Prerequisite: Economics 327, 330.

A study of stocks and bonds, market operations, investments, mathematics, investment policies, and financial statements.

## Education

*Education 201—Orientation to Teaching (5-0-5)*. Winter.

For the beginning or prospective teacher, this subject offers a broad understanding of the American spirit in education, the place of the school in society, its growth and changing function as a social institution. The problem and discussion approach is used.

*Education 206—Educational Psychology (5-0-5)*. See Psychology 206, page 80.

## Engineering

*Engineering Graphics 113—(0-6-2)*.

Topics of study include lettering (capital and lower case); the use of the instruments; geometric construction; orthographic projection; emphasis on descriptive geometry concepts as applied to the solution of problems involving orthographic projection of solids, auxiliary views, and points, lines and planes.

*Engineering Graphics 114—(0-6-2)*. Prerequisite 113.

Topics of study include the solution of problems involving points, lines and planes by use of the revolution method; intersection of surfaces; warped surfaces: the development of surfaces. Practical applications are emphasized.

*Engineering Graphics 115—(0-6-2)*. Prerequisite, 114.

Topics of study include sections and conventions; dimensioning; pictorial representation; detail sketches; shop processes; assembly drawings from detail sketches; working pictorial sketches; introduction to charts and graphs; reproduction processes, ink tracing on cloth; graphical calculus.

## English

Students will be assigned to freshman English according to results of tests taken before the beginning of the term.

*English 100—Freshman English (4-2-5)*. Fall, Winter and Spring.

This is a course in expository writing. An effort is made to gain a thorough knowledge of sentence structure. Through practice, the student tries to achieve logical, coherent, and correct expression. A handbook of composition is used, and models of good writing are studied.

Students who are placed in English 100 will also be required to spend two hours a week in the reading laboratory. Successful completion of this work will be necessary in order to receive credit for English 100.

Students who are assigned to this course must make a grade of C before taking English 101.

*English 101—Freshman English (5-0-5)*. Fall, Winter and Spring. Prerequisite: Assignment to this course is based on entrance test results or the successful completion of English 100. English 101 must be completed with a grade of "C" in order to enter English 102.

This is a course in writing in which the aim is the achievement of a standard acceptable in any professional field. Through practice and the study of models, the student works toward clarity, unity, coherence, correctness, and worthwhile subject matter. A library paper is written during the term.

*English 102—Freshman English (5-0-5)*. Fall, Winter and Spring. Prerequisite: English 101.

Literature studied in this course comes from the two principal early sources of our culture: early Greek literature and the Bible. The works read are the *Iliad*, the *Odyssey*, Greek drama, Genesis, the Saul-David story in Samuel and Kings, and the Prophets.

*English 201—Sophomore English (5-0-5)*. Winter and Spring. Prerequisite: English 101, English 102.

The study of literature continues with Shakespeare, poetry, novels, and short stories through the nineteenth century.

*English 202—Sophomore English (5-0-5)*. Winter and Spring. Prerequisite: English 101, English 102, English 201.

Modern literature, including novels, poetry, and drama, is studied.

*English 227—Modern Drama (5-0-5)*. Fall.

Class reading and discussion of modern plays from Ibsen's "Ghosts" to Miller's "Death of a Salesman." The course is centered on appreciation of drama and improving of oral interpretation through reading selected plays aloud.

*English 228—Fundamentals of Speech (5-0-5)*. Winter.

Basic principles and practices of speech. The course gives some attention to the physiological make-up of the speech mechanism, phonetics, gesture, articulation, pronunciation, and regional speech differences. However, it consists primarily of practicing the fundamentals of speech through a wide variety of formal, informal, extemporaneous, impromptu, and group participation speech exercises.

*English 230—Principles of Theatre Art (5-0-5)*. Spring.

A study and discussion of the fundamentals involved in the development of dramatic art and in the staging methods which have been and are now utilized in producing drama. The course will



develop chronologically and will relate directly to historical events and to the changing form and method of writing for the stage.

*English 231—The Nineteenth Century* (5-0-5). Spring.

A survey of the most important verse and prose written in England and the United States during this period.

*English 375—The Novel* (5-0-5).

A study of selected English, European and American novels.

*English 410—History of the English Language* (5-0-5).

*English 402—Chaucer* (5-0-5).

## French

*French 101-102—Elementary French* (10-0-10). Fall and Winter.

A course for beginners. The approach is primarily oral, and daily practice with tape recordings is required. Students who own tape machines may have tapes recorded for home practice.

No credit for graduation or transfer will be given until the sequence is completed. No credit will be given for these courses if two years of high school French have been presented for entrance credit.

*French 10—Elementary French* (3-0-3). Fall.

*French 11—Elementary French* (3-0-3). Winter.

*French 12—Elementary French* (4-0-4). Spring.

These are the same courses as French 101-102 above, but more time is allowed for covering the work. Students will be enrolled for these sections on advice of the instructor.

*French 103—Intermediate French* (5-0-5). Spring. Prerequisite: Two quarters of college French or two years of high school French. Review grammar, oral practice, reading of selected texts.

*French 104—Intermediate French, continued* (5-0-5). Winter. Prerequisite: Three quarters of college French or three years of high school French.

Further reading of texts, oral and composition practice.

*French 201—French Classical Drama* (5-0-5). Spring. Prerequisite: French 104.

Selected plays of Corneille, Moliere and Racine.

## Geography

*Geography 111—World Human Geography (5-0-5).*

A survey of world human geography, emphasizing population characteristics, topographic features, distribution of economic activities and geo-political problems within the major geographical regions. Consideration of adequacy of resources to support expanding world populations.

## German

*German 101-102—Beginning German (10-0-10).* Fall and Winter.

Drill upon pronunciation and elements of grammar, conversation and the training of the ear as well as the eye. German is used as much as practicable in the classroom instruction. The course includes reading of texts and translations, conversation, dictation, and dialogues.

No credit for graduation is allowed until sequence is completed.

No credit will be given for these courses if two years of high school German have been completed.

*German 201—Intermediate German (5-0-5).* Spring. Prerequisite: Two quarters of college German or two years of high school German.

Grammar review and comparative grammar are studied for the purpose of enabling students to write compositions. Short stories are read; and conversation is practiced.

## Health

*Health 111—Personal and Community Health Problems (5-0-5).*

This course considers the meaning of health and factors influencing health behavior; health problems as related to the individual; overview of world, national, state and local health problems; community health organizations; mobilizing and evaluating community health resources. The legal aspects in community health and the laws governing reportable diseases is given special attention.

## History

*History 100—Survey of American History (5-0-5).*

This course is designed to satisfy the state law requiring that all students receiving degrees shall pass an examination on the history of the United States and of Georgia.

*History 114—An Historical Introduction to Contemporary Civilization (5-0-5). Fall and Winter.*

This course comprises a chronological survey of the main currents of political, social, religious and intellectual activity in Western Civilization from the time of the ancient Mediterranean civilizations to the present era. Selected topics and periods are studied in greater detail by a careful reading of works by Plato, Dante, Machiavelli, Descartes and others. Classes will meet three hours a week for lectures by the history staff and two hours a week in small groups for discussion.

*History 115—A Continuation of History 114 (5-0-5). Spring and Summer.*

(For History 114 and 115 classes will meet three hours a week for lectures by the history staff and two hours a week in small groups for discussion.)

*History 224—History of England (5-0-5). Winter.*

A study of English political and social institutions from early times to the present with special emphasis given to developments since the Tudor period.

*History 225—Recent European History (5-0-5). Fall.*

This course is designed to provide an opportunity for detailed study of major national and international developments in European affairs from about 1870 to the present time. Special emphasis is devoted to the First World War and new developments in Europe following that war and the complex of world events which preceded the Second World War.

*History 226—Recent American History (5-0-5). Winter.*

This course has as its purpose the examination of the most important events and movements, political, social and cultural, in American life from about 1865 to the present time.

*History 320—The civilization of China and the Far East, Part I (5-0-5).*

The history of East Asian civilizations from ancient times through the 18th century, with attention to characteristic political, economic, and social developments.

*History 321—The civilization of China and the Far East, Part 2 (5-0-5).*

The history of East Asian nations from the 19th century to the present, with emphasis on political, economic, social, and intellectual developments. (No prerequisite.)

*History 330—The history of Russia in the twentieth century (5-0-5).*

## Home Economics

*Home Economics 232—Nutrition (5-0-5).*

The requirements of different individuals for energy, protein, minerals and vitamins; foods as a source of daily requirements, and the relation of food and the state of nutrition of an individual to physical fitness.

*Home Economics 235—Nutrition Education for Teachers (5-0-5).*

A study of the diet habits of Georgia school children and the relation of nutrition to health. Emphasis is placed on how teachers can enrich school and community programs and improve the health of school children through nutrition education.

## Mathematics

*Mathematics 9—Intermediate Algebra (5-0-5). Fall, Winter and Spring.*

Some elementary properties of real numbers are studied. This includes a survey of the field properties of the set of real numbers. Properties of powers, roots, and absolute value are treated. The axioms for the order relation are given, and an introduction to solution of inequalities is given.

An introductory study of axiomatic systems and symbolic logic precedes elementary set theory, functions, and graphs of functions. Some concepts from the theory of numbers, and the theory of polynomials are also studied.

*Mathematics 100 (5-0-5), Integrated Algebra and Trigonometry.*

A short review of elementary operations with real numbers is given. The concepts of function, and the graph of a function are emphasized. Special emphasis is placed upon logarithmic and exponential functions and their graphs. The trigonometric functions are defined by the unit circle definition; various properties of the trigonometric functions are developed. Some aspects of complex numbers are considered before the theory of equation is studied. The theory of matrices and determinants is applied in the solution of systems of equations. After some basic concepts of sequences are given, mathematical induction is studied and applied to sequences of statements. The theory of inverse functions includes the inverse trigonometric

functions and their graphs. Methods of finding solution sets for trigonometric equations are considered.

Included in this course are the main topics from Mathematics 101 and Mathematics 102. It is recommended for students transferring to the Georgia Institute of Technology or other engineering schools.

Students who are transferring to colleges in which such an integrated course is required should be advised to consult with Mr. Stubbs concerning their qualifications for admission to Mathematics 100.

*Mathematics 101—College Algebra (5-0-5)*. Fall, Winter and Spring. Prerequisites: Two units high school algebra or *Mathematics 9*.

A brief review of some elementary properties of real numbers is given. Some general characteristics of axiomatic systems are examined. A relatively thorough (but non-axiomatic) development of symbolic logic and set theory is given. The concept of function is defined from that of ordered pairs. Basic theory of numbers and polynomials is studied. An axiomatic development of the structure of the set of real numbers is given. This includes completeness and the Dedekind theorem. The set of complex numbers is described. A careful study of algebraic functions and their graphs precedes the theory of equations.

Matric techniques are applied to the theory of systems of equations. The theory of sequences, mathematical induction, and probability are also treated.

*Mathematics 102—Trigonometry (5-0-5)*. Winter and Spring. Prerequisite: *Mathematics 101*.

After a review of the concepts of function and complex numbers the exponential function, and its inverse, the logarithmic function, are studied. The remaining elementary transcendental functions (the elementary trigonometric functions and their inverses) are treated. The standard properties of the elementary transcendental functions are developed; this includes identities, the definition of the trigonometric functions of angles, and some physical applications.

The theory of vectors is introduced with some applications, and the geometric interpretation of complex numbers is given; DeMoivre's theorem is proved.

Some special topics are considered which include introductory point set topology, complex functions, and infinite series.

*Mathematics 103—Mathematics of Finance (5-0-5)*. Spring. Prerequisite: Mathematics 101.

This course gives that background necessary for dealing with problems found in banking, real estate, financing, and accounting; the operation of the compound-interest law in business; simple problems concerning bonds, sinking funds, valuation of properties and annuities. Practical problems in these fields will be emphasized. The necessary aids and short cuts and use of tables and logarithms will be studied.

*Mathematics 104—Analytic Geometry and Calculus (5-0-5)*. Spring. Prerequisite: Mathematics 102.

First, some review topics from algebra are considered. From analytic geometry the concepts of coordinates, graphs of equations, the distance formula, and equations of lines are presented. The fundamental concept of the calculus, the concept of limit of a function, is carefully presented using the epsilon-delta definition; the limit theorems are proved. Thus, a foundation for the study of continuity and differentiability is laid. Applications of the derivative include a thorough study of the extrema of functions and inflection points.

*Mathematics 201—Calculus (5-0-5)*. Fall. Prerequisite: Mathematics 104.

Conic sections are first studied. The development of the definite integral by using Riemann Sums is based upon some properties of the real numbers, e.g. least upper and greatest lower bounds of sets of real numbers, and the completeness property. A study of the intermediate value theorems is followed by some applications of the integral. Differentiation of transcendental functions, and elementary formal integration are also considered.

*Mathematics 202—Calculus (5-0-5)*. Winter. Prerequisite: Mathematics 201.

Methods of advanced formal integration which include integration by parts and partial fractions are studied. Some applications are: Simpson's Rule, centroids of solids of revolution and of a plane area. Basic properties of continuous and differentiable functions are considered carefully. Methods of parametric equations and polar coordinates are studied with applications. The theory of infinite series includes differentiation and integration of power series.

*Mathematics 203—Calculus (5-0-5)*. Spring. Prerequisite: Mathematics 202.

Solid analytic geometry precedes a study of vectors in two and three dimensions. Partial differentiation is carefully presented, and

a proof of the Fundamental Theorem of Algebra is given. Multiple integration is presented with applications. Cylindrical and spherical coordinates are also considered.

*Mathematics 235—An Introduction to Finite Mathematics* (5-0-5). Spring. Prerequisites: Math 102 or consent of Instructor.

An introduction to logic and set theory give some insight into modern concepts in mathematics. The probability theory which is studied involves probability measure, conditional probability, finite stochastic processes, and the law of large numbers. The study of the theory of vectors and matrices includes the development of the usual vector and matrix operations, and linear transformations; this precedes some concepts from linear programming. Applications are given to the behavioral sciences with some applications to genetics.

*Mathematics 238—Finite Mathematical Structures* (5-0-5). Prerequisite: Consent of the Department Chairman.

The content of this course is similar to that of Mathematics 235; however, it is more advanced, and the approach is more rigorous.

*Mathematics 204—Introduction to Statistics* (5-0-5). Prerequisite: Mathematics 101.

*Mathematics 305—Differential Equations* (5-0-5). Prerequisite: Mathematics 203.

*Mathematics 400—Foundations of Analysis* (5-0-5). Prerequisite: Consent of the instructor.

*Mathematics 401-404—Mathematical Analysis* (5-0-5). Prerequisite: Mathematics 203 or consent of the instructor.

## Music

*Music 110—Music Theory* (3-0-3). Fall.

An introduction to the basic theoretical principles of music.

*Music 111—Music Theory* (3-0-3). Winter.

A continuation of Music 110 with emphasis on part-writing of triads and their inversions.

*Music 112—Music Theory* (3-0-3). Spring.

A continuation of Music 112 through inversions of the dominant seventh chord and secondary seventh chords.

*Music 101—Sight Singing* (2-0-1). Fall.

A study of sight singing techniques applied to diatonic materials.

*Music 102—Sight Singing (2-0-1). Winter.*

A continuation of Music 101.

*Music 103—Sight Singing (2-0-1). Spring.*

A continuation of Music 102.

*Music 210—Music Theory (3-0-3). Fall.*

A continuation of the study of basic materials with emphasis on secondary seventh chords and simple modulation.

*Music 211—Music Theory (3-0-3). Winter.*

A continuation of Music 210 introducing altered chords and modulation to remote keys.

*Music 212—Music Theory (3-0-3). Spring.*

A continuation of Music 211 emphasizing chromatic materials.

*Music 201—Sight Singing (2-0-1). Fall.*

A study of sight singing techniques applied to chromatic materials.

*Music 202—Sight Singing (2-0-1). Winter.*

A continuation of Music 201.

*Music 203—Sight Singing (2-0-1). Spring.*

A continuation of Music 202.

*Music 200—Music Appreciation (5-0-5).*

A course designed to help the student understand and enjoy fine music. Analysis of form, style and mediums of musical expression from the great periods of musical art. Lectures, discussions and recorded sessions comprise the course.

*Music 115 a,b,c—Applied Music. 2 hours credit per quarter.*  
One one-hour private lesson per week. Special fee \$48.00.

*Music 215 a,b,c—Applied Music. 2 hours credit per quarter.*  
A continuation of Music 115c. Special fee \$48.00.

## Philosophy

*Philosophy 110—Introduction to Philosophy (5-0-5).*

The fundamentals of philosophy, the meaning and function of philosophy, the vocabulary and problems of philosophy, and the relation of philosophy to art, science and religion. Includes a survey of



the basic issues and major types in philosophy, and shows their sources in experience, history and representative thinkers.

*Philosophy 222—Honors Seminar (5-0-5).*

The Honors Seminar will study some aspects of the nature of man in the natural world. The aim of the seminar will be to integrate what has been approached as specialization in the general curriculum. Instructors from the natural sciences, the humanities and the social sciences will serve as discussion leaders.

This course is open by invitation to sophomores placed on the Permanent Dean's List at the end of their freshman year and to other sophomores who are recommended by their advisors.

*Philosophy 320—Introduction to Oriental philosophy (5-0-5).*

## Physical Education

*Physical Education 111—Conditioning Course (0-3-1). Fall.*

Consists of calisthenics, stunts and tumbling, lifts and carries, road work, duel combatives, and simple games.

*Physical Education 112—Team Sports (0-3-1). Winter.*

Consists of basketball, soccer, speedball and volleyball.

*Physical Education 113—Elementary Swimming (0-3-1). Spring.*

*\*Physical Education 114—Officiating of Basketball (1-3-2). Winter.* Prerequisite: P. E. 112 or equivalent.

Consists of a study of rules interpretation and actual experience in coaching and officiating in class and intramural games. Elective credit, except when substitute for P. E. 112.

*\*Physical Education 204—First Aid (3-0-1). Winter.*

The American Red Cross standard course in first aid.

*Physical Education 201—Elementary Tennis (0-3-1). Fall.*

*\*Physical Education 203—Senior Life Saving and Instructors' Course in Swimming (2-3-2). Spring.* May be substituted for Physical Education 113.

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\*Elective unless substituted as written in course description.

*Physical Education 205—Folk Rhythms (0-3-1)*. Spring.

*Physical Education 206—Modern Dance for Women (0-3-1)*.  
Winter.

*Physical Education 207—Tap Dance for Beginners (0-3-1)*. Win-  
ter.

*Physical Education 208—Adult Recreative Sports (0-3-1)*. Spring.  
Golf, ping-pong, pool, card games, chess, checkers and other quiet  
games.

*Physical Education 232—Bowling (0-3-1)*. Winter.

## Physical Science

*Physical Science 101 (5-0-5)*. Fall. No prerequisite.

A study of the scientific method and its use in man's solutions of problems in his physical environment. The student learns the fundamentals of physics and acquires familiarity with the basic formulas and principles. He learns the similarity of the application of principles involving small particles to larger or planetary particles. If student has completed a course in college physics, no credit will be given for this course.

*Physical Science 102 (5-0-5)*. Winter. No prerequisite.

In this course emphasis is placed on the study of the principles of inorganic and organic chemistry with some examples of the application of chemistry in household, industry, medicine, biology, geology, etc. Here the knowledge of the structure of the fundamental particles of matter (atoms and molecules) is used in the study of the classification of the simple components of matter (elements) and the changes which they undergo to form more complex substances (compounds). If the student has completed a course in college chemistry, no credit will be given for this course.

*Physical Science 103 (5-0-5)*. Spring. No prerequisite.

A survey of elementary geology and astronomy. This course covers what might be termed a "Biology of the Earth", concerning itself with earth materials, weather and climate, rocks and minerals, erosion and sedimentation, vulcanism and diastrophism, the law of uniform change and earth history as interpreted from the rock record. Upon completion of this phase the course progresses to the astronomy phase and the study of the stars and galaxies. Starting with the planetary system of our own sun, the study proceeds to the other stars and stellar systems, including, of course, the nebulae. Finally,

the course covers general relativity and cosmology, entering the frontiers of Physical Science to conjecture on the "science of tomorrow."

## Physics

*Physics 204—General Physics—Mechanics (4-2-5).* Fall.

Prerequisite: Mathematics 101 and 102 or consent of the instructor.

Lectures, demonstrations, recitations and laboratory work covering the fields of mechanics. Force and motion, work and power, energy, torque, and properties of gases are included.

*Physics 205—General Physics—Electricity (4-2-5).* Winter. Prerequisites: Math 101 and 102 or consent of the instructor.

Lectures, demonstrations, recitations and laboratory work covering the fields of magnetism, electric circuits, electric energy and power, electromagnetic induction, and principles of alternating current.

*Physics 206—General Physics—Heat, Sound, and Light (4-2-5).* Spring. Prerequisite: Math 101 and 102 or consent of the instructor.

Lectures, demonstrations, recitations and laboratory work covering the fields of heat, sound and light. Under heat will be studied temperature measurement, thermal expansion, heat quantities, heat transfer, and thermodynamics. The study of sound includes wave motion, sound waves, and acoustics. Light includes reflection, refraction, spectra, color, and optics.

*Physics 207—Mechanics, Sound and Heat (5-3-6).* Fall. Prerequisite: Mathematics 104 or 201. (This course may be taken concurrently.)

Physics 207, 208 and 209 together constitute a thorough course in basic physics for engineering students. This course includes classical physics, and an introduction to modern physics (to which more than one quarter of the three courses is devoted) including the quantum theory of radiation, atomic structure, relativity, X-Ray, wave versus corpuscular propagation, natural radioactivity, nuclear reactions, and artificial radioactivity, nuclear energy and cosmic rays, and the fundamental particles.

The five classroom hours each week include some lectures and films, but the solution of a large number of problems is required, including application of the elements of the calculus.

The laboratory work is designed to give practice in the art of making precise measurements, proficiency in the manipulation of apparatus and added familiarity with some of the concepts of physics.

The theory of errors is stressed enough to give students the ability to decide under what conditions the greater expense of more precise measurements is justified.

Physics 207 is an intensive course in mechanics, sound and heat. It includes the study of statics, kinetics, friction, work, power, energy, momentum, machines, elasticity, fluid mechanics, harmonic motion, wave motion and vibrating bodies, temperature-expansion, heat transfer, work and heat, and the laws of thermodynamics.

*Physics 208—Electricity, Magnetism and Basic Light Through Geometric Optics.* (5-3-6). Winter. Prerequisite: Mathematics 104 or 201.

Physics 208 is an intensive course in electricity, magnetism, and geometric optics. It includes the study of the ideal gas and the atomic view of matter, static electricity, current electricity, magnetism, magnetic fields, electromagnetic induction, capacitance, inductance, alternating currents, electrical instruments, electromagnetic waves, nature and propagation of light, reflection and refraction, mirrors and lenses, optical instruments.

*Physics 209—Light Phenomena and Modern Physics.* (5-3-6). Spring. Prerequisite: Mathematics 104 or 201, and Physics 208.

Physics 209 continues the study of the phenomena of light, including interference, diffraction, and polarization; and then proceeds into modern physics via the quantum theory of radiation, atomic structure, and the theories of relativity (see Physics 207, above). During this quarter laboratory work is on a "senior course" level and is designed to encourage independent thought and to deviate definitely from the somewhat stereotyped work of the preceding quarters.

## Political Science

*Political Science 112—The Governments of Foreign Powers.* (5-0-5).

A study is made of the leading modern political theories, and attention is paid to the structure and powers of the major foreign governments.

*Political Science 113—Government of the United States* (5-0-5). Fall, Winter and Spring.

A study is made of the structure, theory, and workings of the national government in the United States and some of the major problems of the state and local government. The course shows how developmental practice has created our government as it stands today.

*Political Science 114—Totalitarianism and the Free World: Crisis in Civilization (5-0-5).* Spring.

This course examines dispassionately the various political ideologies which contend for men's allegiance in the twentieth century: principally fascism, nazism, and communism against the political and economic systems of the free world.

*Political Science 320—International Relations: The Far East (5-0-5).*

## Psychology

*Psychology 100—Psychology of Adjustment (5-0-5).* Fall, Winter, Spring.

This course is an orientation into college and into the choice of a career. Objective aids developed in the field of psychology will be used to discover effective ways of learning in general, and of studying in the college setting. Methods of objective measurements of a person's intelligence, interests, special aptitudes and personality traits will be explored and demonstrated. These will be applied to problems of educational, vocational, and special interest training. Special emphasis is placed upon the understanding of learning processes and the motivation of behavior.

*Psychology 201—Introduction to Psychology (5-0-5).* Fall, Winter, Spring, and Summer.

Psychology studies individual behavior by use of various adaptations of scientific observation. This course works with the evidence and concepts pertaining to primary behavior processes which systematic observation has explored. These topics, basic to understanding human behavior, include scientific methodology in psychology, heredity and patterns of growth, processes of learning and retention, adjustment processes as affected by motivation, emotions, and adaptations to frustration and conflict, sensory-perceptual processes leading to objective observation, and the use of these interacting processes for thinking purposefully, objectively, logically and creatively. By the end of the course the student is expected to be able to see these processes interacting in a given example of behavior. Principles from research are applied to areas of individual differences, personality formation, social behavior and abnormal behavior.

*Psychology 202-203—Introduction to Psychology with experiments. (10-0-10).* Fall-Winter.

The subject matter of Psychology 201 will be duplicated in this course extended over a two quarter sequence. Laboratory projects,

demonstrations, and individual experiments will be scheduled in connection with topics listed in Introduction to Psychology to teach and illustrate the various scientific methods of observation used in psychology: experimental method, field studies, statistical methods, and clinical or case study methods of observation. It is recommended that students expecting to major in psychology or who have a particular interest in preparing for the helping professions select this two quarter sequence.

*Psychology 206—Educational Psychology (5-0-5).* Summer.

Special emphasis is placed upon developing competencies on the part of the prospective elementary and high school teachers in understanding and applying the psychological principles involved in the learning and development of children and youth. Supervised visits will be made to schools for observation and study, when possible.

*Psychology 303—Social Psychology (5-0-5).* Spring. Prerequisite: Psychology 201.

This course centers on a study of the individual's interaction with his social groups (family, friendship groups, clubs, church groups, community groups). Forces of need, emotion and interests that bind the individual to his groups and the dynamic forces of group interaction are analyzed. The live laboratory of the class itself is used for experiencing the processes of communication and interaction in a group setting. Special topics of attitude formation, leadership, group conflicts, social stratification, mass communication, propaganda, public opinion formation and methods of changing group patterns are studied by consulting the reports of responsible studies and by group projects.

*Psychology 304—Psychology of the Abnormal (5-0-5).* Winter. Prerequisite: Psychology 201.

This course includes a study of the various forms of emotional illness and maladjustment, including mental deficiency and anti-social behavior. These processes will be related to basic principles of human behavior that are included in Introductory Psychology. Trips to city and state facilities will be arranged for the observation of diagnostic and treatment procedures. The course is planned especially for students going into the helping professions.

*Psychology 305—Child and Adolescent Psychology (5-0-5).* Spring. Prerequisite: Psychology 201.

This course presents tested information on how growth, development and learning affect the behavior of human beings from conception through childhood and adolescence. Systematic study of responsible research in this field, from life-study, clinical and experimental research methods, is the basis for class seminar and lecture. To supple-

ment study of the literature projects are planned for direct observation of child behavior in a nursery school, in various elementary school classes and in informal settings. When possible, special areas receive special study, such as testing programs, problems of exceptional children, child therapy or typical problems in child-parent relations and child placement.

### **Russian**

*Russian 101-102—Elementary Russian (10-0-10).*

This course consists of grammar, composition, conversation, reading and dictation. No credit will be allowed toward graduation until the sequence is completed.

### **Social Science**

*Social Science 104—Contemporary Georgia (5-0-5).*

A study of current economic and social statistics as pertaining to agriculture, industry and commerce, population trends and governmental organizations and problems.

### **Sociology**

*Sociology 201—Introductory Sociology (5-0-5). Fall, Winter, Spring and Summer.*

Sociology is the scientific study of human behavior at the group level. This course presents material which has been gathered by systematic and objective studies of human society. Material is introduced from the fields of cultural anthropology and social psychology. In this way an understanding is gained not only of the function of culture as a factor in the socialization of the individual but also of the role of the individual as a member of his own society. Attention is then turned to some of the major institutions of this society, and finally to a theoretical consideration of the operation of social processes.

*Sociology 202—Preparation for Marriage and Family Living (5-0-5). Spring.*

This course is designed as a functional approach to the problems associated with mate selection and marital adjustment in our society. As a background to the study of marriage and family living, the family as an institution is studied using a cross-cultural analysis of different societies. Each stage of preparation for marital adjustment is discussed including: dating, courtship, engagement, sex, financial adjustment, religion, recreation, friends, and children. A prominent medical specialist serves as a guest lecturer in the discussion of physi-

cal adjustment in marriage and parenthood. Other guest lecturers include representatives from the different religious faiths to discuss the problems associated with interfaith marriages. In this course the student is provided with information which will encourage a mature and objective approach to the problems and responsibilities inherent in marriage and parenthood in our society today.

*Sociology 303—Community and Social Problems (5-0-5)*. Fall.  
Prerequisite: Sociology 201.

The purpose of this course is to study the facts, problems, and programs of community life, using Savannah and Chatham County as resources to supplement information from responsible scientific studies available in the professional literature. In addition to exploring the nature and origins of social problems in general, attention will be directed to such special areas as community physical and mental health, problems of poverty, unemployment, education, government, juvenile and adult crime, care for dependent children, housing, recreation, resources for the aged, problems of community planning, and group conflicts. This course will include seminar discussion, individual study of some problems of special interest, guest speakers and selected field trips. This additional knowledge, understanding and experience with systematic study of community life is aimed to contribute to the student's constructive involvement, as a citizen, in the life of his community.

## Spanish

*Spanish 101-102—Elementary (10-0-10)*. Fall and Winter.

These courses are for the purpose of providing the student with the elements of Spanish reading, composition and conversation. No credit for graduation will be given until sequence is completed. No credit will be given for these courses if two years of high school Spanish have been completed.

*Spanish 201—Intermediate (5-0-5)*. Spring.

Prerequisite: Two quarters of college Spanish or two years of high school Spanish.

This course gives the student an opportunity to review the elements of Spanish grammar, conversation and readings.



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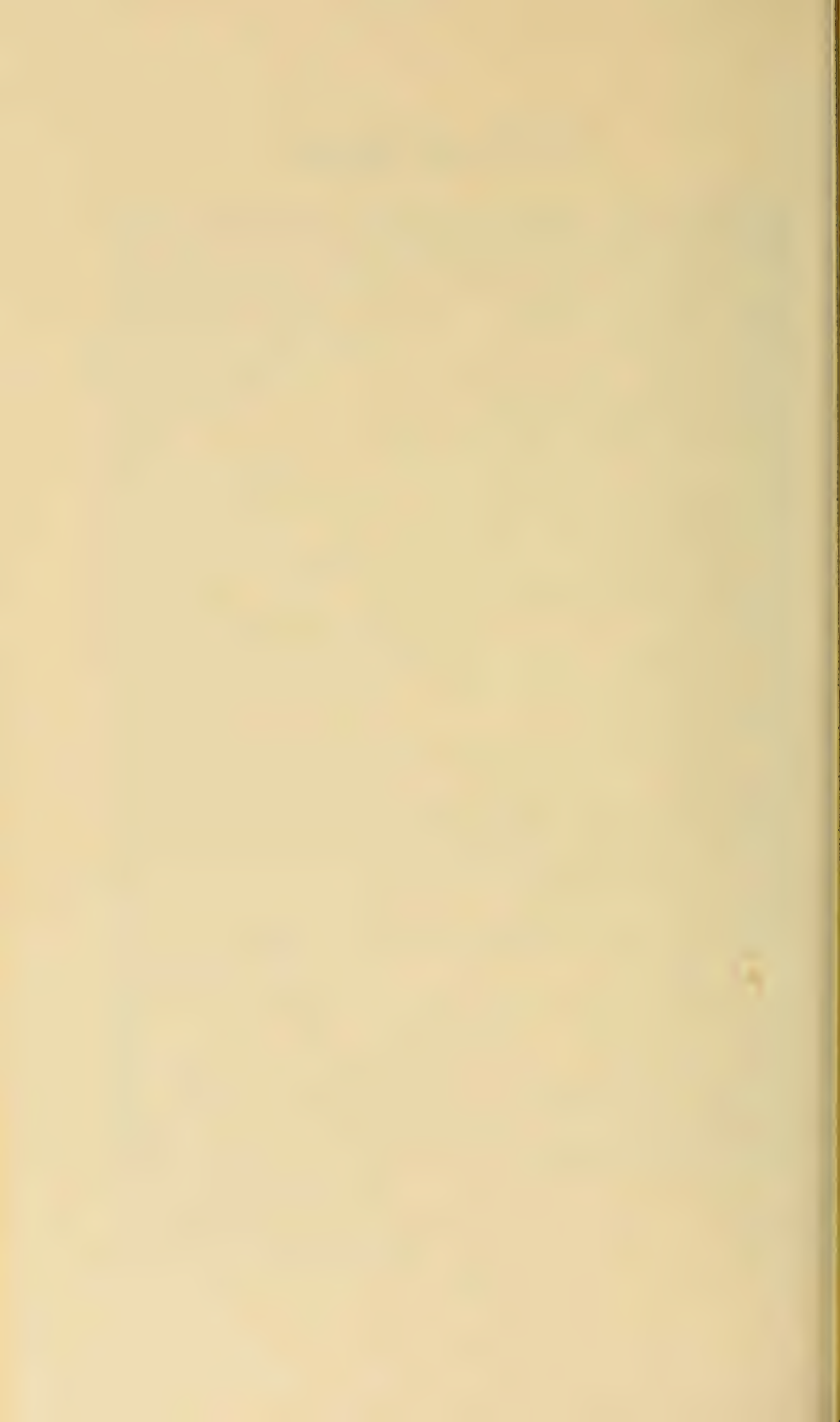
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1966-1967

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Summer

Fall

Winter

Spring

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**Bulletin of**  
**Armstrong State College**  
**Savannah, Georgia**

A Four-year College of the  
University System of Georgia



*Membership in*  
Southern Association of Colleges and Schools  
Association of Georgia Colleges

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**Volume XXXI**

**Number 6**

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1966

CALENDAR

1966

## APRIL

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1967

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## JUNE

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## SEPTEMBER

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# CALENDAR FOR 1966 - 1967

## Summer Quarter, 1966

- May 1: Last day for freshman and transfer students to file all papers required in the application for admission.
- May 31: Last day for transient students (for Summer Quarter only) to file all papers required in the application for admission.
- June 13: Registration 8:30 - 11:00 Pre-advised students only.  
2:00 - 4:00 Students not pre-advised,  
6:00 - 8:00 new and re-admitted students.
- June 14: Classes begin
- June 15: Last day to register for credit
- June 20: Last day to change classes
- July 4: Holiday
- July 18: Mid-term reports due
- August 1 - 5: Pre-advisement for Fall Quarter
- August 23 - 25: Examinations

## Fall Quarter, 1966

- September 1: Last day for freshman and transfer students to file all papers required in the application for admission.
- September 20 - 22: Orientation for Freshmen
- September 22: Group advisement for all entering students
- September 23: Registration 8:30 - 11:00 Pre-advised students  
2:00 - 4:00 Students not pre-advised,  
6:00 - 8:00 new students, and re-admitted students.
- September 26: Classes begin
- September 27: Last day to register for credit
- September 30: Last day to change classes
- November 7: Mid-term reports due
- November 21: Ga. and U. S. history and government test
- November 24 - 25: Thanksgiving Holidays
- November 28 -  
December 2: Pre-advisement for Winter Quarter
- December 14 - 16: Examinations

## Winter Quarter, 1967

- December 12: Last day for freshman and transfer students to file all papers required in the application for admission.
- January 2: Registration 8:30 - 11:00 Pre-advised students only.  
2:00 - 4:00 Students not pre-advised,  
6:00 - 8:00 new and re-admitted students.
- January 3: Classes begin
- January 4: Last day to register for credit
- January 9: Last day to change classes
- February 6: Mid-term reports due
- February 27 -  
March 3: Pre-advisement for Spring Quarter
- March 14 - 16: Examinations

## Spring Quarter, 1967

March 1:	Last day for freshman and transfer students to file all papers required in the application for admission.
March 22:	Registration 8:30 - 11:00 Pre-advised students only. 2:00 - 4:00 Students not pre-advised, 6:00 - 8:00 new and re-admitted students.
March 23:	Classes begin
March 24:	Last day to register for credit
March 29:	Last day to change classes
April 24:	Mid-term reports due
May 8:	Ga. and U. S. history and government test
May 15 - 19:	Pre-advisement for Summer and Fall Quarters
May 17:	Honors Day Assembly
May 31 - June 2:	Examinations

## Summer Quarter, 1967

May 22:	Last day for freshman and transfer students to file all papers required in the application for admission.
May 31:	Last day for transient students (for Summer Quarter only) to file all papers required in the application for admission.
June 12:	Registration 8:30 - 11:00 Pre-advised students only. 2:00 - 4:00 Students not pre-advised, 6:00 - 8:00 new and re-admitted students.
June 13:	Classes begin
June 14:	Last day to register for credit
June 19:	Last day to change classes
July 4:	Holiday
July 17:	Mid-term reports due
August 7 - 11:	Pre-advisement for Fall Quarter
August 23 - 25:	Examinations

## Fall Quarter, 1967

September 1:	Last day for freshman and transfer students to file all papers required in the application for admission.
September 19 thru September 21:	Orientation for Freshmen
September 22:	Registration
December 13 - 15:	Examinations

# Regents, University System of Georgia

244 Washington Street, S.W.—Fourth Floor

ATLANTA

State at Large—Charles A. Smithgall (January 10, 1966 - January 1, 1967)	Gainesville
State at Large—Jack Adair (January 13, 1965 - January 1, 1971)	Atlanta
State at Large—Roy V. Harris (February 19, 1960 - January 1, 1967)	Augusta
State at Large—John A. Bell, Jr. (January 1, 1963 - January 1, 1970)	Dublin
State at Large—Carey Williams (January 1, 1962 - January 1, 1969)	Greensboro
First—Anton F. Solms, Jr. (January 1, 1962 - January 1, 1969)	Savannah
Second—John I. Spooner (January 1, 1961 - January 1, 1968)	Donalsonville
Third—T. Hiram Stanley (January 13, 1965 - January 1, 1972)	Columbus
Fourth—H. G. Pattillo (February 5, 1965 - January 1, 1970)	Decatur
Fifth—Jesse Draper (January 1, 1961 - January 1, 1968)	Atlanta
Sixth—James C. Owen, Jr. (February 5, 1965 - January 1, 1971)	Griffin
Seventh—James V. Carmichael (January 19, 1966 - January 1, 1973)	Atlanta
Eighth—John W. Langdale (January 13, 1964 - January 1, 1971)	Valdosta
Ninth—James A. Dunlap (January 10, 1966 - January 1, 1973)	Gainesville
Tenth—G. L. Dickens, Jr. (February 5, 1965 - January 1, 1972)	Milledgeville

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<i>Chancellor Emeritus</i> .....	Harmon W. Caldwell
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<i>Director, Plant and Business Operations</i> .....	J. H. Dewberry
<i>Director, Testing and Guidance</i> .....	John R. Hills

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The Commission controls certain endowment funds and scholarship funds.

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*DR. THORD M. MARSHALL, <i>Supt.</i> <i>Board of Education</i>	208 Bull Street 122 Winchester Drive	236-4411
*MR. JOSIAH O. HATCH, <i>President</i> <i>Savannah Chamber of</i> <i>Commerce</i>	Palmer & Cay, Ins. 520 E. 45th Street	234-6621 232-3906
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MR. EDWARD J. BARTLETT	Union Bag-Camp Paper Corporation	236-5771
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MR. JOHN F. M. RANITZ, JR.	110 E. Oglethorpe Avenue 6904 Waters Avenue	236-0287
MR. W. HARRY SWICORD	Liberty National Bank 807 Dyches Drive	233-4111 355-8661

\*Ex officio

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JULE C. ROSSITER .....	<i>Comptroller</i>
<hr/>	
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MRS. VIRGINIA M. AREY .....	<i>Assistant to the Registrar in Charge of Admissions</i>

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ORANGE W. HALL .....	<i>Business Administration</i>
FRETWELL G. CRIDER .....	<i>Chemistry &amp; Physics</i>
ALBERT T. CLARKE .....	<i>Education</i>
JAMES HARRY PERSSE .....	<i>Fine Arts</i>
ROY CARROLL .....	<i>History &amp; Political Science</i>
HUGH PENDEXTER, III .....	<i>Language &amp; Literature</i>
F. LANE HARDY .....	<i>Mathematics</i>
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REGINA YOAST .....	<i>Library</i>

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MISS ELIZABETH HOWARD.....	<i>Secretary to the Dean of the College</i>
MRS. PEGGY B. STRONG.....	<i>Secretary to the Faculty, Gamble Building</i>
MRS. MAGALI R. OVERMAN.....	<i>Secretary to the Faculty, Science Building</i>
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MRS. BERTIS JONES.....	<i>IBM Operator</i>
MRS. JOYCE WELDY.....	<i>Secretary, Registrar's Office</i>
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MRS. EUGENIA EDWARDS.....	<i>Circulation Assistant</i>
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RICHARD F. BAKER.....	<i>Superintendent, Buildings &amp; Grounds</i>
IRA RYAN.....	<i>Assistant Superintendent, Buildings &amp; Grounds</i>
THOMAS NEASE.....	<i>Manager, Student Center</i>
MISS ELIZABETH POUND.....	<i>Manager, Book Store</i>
MRS. LAUNA JOHNS.....	<i>Telephone Operator</i>

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*Professor of History*
- \*J. FRED BEVERLY, A.B., M.A., Mercer University  
*Instructor in Business Administration*
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*Part-time Professor of Biology*
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*Assistant Professor of English*
- ROY CARROLL, B.A., Ouachita Baptist College; M.A., Ph.D., Vanderbilt University  
*Head, Department of History and Political Science*  
*Professor of History*

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\*Part-time Instructor.

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*Head, Department of Education*  
*Professor of Education*
- MARY DAN COLEMAN, B.S., G.S.C.W.; M.A., George Peabody College  
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*Head, Department of Psychology and Sociology*  
*Professor of Psychology*
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*Head, Department of Chemistry and Physics*  
*Professor of Chemistry*
- EMORY S. CROSBY, B.S., M.A., Western Kentucky State College; Ph.D., Cizmsom University.  
*Associate Professor of Biology*
- LESLIE B. DAVENPORT, JR., B.S., College of Charleston; M.S., Virginia Polytechnic Institute; Ph.D., University of Georgia  
*Head, Department of Biology*  
*Professor of Biology*
- JOHN KENNETH DAVIDSON, B.S., M.A., University of Georgia  
*Assistant Professor of Sociology*
- JOSEPHINE F. DAVIDSON, B.S., University of Southern Mississippi; M.A., Florida State University  
*Catalogue Librarian*
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*Director of Financial Aid*
- JOHN DONALD DUNCAN, B.S., College of Charleston; M.A., University of South Carolina  
*Assistant Professor of History*
- ROSSITER C. DURFEE, B.A., M.A., Stanford University  
*Instructor in English*  
*Director, "Masquers"*

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\*Part-time Instructor.



- FREDERICK C. HAAS, B.B.A., M.A., M.B.A., Hofstra University  
*Associate Professor of Business Administration*
- ORANGE W. HALL, B.S., Air Force Institute of Technology; M.B.A.,  
Hofstra College; Ph.D., University of Florida  
*Head, Department of Business Administration*  
*Professor of Business Administration*
- RAYMOND RALPH HALL, B.A., Mississippi State College; M.S., Auburn  
University  
*Assistant Professor of Mathematics*
- F. LANE HARDY, A.B., Oglethorpe University; M.A., Emory University;  
Ph.D., Ohio State University  
*Head, Department of Mathematics*  
*Professor of Mathematics*
- RICHARD HAUNTON, A.B., A.M., Indiana University; Ph.D. Emory  
University  
*Associate Professor of History*
- \*REGINALD C. HAUPT, JR., L.L.B., University of Georgia  
*Instructor in Business Administration*
- \*BERNARD HIRSHBERG, A.B., A.M., University of Michigan  
*Instructor in Anthropology*
- \*PHILIP HOFFMAN, B.B.A., M.B.A., University of Georgia; Certified  
Public Accountant  
*Instructor in Business Administration*
- \*STANLEY KARSMAN, L.L.B., University of Georgia  
*Instructor in Business Administration*
- JOSEPH I. KILLORIN, A.B., St. John's College; M.A., Columbia  
University  
*Dean of the College*
- WALTER B. LAFFER, B.S., Case Institute of Technology; Ph.D. Ohio  
State University  
*Associate Professor of Mathematics*
- OSMOS LANIER, JR., B.A., LaGrange College; M.A., Auburn Uni-  
versity; Ph.D., University of Georgia  
*Associate Professor of History*
- \*JAMES HARRIS LEWIS, B.S., University of Georgia; L.L.B., Univer-  
sity of Virginia.  
*Instructor in History and Political Science*

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\*Part-time Instructor.

MARGARET SPENCER LUBS, B.Mus., Converse College; B.A., University of Georgia; M.A., Columbia University  
*Professor of English and French*

\*PATRICK LUM, B.A., Earlham College; M.S., Ph.D., University of Illinois  
*Part-time Professor of Biology*

JOHN C. MCCARTHY, JR., B.B.A., University of Miami; M.B.A., University of Georgia  
*Assistant Professor of Business Administration*

\*FRANCIS L. MANNION, JR., B.I.E., University of Florida  
*Instructor in Mathematics*

\*HINCKLEY A. MURPHY, A.B., Vanderbilt University; M.A., Columbia University  
*Instructor in Psychology and Sociology*

JOHN F. NEWMAN, B.A., University of Maryland; M.A., Georgetown University; Ph.D., University of Florida  
*Associate Professor of Political Science and History*

\*JOHN M. PARR, B.S., Georgia Institute of Technology  
*Instructor in Engineering*

JACK H. PADGETT, A.B., Wofford College; M.A., University of North Carolina  
*Registrar*

HUGH PENDEXTER, III, A.B., Bowdoin College; M.A., Northwestern University; Ph.D., University of Pennsylvania  
*Head, Department of Language and Literature*  
*Professor of English*

JAMES HARRY PERSSE, B.F.A., University of Georgia; M.M., Ph.D., Florida State University  
*Head, Department of Fine Arts*  
*Professor of Music*

JAMES L. PEYTON, B.S., M.S., Marshall College  
*Assistant Professor of Chemistry and Physical Science*

DALE PRICE, B.A., Florida State University; M.A., Florida State University  
*Director, Student Activities*

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\*Part-time Instructor.

VIRGINIA RAMSEY, A.B., Vanderbilt University; M.A.T., Emory University

*Instructor in English*

JAMES T. ROGERS, B.S., Delta State College; M.R.E., N.O.B.T.S.; Ed.D., Florida State University

*Dean of Student Affairs*

JULE C. ROSSITER, A.A., Armstrong State College

*Comptroller*

LEA LESLIE SEALE, B.A., University of Southwestern Louisiana; M.A., Ph.D., Louisiana State University

*Professor of English and German*

JAMES L. SEMMES, B.S., United States Naval Academy; M.S., Florida State University

*Assistant Professor of Mathematics*

ROY JESSE SIMS, B.S., David Lipscomb College; M.S., University of Tennessee

*Head, Physical Education Department*

*Professor of Physical Education*

*Baseball Coach*

MARCIA SMITH, B.S., University of Tennessee

*Instructor in Physical Education*

\*WILLIAM H. STEPHENS, B.S., University of Georgia

*Instructor in Mathematics*

CEDRIC STRATTON, B.Sc., Nottingham University, England; Ph.D., Birkbeck College, London, England

*Associate Professor of Chemistry*

MARY H. STRONG, A.B., University of West Virginia

*Director, Community Services*

ROBERT I. STROZIER, A.B., University of Georgia; M.A., Ph.D., Florida State University

*Associate Professor of English*

ROBERT T. STUBBS, B.S., M.S., Georgia Institute of Technology

*Professor of Mathematics*

LAWRENCE M. TAPP, B.S., M.S., University of Tennessee

*Assistant Professor of Physical Education*

*Basketball Coach*

\*Part-time Instructor.

- \*GAIL Y. THEE, A.B., Emory University  
*Instructor in English*
- DOROTHY M. THOMPSON, A.B., Monmouth College; M.A., Northwestern University; Certificate in Psychiatric Social Work, Western Reserve University  
*Professor of Psychology*
- FRANCIS M. THORNE, III, B.S., Stetson University; Ph.D., University of Georgia  
*Associate Professor of Biology*
- MARION TRENTAM, A.B., University of Georgia; B.S. in Library Science, University of North Carolina  
*Assistant Catalog Librarian*
- JEAN WINGATE VINING, B.S., University of Georgia  
*Instructor in Shorthand, Comptometer and Typing*
- \*MARGIE P. WESTFALL, A.B., A.M., University of Illinois  
*Instructor in French*
- CHARLES C. WHITE, B.S., East Carolina College; M.A., Southern Illinois; Ph.D., University of South Carolina  
*Assistant Professor of English*
- WILLIAM SWOLL WINN, B.D., A.B., Emory University; M.A., University of North Carolina  
*Professor of Mathematics*
- K. C. WU, B.A., Grinnell College; M.A., Ph.D., Princeton University  
*Professor of History and Political Science*
- REGINA YOAST, B.A., Texas Christian University; B.S. in Library Science, Columbia University  
*Librarian*

# GENERAL INFORMATION

## Armstrong State College:

### *Purpose and Programs*

A college is a community of teachers and students who organize their energies for the work of the mind. Success in college means that a student has acquired those liberating skills of the mind that enable a man or woman to live the most fruitful life possible for him or her; that he has discovered the *usefulness* of those skills for understanding the world and for living in it competently and conscientiously.

Armstrong State College attempts to provide a climate where the student is induced to make connections between what he thinks and does and the best that has been thought and done. It is a climate intending to nourish the judging, critical and free man, responsible to himself and to his fellow man because he is developing and testing his own ideas and values.

Here the student works under able teachers to acquire liberal arts, and with their aid to explore man and his world through the insights of the humanities, the natural sciences and the social sciences. For these studies are the core of every degree program.

A student chooses a program of study leading to the degree best suited to his interest and vocational goal.

Programs leading to the following degrees are offered.

### FOUR-YEAR DEGREES

Bachelor of Arts in the fields of history, English, and music.

Bachelor of Science in the fields of biology, chemistry, and mathematics.

Bachelor of Business Administration in the fields of accounting, management, and economics.

(Each of these degrees may be taken along with an education program leading to certification for secondary school teachings.)

Bachelor of Science in Elementary Education.

Bachelor of Science in Medical Technology.

For these degrees the full third year will be offered in 1966-67; the full fourth year in 1967-68; except for music, for which the third year will be offered in 1967, the fourth in 1968.

### TWO-YEAR DEGREE

The Associate in Arts Degree is offered as preparation for higher degrees in the liberal arts and the professions, and for positions in business after two years of college.

The student planning to transfer from Armstrong State College into a professional or academic major program not offered here should, at the beginning of his freshman year, consult the catalogue

requirements of the school he plans to attend. Armstrong State College offers the first year of programs in forestry and veterinary medicine; the first two years of programs in engineering, industrial management, physical education, physics, pharmacy; the first three years, or the entire pre-professional programs, in dentistry, law, medicine, optometry, and other fields.

The Associate in Arts Degree in Nursing will be offered, beginning in September 1966.

### **History of the College**

Armstrong State College was founded on May 27, 1935, as Armstrong Junior College, by the Mayor and Aldermen of the City of Savannah to meet a long felt need for a college in the community. The College was housed in the Armstrong Building, a gift to the city from the family of George F. Armstrong, and over the years built or acquired five more buildings in the neighborhood of Forsyth Park and Monterey Square.

The College, as Armstrong College of Savannah, became a two-year unit of the University System of Georgia on January 1, 1959, under the control of the Regents of the University System.

In 1962, the Mills Bee Lane Foundation purchased a new campus site of over 200 acres, selected by the Regents. The new campus, with seven new buildings, was occupied in December, 1965.

In 1964, the Regents conferred upon Armstrong the status of a four-year college, with the right to offer the degrees of Bachelor of Arts, Bachelor of Science, and Bachelor of Business Administration. The first degrees will be conferred in June, 1968. The College now offers ten major programs leading to these degrees, and, in addition, the degrees of Bachelor of Science in Elementary Education and Bachelor of Science in Medical Technology.

The College community includes about 1600 students and 65 full-time faculty members.

### **Evening Classes**

In addition to the full daytime schedule, Armstrong offers a schedule of classes in the evening, including most of the required courses for many programs leading towards a degree.

Students employed during the day must limit their enrollment to one or two courses each quarter.

### **Library**

The Lane Library is a modern two-story handsomely equipped building completed in the winter of 1965. The building is completely

air conditioned and has an excellent lighting system. Individual carrel desks are available on both floors. There is an attractively furnished periodical and newspaper room on the first floor. Individual study rooms for faculty members engaged in research are located on the second floor, as well as a seminar room, staff-faculty room, group study rooms and a typing room. All stacks are open.

The library collection numbers approximately 30,000 with additional documents and pamphlets.

The library receives more than three hundred periodicals and eight newspapers.

*Services and regulations are specified in the library handbook, available on request to the Librarian of the college.*

### Office of Community Services

*Short Courses, Workshops and Institutes.* These are planned, organized and administered by the Office in response to group interest, or to meet a community need brought to the attention of the Dean. All are offered on a non-credit basis and, except in a very few cases, there are no special requirements or prerequisites for admission. A separate bulletin describing all credit and non-credit evening classes is published each summer. An additional brochure of the non-credit courses and special events, under the heading of "The Seven-Thirty Series" is mailed out before the beginning of every quarter; anyone wishing to do so may have his name placed on this mailing list. Subjects covered vary widely; the series is designed to offer something to appeal to almost any adult taste, from Computer Programming to a survey of the leading religions of the United States. The Dean is always glad to arrange courses for candidates preparing to take professional examinations in engineering, insurance, real estate and many others; the college has been approved as an Examination Center for a number of these examinations. One-day workshops, such as the annual Writers' Workshop, are also planned and managed by this office.

### Alumni Office

The prime purpose of the Alumni Office is to keep former students informed about the college, and to help them keep in touch with each other. Any person who at any time was matriculated as a regular student is eligible for membership in the Alumni Association, and upon payment of his dues will receive the quarterly newsletter, "The Geechee Gazette," and may vote and hold office in the Association. The Alumni Office assists in arranging class reunions, board meetings, and other functions.

## ADMISSIONS and FEES

Application forms for admission to Armstrong State College are provided by the Admission Officer upon request. An application cannot be considered until all required forms are properly executed and returned to the Admissions Office. Applications must be on file in the Admissions Office at least twenty days before the opening of the quarter in which the applicant wishes to enter. Deadlines for submitting applications for the 1966-67 session are:

- For Summer Quarter, 1966—May 1 (New freshmen and transfers)  
May 31 (Transient students—  
Summer only)
- For Fall Quarter, 1966 —September 1
- For Winter Quarter, 1967 —December 1
- For Spring Quarter, 1967 —March 1
- For Summer Quarter, 1967—May 22 (New freshmen and transfers)  
May 31 (Transient students—  
Summer only)
- For Fall Quarter, 1967 —September 1

The applicant must be at least sixteen years old on or before registration date and must give evidence of good moral character, promise of growth and development, seriousness of purpose, and a sense of social responsibility. Armstrong State College reserves the right to examine and appraise the character, the personality, and the physical fitness of the applicant. The College further reserves the right to examine any applicant by the use of psychological, achievement, and aptitude tests and to require additional biographical data and an interview before the applicant is accepted or rejected. If an interview is required, the applicant will be notified.

Armstrong State College reserves the right to refuse to accept any or all of the credits from any high school or other institution, notwithstanding its accredited status, when the College determines through investigation or otherwise that the quality of instruction at such high school or other institution is for any reason deficient or unsatisfactory. The judgment of the College on this question shall be final.

The Admissions Officer may refer any applicant to the Admissions Committee of the College for study and advice. The ultimate decision as to whether an applicant shall be accepted or rejected shall be made by the Admissions Officer subject to the applicant's right of appeal as provided in the policies of the Board of Regents of the University System.



The Admissions Officer shall, as promptly as practicable, inform the applicant of the action taken upon his application.

The College reserves the right to terminate acceptance of applications when enrollment capacity is reached. The College further reserves the right to reject an applicant who is not a resident of the State of Georgia.

All students enrolled at Armstrong State College are required to sign the Honor Pledge at the time of their initial registration. For a detailed explanation of the Honor System see the REGULATIONS section of this catalogue.

Specific requirements for admission are discussed below.

### Requirements for Freshman Applicants

1. Certificate of graduation from an accredited high school (or successful completion of the General Educational Development Test [GED] with no score less than 45).

2. A transcript of the applicant's high school record to be submitted by the high school directly to the College.

3. A minimum of sixteen units of high school credit, including the following specific subjects:

English—4 units

Mathematics—2 units (One unit must be in algebra, although two units of algebra are desirable. For students entering the engineering or scientific fields, two units of algebra and one of geometry are needed.)

Science—2 units

Social Studies—2 units

Other units sufficient to graduate.

4. Satisfactory scores on the Scholastic Aptitude Test of the College Entrance Examination Board. Official results of this test must be filed with the Admissions Office by the final date for submitting application for the quarter in which the student wishes to enroll.

The Scholastic Aptitude Test is given in December, January, March, May, and July. Students wishing to make application to take the test may secure application forms from their secondary school principal or counselor, or by writing directly to the College Entrance Examination Board, Box 592, Princeton, New Jersey 08540, or Box 1025, Berkeley, California 94701, for an application form and the *Bulletin of Information* which is available without charge.

5. Application fee of \$10 which must accompany the application form. This fee does not bind Armstrong State College to admit the applicant nor does it indicate acceptance of the applicant's quali-

fications. The fee will not be credited toward the matriculation fee in the event that the applicant is accepted as a student and it will not be refunded in the event that the applicant does not enroll as a student. An applicant who fails to enroll in the quarter for which he is accepted must reapply for admission if he wishes to enter the institution at a later time by resubmission of fee by the date specified.

6. Physical examinations prior to admission are required for all entering students with the exception of the following: Evening students, special students, transient students, and auditors.

On the basis of his achievement as reflected by his high school grades and on his potential ability as shown by his scores on the Scholastic Aptitude Test, an evaluation of each applicant's readiness to undertake college work will be made. Normally, a student with a predicted freshman average grade of "C" (2.0) or above will be admitted unconditionally to the quarter for which he applies. A student whose predicted freshman average grade falls between "D" and "C" (1.3 through 1.9) will normally be admitted on a trial basis to the Summer On Trial Program. (See SUMMER ON TRIAL PROGRAM below.)

### Advanced Placement

Armstrong State College gives advanced placement, or in some cases college credit, for college level high school courses, on the basis of the high school teacher's recommendation, the student's grade on the Advanced Placement Examination of the CEEB, and approval by the appropriate department chairman of Armstrong State College.

### Placement in English and Mathematics

On the basis of his scores on the Scholastic Aptitude Test, a student will be placed in English and mathematics courses as follows:

A student whose Verbal score on the SAT is 450 or above will be placed in English 101 which carries five quarter hours of credit. A student whose Verbal score is below 450 will be required to take English 99, a non-credit course. (See the regulation regarding this course under the course listing of *The Bulletin*.)

A student whose Math score on the SAT is 475 or above will be placed in Math 105 or Math 101, whichever is required for his program of study. A student whose Math score is below 475 will be required to take Math 9, a non-credit course, and must achieve a grade of C before enrolling in Math 105 or Math 101.

Beginning freshmen placed in English 99 or Math 9 are encouraged to take these courses in the Summer Quarter, if possible, to enable them to enroll for regular college work in the Fall Quarter.

## Requirements for Transfer Applicants

1. Transfer applicants will follow the same procedures as freshman applicants, except that transfer applicants who will have achieved sophomore standing at the time of their entrance will not be required to submit their high school records. Such records may be required by the Admissions Office but normally the transcripts of previous college records will suffice in place of the high school record. A transfer applicant must ask the Registrar of *each* college he has previously attended to mail an official transcript of his record to the Admissions Office at Armstrong State College, regardless of the transferability of the credits.

2. Transfer applicants with less than sophomore standing (less than 45 quarter hours completed) must meet entrance requirements of both freshman and transfer applicants and will be required to submit their high school records as well as transcripts of college records.

3. A transfer applicant will not be eligible for admission to Armstrong State College unless he is eligible to return to the last college attended on the date he expects to enter Armstrong. A student who is on probation or suspension from another college because of poor scholarship or disciplinary reasons will not be eligible for admission.

4. All transfer students must have an overall average of "C" or higher (as computed by the Armstrong State College grade point system) on all work attempted at all colleges previously attended to be considered for admission.

5. Courses transferred for credit from other colleges or universities must have an over-all average grade of "C" or better. Not more than ten (10) per cent of the transfer hours can be accepted with grades of "D." College credit will not be allowed for such courses as remedial English and remedial mathematics or courses basically of secondary school level. Credit for specific courses designated as "core curriculum" or "major" courses will not be allowed unless grades received are "C" or better.

6. Credits earned at an institution which is not a member of the appropriate regional accrediting agency can be accepted on a provisional basis only. A student transferring from an institution which is not a member of the regional accrediting agency must achieve a "C" average on his first fifteen quarter hours of work at Armstrong in order to be eligible to continue. His transfer credits would then be evaluated in certain areas by examination.

7. The amount of credit that Armstrong will allow for work done in another institution within a given period of time may not exceed the normal amount of credit that could have been earned at Armstrong during that time. A maximum of 100 quarter hours

may be transferred from a junior college. For a bachelor's degree, 90 quarter hours of junior and senior level work will be required (except in certain approved programs in mathematics, the natural sciences, and music), of which the last 45 quarter hours in courses numbered 200 and above must be taken at Armstrong. At least half of the courses offered in the major field must be taken at Armstrong.

8. Not more than one-fourth of the work counted toward a degree may be taken by correspondence or extension courses. No correspondence courses may be used to meet requirements in the major field or the related field for the bachelor's degree. No correspondence courses may be taken while a student is enrolled at Armstrong State College. Correspondence credit will not be accepted for courses in English composition or foreign language.

### Special Students

Applicants who possess a bachelor's degree or its equivalent and who wish to take courses for personal enrichment or advancement may be admitted as special students. Such an applicant will submit the application form and fee and will have official transcripts of his college records mailed to the Admissions Office by the final date for submitting applications for the quarter in which he wishes to enroll.

### Auditors

Armstrong State College grants to certain persons who are not regularly admitted students special permission to audit courses. Such applicants will not be required to take the Scholastic Aptitude Test given by the CEEB but must meet all other requirements for admission and pay regular fees. A special form for permission to audit courses may be obtained from the Admissions Office.

### Readmission of Former Students

A student who has not been enrolled at Armstrong for one or more quarters must apply for readmission on a form provided by the Admissions Office. A former student who has not attended another college since leaving Armstrong may be readmitted provided he is not on suspension at the time he wishes to re-enter. A former student who has attended another college since leaving Armstrong must meet requirements for readmission as a transfer student or as a transient student, whichever is applicable. A student who is readmitted after an absence from the College for more than two years must meet degree requirements as listed in the catalogue in effect at the time of his return.

## Transient Students

Transient student status means that a student is admitted to Armstrong State College only for a specified period of time, normally a summer quarter, with the understanding that he is to return to his own college for the next quarter. An applicant for transient status must file a regular application form and submit a statement from his Dean or Registrar that he is in good standing and has permission to take specific courses at Armstrong to be transferred to his own institution when satisfactorily completed. Since transient students are not admitted as regular Armstrong students, transcripts of college work completed elsewhere are not usually required of such applicants. A transient student who wishes to remain at Armstrong longer than one quarter must submit an additional statement from his Dean or Registrar or he must meet all requirements for regular admission as a transfer student.

### Armstrong State College/High School Accelerated Program

This program marks a new venture for this community in which college and high school join to challenge intellectually able young men and women to test their interests and their capacity to learn.

#### The Program

High school students who have completed the eleventh grade, who have met the criteria for admission to this program and who maintain its standards will be permitted to enroll in one course each quarter at Armstrong State College while they complete the senior year of high school. Upon graduation from high school, these students will be admitted upon application as regular students of the College and will be given full college credit for the courses taken at Armstrong.

Through this program, a student may complete over two-thirds of the freshman year of college before he begins his regular college career.

The maximum number of college courses possible is:

Summer .....	1 course	( 5 qtr. hours)
Fall .....	1 course	( 5 qtr. hours)
Winter .....	1 course	( 5 qtr. hours)
Spring .....	1 course	( 5 qtr. hours)
Summer (following high school graduation and admission to Armstrong .....	3 courses	(15 qtr. hours)
<hr style="width: 10%; margin: 0 auto;"/>		7 courses (35 qtr. hours)

### The College Courses

Every student accepted in this program must take *English 101: Composition* as his first course. Thereafter he may choose any freshman course, with permission of his college adviser.

### Criteria of Admission

The College will consider a student for this program only upon written recommendation of his high school principal. In the view of the College, it is only the principal who can judge the circumstances that may make the program valuable and practicable for any student.

To be admitted to the program a student must satisfy all of these criteria:

1. written recommendation by the Principal of the high school;
2. completion of the eleventh grade in an accredited high school;
3. a combined verbal and math score of 1000 on CEEB tests;
4. an average grade of B or better in academic subjects (English, mathematics, science, social studies, languages) through the ninth, tenth and eleventh grades as averaged by the Armstrong State College Admissions Officer.
5. written permission of the parents.

### Standards

A student forfeits the privilege of this program if in any quarter his grade in the college course is below C or his high school average in academic courses is below B.

### Procedure for Admission

A high school principal may recommend students following the fifth six-week period of the students' eleventh year. The recommendation to the College must be made by May 15th if the student intends to begin in the summer. The principal may recommend following the full eleventh year by August 15th if the student intends to begin in the fall.

### Foreign Students

A student from a country other than the United States who is interested in attending Armstrong must meet the following requirements before application is made:

1. He must have met the requirements of paragraph 3, under **REQUIREMENTS FOR FRESHMAN APPLICANTS**, in regard to units in the subjects required at Armstrong.

2. He must have an official transcript of his academic record mailed to the Admissions Office at Armstrong with an official translation.
3. He should take the SAT of the College Entrance Examination Board in the testing center nearest his home and ask that the results be sent to Armstrong.

If the applicant meets the academic requirements for admission, he will be sent an application form. After it has been returned and approved, the applicant will be sent an I-20 Form (I-20A and I-10B), which he can then take to the American Consul to ask for a student visa.

Armstrong is a community college and has no dormitory or boarding facilities, so these must be arranged by any student who does not live in Savannah.

No scholarships are available for students who are not legal residents of Georgia. All foreign students must pay non-resident fees.

### **Admission of Veterans**

After having been accepted at Armstrong State College and upon receipt of Certification of Eligibility and Entitlement from the Veterans Administration, veterans may attend under Public Law 815 (disabled), Public Law 894 (disabled), Public Law 634 (war orphans), or Public Law 361 (children of permanently disabled veterans). Students under Public Law 361 or 634 should be prepared to pay tuition and fees at the time of registration.

### **Applicants Sponsored by Vocational Rehabilitation**

Those applicants sponsored by Vocational Rehabilitation or other community agencies must apply at least six (6) weeks before the beginning of any quarter to insure proper processing of application.

### **Summer on Trial Program**

Freshman applicants who are residents of the Savannah area and who do not meet regular requirements for admission may be admitted on a trial basis to the Summer On Trial Program. Transfer students are not eligible for admission to this program.

Before enrolling in the Summer On Trial Program, the student must sign a statement that he understands the following:

1. Taking a minimum of 10 quarter hours of academic courses, he must achieve a grade point average of 1.7 for 10 quarter hours or 1.5 for 15 quarter hours work in order to be eligible for enrollment as a regular student in the Fall Quarter.

2. He will not have met the terms of his admission if he withdraws from any course.
3. Ordinarily no appeal will be considered if he fails to achieve the required average during the summer, and he will not be considered for readmission to Armstrong until he has completed at least two quarters of college work at another institution with a "C" average and until he has met all other requirements of transfer students.

### Financial Aid

(See STUDENT SERVICES AND ACTIVITIES section of this Bulletin for further information.)

### Registration and Orientation

The first few days of the Fall Quarter are set aside as an orientation period for new students to become acquainted with the College, its curriculum, extra-curriculum activities, student leaders, counselors, members of the faculty and the administration. Complete instructions concerning registration are made available to all students at the beginning of the registration period. Registration includes counseling, academic advisement, selection of courses, enrollment in classes, and payment of fees. Full details regarding orientation and registration are provided to all incoming students during the summer preceding their initial enrollment.

### Residency Requirements of the Board of Regents

To be considered a *legal* resident of Georgia, the applicant must establish the following facts to the satisfaction of the Admissions Officer:

1. A student who is under 21 years of age at the time he seeks to register or re-register at the beginning of any quarter will be accepted as a resident student only upon a showing by him that his supporting parent or guardian has been legally domiciled in Georgia for a period of at least twelve months immediately preceding the date of registration or re-registration.
2. In the event that a legal resident of Georgia is appointed as guardian of a non-resident minor, such minor will not be permitted to register as a resident student until the expiration of one year from the date of appointment, and then only upon proper showing that such appointment was not made to avoid payment of the non-resident fee.
3. If a student is over 21 years of age, he may register as a resident student only upon a showing that he has been domi-



ciled in Georgia for at least twelve months prior to the registration date.

Any period of time during which a person is enrolled as a student in any educational institution in Georgia may not be counted as a part of the twelve months' domicile and residence herein required when it appears that the student came into the State and remained in the State for the primary purpose of attending a school or college.

4. A full-time faculty member in an institution of the University System, his wife, and minor children may register for courses on the payment of residence fees, even though the faculty member has not been in residence in Georgia for a period of twelve months.
5. If the parents or legal guardian of a minor change residence to another state following a period of residence in Georgia, the minor may continue to take courses for a period of twelve consecutive months on the payment of resident fees. After the expiration of the twelve months' period the student may continue his registration only upon the payment of fees at the non-resident rate.
6. Military personnel stationed in Georgia, and their dependents, may become eligible to enroll in institutions of the University System as resident students provided they file with the institution in which they wish to enroll the following materials:
  - a. A statement from the appropriate military official as to the applicant's "home of record";
  - b. Evidence that applicant, if over 21 years of age, is eligible to vote in Georgia;
  - c. Evidence that applicant, if under 21 years of age, is the child of parents who are eligible to vote in Georgia;
  - d. Evidence that applicant, or his parents filed an income tax return in Georgia during the preceding year;
  - e. Other evidence showing that a legal domicile has been established in Georgia.
7. All aliens shall be classified as non-resident students; provided, however, that an alien who is living in this country under a visa permitting permanent residence or who has filed with the proper federal immigration authorities a Declaration of Intention to become a citizen of the United States shall have the same privilege of qualifying for resident status for fee purposes as has a citizen of the United States.
8. Teachers in the public schools of Georgia and their dependents may enroll as students in University System institutions on payment of resident fees, when it appears that such teachers have resided in Georgia for nine months, that they were en-

gaged in teaching during this nine months' period, and that they have been employed to teach in Georgia during the ensuing school year.

9. In the event that a woman who is a resident of Georgia and who is a student in an institution of the University System marries a non-resident of the State, the woman will continue to be eligible to attend the institution on payment of resident fees, provided that her enrollment is continuous.
10. If a woman who is not a resident of Georgia marries a man who is a resident of Georgia, the woman will not be eligible to register as a resident student in a University System institution until she has been domiciled in the State of Georgia for a period of twelve months immediately preceding the date of registration.

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## FEES

### Application Fee

The Application Fee of \$10.00 is paid by all students at the time of initial application for admission to Armstrong State College. The acceptance of the Application Fee does not constitute acceptance of student. This fee is not refundable.

### Matriculation Fee

The Matriculation Fee for students registering for the normal course load of fifteen hours is \$85.00. Students carrying less than 12 credit hours in a quarter will pay at the rate of \$7.00 per quarter hour in Matriculation Fee.

### Out of State Tuition

Non-residents of Georgia must pay a fee of \$110.00 per quarter in addition to all regular fees. Students carrying less than 12 credit hours in a quarter who are not legal residents of the State of Georgia will pay at the rate of \$9.00 per quarter hour Out-of-State Fee in addition to all regular fees.

### Student Activity Fee

There will be a Student Activity Fee of \$10.00 per quarter for students registering for a course load of ten or more quarter hours. Students carrying less than ten credit hours in a quarter will pay at the rate of \$1.00 per quarter hour. This fee is not refundable.

### Late Registration Fee

In the Summer Session a late registration fee of \$4.00 will be charged to students registering on the first day of class and a fee of \$5.00 will be charged for registrations completed on the last day to register for credit.

In the Fall, Winter and Spring Quarters a late registration fee of \$3.00 will be charged to students registering on the date listed in the catalog as the date on which classes begin. A fee of \$4.00 will be charged for registrations completed on the day following the date on which classes begin. A fee of \$5.00 will be charged for registrations completed on the date listed in the catalog as the "last day to register for credit."

### **Change of Schedule Fee**

A fee of \$2.00 is charged for the changing of a student's schedule after the registration cards have been processed. No charge is made if the change is initiated by the College. This fee is not refundable.

### **Graduation Fee**

A Graduation Fee for four-year programs of \$10.00 will be collected from each candidate to cover all expenses including the rental of cap and gown and the cost of the diploma. The fee for Certificate for Associate in Arts Degree is \$3.50.

### **Transcript Fee**

Each student is entitled to one official transcript of his college work. The charge for additional copies is \$1.00 each.

### **Music Fees**

Students enrolled in Applied Music Courses will be required to pay a special fee. The fees are indicated in the description of courses found under "Course Descriptions" elsewhere in this bulletin.

### **Make-up Test Fee**

For cause, a student may arrange with an instructor to make up an announced quiz or final examination. The arrangements to make up the announced test must be made within one week after the student returns to college.

A fee of \$2.00 is charged for the making up of any announced quiz and a fee of \$5.00 for a make-up final examination and laboratory examinations, except as shown below. The total charges to any one student for a final make-up examination in a given subject shall not exceed \$5.00. All fees will be paid to the Business Office.

The conditions under which fees for make-up quizzes and final examinations will not be charged are as follows: The student was absent (1) on official college business; (2) due to illness; (3) because of death in the family; or (4) in observing religious holidays.

The student's reasons for claiming exemption from paying the fee must be presented in writing to the instructor.

### **Short Courses**

Fees are announced for each course when the course is announced. No refund can be made for withdrawal from a course.

## Summary of Fees

Matriculation, per quarter	\$ 85.00
Student Activity, per quarter	10.00
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TOTAL FOR GEORGIA RESIDENTS	\$ 95.00
Out of State Tuition, per quarter	110.00
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TOTAL FOR NON-RESIDENTS	\$205.00
Matriculation, Part-time Students, per quarter hour	7.00
Student Activity Fee, Part-time Students, per quarter hour	1.00
Non-Resident Tuition, Part-time Students, per quarter hour (in addition to Matriculation Fee)	9.00

## Privilege Fees

Application Fee	\$ 10.00
Late Registration—Maximum	5.00
Special Examinations	2.00
Final Examinations	5.00
Graduation in four-year programs	10.00
Associate in Arts Certificate	3.50
Transcript, first one free, each additional	1.00
Change of Schedule	2.00

## Refunds

Refunds of fees will be made only upon written application for withdrawal from school. No refunds will be made to students dropping a course. Students who formally withdraw during one week following the scheduled registration date are entitled to a refund of 80% of the fees paid for that quarter. Students who formally withdraw during the period between one and two weeks after the scheduled registration date are entitled to a refund of 60% of the fees paid for that quarter. Students who formally withdraw between two and three weeks after the scheduled registration date are entitled to a refund of 40% of the fees paid for that quarter. Students who formally withdraw during the period between three and four weeks after the scheduled registration date are entitled to a refund of 20% of the fees paid for that quarter. Students who withdraw after a period of four weeks has elapsed from the scheduled registration date will be entitled to no refund of any part of the fees paid for that quarter.

*Fees and Charges are Subject to Change at the End of any Quarter*

Any student delinquent in the payment of any fee due the college will have grade reports and transcripts of records held up, and will

not be allowed to re-register at the college for a new quarter until the delinquency has been removed.

Fees for each quarter are to be paid in full at the time of registration.

If a check is not paid on presentation to the bank on which it is drawn, the student's registration will be cancelled and the student may re-register only on payment of a \$5.00 service charge.







# ACADEMIC REGULATIONS

## Honor System

The Honor System at Armstrong State College provides all members of the student body with an opportunity to participate in self government. The accompanying responsibilities are outlined below.

The Honor System, written by a joint committee of faculty and students, received an overwhelming endorsement by both faculty and students during the Winter Quarter, 1965.

The ordinances of the Honor System are as follows:

I. All students must agree to abide by the rules and regulations of the Honor System. A student will not be accepted at Armstrong State College unless he signs the following statement at the time of his first registration:

"I have read the regulations governing the Honor System at Armstrong State College, and I understand that as a student at Armstrong, I must comply with all of these requirements."

This statement and all rules and regulations governing the Honor System will be printed in the official bulletin and the Student Handbook. The Statement will also be printed on the application form for admission to be signed by the student before admission to the college.

It will be the responsibility of the Honor Council to conduct an extensive orientation program at the beginning of each quarter for all newly entering students to explain fully the requirements of the Honor System and to allow full discussion of these regulations.

II. The following will be considered violations of the Honor Code:

- (1) Academic dishonesty of any kind (giving or receiving any unauthorized help on any assignment, test or paper. At the beginning of each quarter it shall be the responsibility of each teacher to make clear what shall be considered unauthorized help in his course).
- (2) Stealing only when related to cheating.
- (3) Lying before the Honor Council.
- (4) Failure to report a known offense.  
(Lying or stealing in any other cases will be considered disciplinary, not Honor, matters.)

III. Ways of reporting a violation of the Honor Code:

- (1) Self-reporting: A student who has broken the Honor Code should report himself to a member of the Honor Council.
- (2) Anyone (faculty member or student) who is aware of a violation of the Honor Code must report the matter. This may be done in one of two ways:

- a) He may tell the person thought to be guilty to report himself to a member of the Honor Council no later than the end of the next school day. After this designated time the person who is aware of the violation must inform a member of the Honor Council so that the Honor Council may contact the accused person if he has not already reported himself.
- b) He may report the suspected violation directly to a member of the Honor Council without informing the accused.

IV. The Honor Council will be composed of eleven students:

- (1) A president, who must be a member of the senior class, to be elected by the entire student body.
- (2) A vice-president, a senior, elected as above.
- (3) A secretary, who must be a junior, elected as above.
- (4) Two representatives each from the freshman, sophomore, junior, and senior classes, elected by the members of their respective classes.

The election of officers will be held in the Spring Quarter. The election of class representatives will be held in the Fall Quarter. During Summer School, any member of the previous year's Honor Council who is attending summer classes will continue on the Honor Council for the summer. These along with the three officers elected in the previous Spring Quarter will appoint other students in Summer School to fill the remaining vacancies. Any officer not present in the Summer School will be temporarily replaced by appointment of the Summer School Honor Council.

Qualifications for membership — All officers and representatives (except freshmen) must have an overall average of "C" or better for all work at Armstrong. Freshmen representatives must have an overall average of "C" or better from high school work.

Any student not in good standing with the college in academic or disciplinary matters is ineligible to serve on the Honor Council.

Any member of the Honor Council who falls below these requirements during his term of office will be replaced by his next runner-up from the previous election.

The Honor Council will be responsible for its own bylaws.

V. Until there are four classes at Armstrong, the following students will compose the Honor Council:

For 1964-65 and 1965-66 school years:

The president and vice-president must be upper classmen, elected by the entire student body.

The secretary must be a freshman, elected by the entire student body.

There will be four representatives from each of the two classes elected by their respective classes.

For 1966-67 school year:

The president and vice-president must be juniors, elected by the entire student body.

The secretary must be a sophomore, elected by the entire student body.

There will be two junior, three sophomore, and three freshman representatives, elected by each respective class.

VI. Honor Council procedure for examining a reported violation:

- (1) It is recommended that an Honor Council meeting be called by the president to examine a reported violation as soon as possible after such a report.
- (2) At the meeting the Honor Council will hear the accusation, the testimony of any witnesses, and any defense the accused may wish to present.
- (3) The accused will have the right to hear all witnesses and all evidence brought before the Honor Council.
- (4) The accused will be considered innocent until proved guilty.
- (5) Nine members of the Honor Council will constitute a quorum.
- (6) The secretary will keep minutes of all meetings and all official testimony will be tape recorded.
- (7) A vote of two-thirds majority of the members of the Honor Council present and voting will be necessary for the conviction of the accused.
- (8) The vote will be taken by secret ballot.

VII. If the accused is found innocent by vote of the Honor Council, the case will be closed; and all records pertaining to this case will be destroyed; and no further action will be taken.

If a person is found guilty, the Honor Council will recommend to the President of Armstrong State College:

- (1) Suspension from school for any number of quarters (the minimum suspension will be for the remainder of the quarter in which the violation occurs).
- (2) Expulsion from school.

All decisions of the Honor Council will be made as recommendations to the President of Armstrong State College, who will decide on the action to be taken. After the President of the College has decided on his course of action, he will inform the accused person of this decision in writing, and the President will post an official notice on the bulletin boards announcing his action without mentioning the name of the accused.

VIII. Although the College feels that the above two recommendations are appropriate for academic dishonesty, it also recognizes that unique circumstances may arise. For such cases a series of appeals is open to the convicted student. He may appeal either the conviction or the punishment or both in the following ways:

- (1) To the President of Armstrong State College in a letter.
- (2) The President's decision may be appealed to the Chancellor of the University System of Georgia in a letter.
- (3) The Chancellor's decision may be appealed to the Board of Regents of the University System of Georgia in a letter.

IX. Each student will be required to write on every written assignment, test, or paper a pledge that he has neither given nor received any unauthorized help on this work. This may be done by writing the word "Pledged" followed by the student's signature.

X. A revision of the Honor System will require a majority vote of the faculty and of the student body.

### Academic Advisement

Every student who enters Armstrong State College indicates at the time he applies for admission what major program he hopes to follow toward a degree, either at Armstrong or at another college.

If the student has not yet decided upon a choice for his major program, he may attend several advising sessions during the orientation period. In fact, it is not necessary in many major programs for the Bachelor of Arts degree to make a clear choice until the end of the sophomore year. If a student waits one or two years to choose a major program leading to a Bachelor of Science degree, he will probably find that he must take additional courses to meet graduation requirements. For a student attempting to choose a major field during his first two years the Office of the Dean of Student Affairs offers counselling helps, and faculty members are happy to discuss aspects of their field.

During Orientation Week and before registration all new entering students, both freshmen and transfer students, will meet with the

faculty adviser for the major program they have indicated. The adviser will guide them at this time in mapping out a schedule for the first two years. The student is then responsible for taking the courses required for his program, as outlined in the college Bulletin, in the proper sequence, during his freshman and sophomore years. If the student has questions concerning the courses required or the proper scheduling of them during these first two years, he should see the faculty adviser assigned by his major department to confer with students during the pre-advisement period scheduled in the college calendar. Since the student is responsible for fulfilling the requirements of his program, he does not need the written approval of a faculty adviser in order to register for courses each quarter.\*

During the third quarter of his sophomore year, a student hoping to pursue a four-year major program should take to the faculty adviser assigned by his major department a list of the courses he has completed with grades. Having satisfactorily completed the requirements for the first two years of his major program, he will then be admitted formally to the third year of the major program and guided by the departmental adviser in mapping out his curriculum for the last two years. During the six quarters of his junior and senior years the student must have his course selection approved in writing by the departmental adviser each quarter before registration. The proper time for this is during the pre-advisement period listed in the college calendar. During these last two years, the adviser will keep a record of the courses the student takes and the grades he makes, and during the Fall Quarter of the senior year, the adviser will signify to the Registrar whether the student has completed all requirements for graduation in that major program up to that time, and is therefore recommended for graduation.

### Relating to Degree Requirements

1. Each student is responsible for fulfilling the requirements of the degree program which he has chosen, in accordance with the regulations of the college catalogue.
2. Exceptions to course requirements for a degree are permitted only by the written approval of the Dean of the College upon the recommendation of the department head.
3. A student will graduate under any catalogue in effect from his time of entrance to the college. However, after an absence from Armstrong State College of two or more consecutive years, a student must meet the requirements of a catalogue in effect after his return.

\*However, a student must be extremely careful to observe all regulations for admission to courses, such as the requirement of other prerequisite courses, sometimes with a specified grade. Credit for a course is invalid unless all its prerequisite requirements are observed.

4. Not more than one-fourth of the work counted toward a degree may consist of courses taken by correspondence or extension. No correspondence courses may be used to meet the requirements in the major field or related fields for the Bachelor's degree or for English composition or foreign language. No correspondence courses may be taken while a student is enrolled.
5. Examination on the history and Constitution of the United States and of the State of Georgia is required of all persons receiving a degree from this college, except those having had courses dealing with these subjects. The Department of History will post a list of courses satisfying the requirement. It will offer an examination satisfying the requirement in the fall and spring quarters. (See the College Calendar.)
6. For a Bachelor's degree, a student must earn at Armstrong State College the last 45 quarter hours of credit before graduation in quarter hour credits numbered 200 or above. At least half the courses required in the major field must be taken at Armstrong State College.
7. Before a degree will be conferred upon a student by Armstrong State College, all fees must have been paid, and the Registrar must have been notified in writing at least by the end of the preceding Fall Quarter of his intention to graduate. A candidate for a degree, unless excused in writing by the President, Dean of the College, or Dean of Student Affairs, must attend the graduation exercises at which a degree is to be conferred upon him.

## Course and Study Load

The normal course load for full-time students is 15 quarter hours (and a course in physical education during the freshman and sophomore years). An average student should devote at least thirty hours each week, in addition, to course preparation.

The maximum course load for a student who works full-time is 11 quarter hours. A working student should plan about ten hours preparation for each 5 quarter hour course.

Permission to enroll for more than 17 quarter hours will be granted by the Registrar to a student

- a) with an average grade of "B" for the preceding quarter, or
- b) in an engineering program, or
- c) requiring an extra course in one of the two quarters prior to graduation.

No student will be allowed to register for more than 21 quarter hours in any one quarter.

Exceptions to these limitations may be made only by the Dean of the College.

Every student enrolled for 15 quarter hours or more must take at least one academic course (or a science laboratory section) in the afternoon. (If a student plans to work part-time, he should arrange his working hours after he registers for courses.)

## Reports and Grades

It is felt by the faculty that students in college should be held accountable for their scholarship. Accordingly, grade reports, warnings of deficient scholarship and all such notices are not sent to parents or guardians by the Registrar except on request. Instead the students themselves receive these reports and are expected to contact their advisers whenever their work is unsatisfactory. Report cards are issued at the end of each quarter. Reports of unsatisfactory grades are issued in the middle of each quarter. Each student has access to an adviser; in addition, the Registrar and all instructors are available to help any student seeking assistance.

Reports are based on the following system of grading:

Numerical Span		Honor Points
A+	95 - 100	4.5
A	90 - 94	4
B+	85 - 89	3.5
B	80 - 84	3
C+	75 - 79	2.5
C	70 - 74	2
D+	65 - 69	1.5
D	60 - 64	1
F	Below 60	0
I	Incomplete	
W	Withdrew with no grade	
WF	Withdrew failing	
NC	No credit	

A student who receives an "I" (incomplete grade) should consult his instructor at once and arrange to complete the requirements of the course. An "I" grade which has not been removed by the middle of the succeeding quarter automatically becomes an "F".

## Honors

*Dean's List:* Students enrolled for at least five quarter hours of course work who earn an honor point average of at least 3.5 will be placed on the Dean's List, which is published quarterly.

*Cum Laude:* Those students graduating with an honor point average of 3.2 through 3.5 will be graduated *cum laude*.

*Magna Cum Laude:* Those students graduating with an honor point average of 3.6 through 3.9 will be graduated *magna cum laude*.

*Summa Cum Laude:* Those students graduating with an honor point average of 4.0 through 4.5 will be graduated *summa cum laude*.

## Attendance

The control of student attendance at class meetings and the effect of a student's attendance on his grades in a course is left entirely to the discretion of the instructor.

A student is responsible for knowing everything that is announced, discussed, or lectured upon in class as well as for mastering all assigned reading; he is also responsible for turning in on time all assignments and tests, including recitation and unannounced quizzes. The best way to meet these responsibilities is to attend classes regularly. An instructor may drop a student from any class with a grade of "WF" if he thinks that excessive absence prevents that student from satisfactorily fulfilling his responsibilities. If such excessive absence is the result of prolonged illness, death in the family, college business, or religious holidays the withdrawal grade will be either "W" or "WF" depending on the student's status at the time he was dropped. Each instructor will be responsible for informing his classes on their meeting what constitutes excessive absence in the particular class. Each student is responsible for knowing the attendance regulation in his class and for complying with it.

## Physical Education Program

All students who are enrolled for ten quarter hours or more on the day schedule and who are candidates for degrees are required to take six physical education courses, one in each quarter of the freshman and sophomore years, with the sequence of 111, 112, 113 in the freshman year. A student graduating with an A. A. degree in less than six quarters must take one course in each quarter of his freshman and sophomore years.

The department requires all students to make up excused absences; unexcused absences lower the final grade.

Physical education is not required of anyone beyond the age of 25, or of anyone enrolled primarily in evening classes.



## Academic Probation and Dismissal

A student failing to maintain the following grade point average on all work attempted at Armstrong State College will be placed on academic probation for two quarters.

Quarter Hours	Grade Point Average
45	1.6
90	1.8
135	1.9
180	2.0

A student who is placed on academic probation while he is enrolled as a full-time student (one who enrolls for 12 or more quarter hours) must register for and successfully complete 10 or more quarter hours of academic work, for at least the next two quarters in which he is enrolled, with a 2.0 gradepoint average or better to be eligible to remain in school.

A student who is placed on academic probation while enrolled as a part-time student (one who enrolls for less than 12 quarter hours) must register for and successfully complete at least 5 quarter hours of academic work for at least the next two successive quarters in which he is enrolled, with a gradepoint average of 2.0 or better to be eligible to remain in school.

Failure to meet the above requirements for probation will result in the dismissal of the student for two quarters.

A probationary student, if allowed to remain in school, shall remain on probation until his cumulative gradepoint average reaches or exceeds the gradepoint average indicated above as minimal for the appropriate year.

A full-time student (one who enrolls for 12 or more quarter hours) who fails to pass at least one course other than physical education in any quarter will be dismissed from the college for two quarters. A part-time student (one who enrolls for less than 12 quarter hours) who fails to pass at least one course other than physical education in two successive quarters will be dismissed from the college for two quarters. A grade of "I" (incomplete) will be considered an "F" until it is removed.

A student re-entering the college after academic dismissal will be placed on academic probation for two successive quarters.

A student dismissed for academic reasons may appeal his dismissal to the Committee on Academic Standing. Such appeals must be made in writing to the Committee (addressed to the Secretary), should state the nature of all extenuating circumstances relating to his academic deficiency, and must be received by the Committee by the time of its announced meeting.

A third dismissal for failure to meet the academic standards of the college shall in all cases be final.

### **Withdrawals**

A formal withdrawal from College presented to the Registrar in writing, is a pre-requisite for honorable dismissal from, or re-entrance into this institution. Any student planning to withdraw should immediately make such an intention known to the Registrar in writing. This notice is required to receive any authorized refunds. A refund will be considered only from date of notice.

A student should formally withdraw from any class by securing the permission of the Dean of Student Affairs and of his instructor. This written approval should be filed in the Registrar's office.

If a student withdraws from a course not more than 7 academic days after the first day of classes, no record of this course will be entered on his transcript. A student who withdraws from a course eight academic days or more after the first day of classes will receive a grade of "W" or "WF" depending upon his status at the time of the withdrawal.

A student on probation who withdraws from a course will be considered to have violated the probation, whether or not he was passing at the time of withdrawal.

### **Auditing**

A regular student wishing to "audit" a course without receiving credit must obtain the written permission of the instructor before he registers for the course. (Policy for some courses forbids "auditing") An "auditor" cannot change to regular credit status after the first week of class. A student may not change from credit status to audit status after the first seven class meetings. A student who registers for a course as an "auditor" receives no credit, "N. C.", on his transcript. Regular schedules of fees apply to auditors.

# **STUDENT SERVICES and ACTIVITIES**

The Division of Student Affairs, administered by the Dean of Student Affairs, is responsible for all student services and activities. In addition to formal classroom instruction, the College recognizes the need for providing programs and services which contribute to a well-rounded college experience. Such programs are administered by the Division of Student Affairs through the following individuals: Registrar and Admissions Officer, Counselors, Director of Financial Aids, Director of Student Activities, Alumni Secretary, and the campus Nurse.

## **Academic Advisement**

Before and during registration, members of the faculty are available to students for assistance in the selection of course work and in the scheduling of classes. Information concerning degree requirements and college regulations is provided and topics of general academic interest may be discussed.

By the end of the sophomore year, students are required to designate a major field and are assigned to a faculty adviser in that area. The faculty adviser then works closely with the student in planning a program leading to the successful completion of degree requirements.

## **Counseling Services**

The Faculty and Administration of Armstrong State College recognize that students are frequently confronted with difficult and important decisions. In some instances students need the competent assistance of professional persons who have been trained to deal with the specific problems of college students.

In light of these needs, qualified Testing and Guidance Counselors are located in the Office of Student Personnel to help students in (1) clarifying educational and vocational objectives, (2) developing effective study skills and habits, and (3) dealing with problems of social and emotional significance.

## **Orientation**

Orientation for freshmen is scheduled prior to registration for the fall quarter. The program is designed to assist students in making the transition from high school to college and to acquaint them

with school policies, traditions, and procedures. The Orientation Program includes an introduction to administrative officials and faculty; a presentation of the purposes and academic progress of Armstrong State College; indoctrination concerning the college's regulations and requirements; an introduction to student leaders and student activities; a survey of the facilities of the school; an opportunity for the student to plan a program with counselors; and social events. Attendance is required.

## Financial Aids

A college education for qualified students, regardless of their economic circumstances, is the guiding principal behind Armstrong State College's program of student financial aid. Through an expanding program of financial aid which offers scholarships, short-term loans, and student employment, Armstrong State College tries to make it possible for all qualified students with limited resources to attend college.

In selecting a financial-aid recipient, special consideration is given to the applicant's record of achievement and promise of success. Gift scholarships usually specify high academic standards as an eligibility requirement; otherwise full-time students in good standing who progress normally toward their degree-goal are eligible for financial aid.

Armstrong State College uses the College Scholarship Services which evaluates the Parents' Confidential Statement. Freshmen may secure this form from the local high school counselor, from the Student Personnel Office of the College, or from the College Scholarship Service, P.O. Box 176, Princeton, New Jersey. Applications which do not include this financial data are incomplete and cannot be considered. Applications for scholarships must be filed before May 14 (exception—April 30 is the deadline for Regents Scholarships). Final action cannot be taken until the applicants have been accepted for admission to the college; thus, early application is urged.

### Scholarships

Alpha Tau Beta

Armstrong State College Alumni Association

Chatham County Teachers' Association

Chatham Education Association Scholarship

Edward McGuire Gordon Memorial Scholarship

Robert W. Groves Scholarships

Jenkins Scholarships

Junior Chamber of Commerce Scholarship  
Arthur Lucas Memorial Scholarships  
Pilot Club of Savannah  
Plumrite  
Port City Lions Club  
Rebel Chapter, American Business Women's Club  
Savannah Gas Company  
Savannah Pharmaceutical Association  
Harry G. Strachan, III, Memorial Scholarship  
Strachan Shipping Company

### Regents' Scholarships

Another source of scholarship aid for students who are residents of the State of Georgia is the Regents' Scholarship. These scholarships, varying from \$250 to \$1,000, are awarded to superior students who are in need of financial assistance to attend college. To be eligible for a Regents' Scholarship a student must have grades or predicted grades that place him in the upper 25% of his class. Recipients of Regents' Scholarships are expected, upon completion of their program of study, to reside in the State of Georgia and work one year for each \$1,000 of scholarship aid received.

Further information on these scholarships and application forms may be obtained from the Student Personnel Office at the College. The deadline for applying for the Regents' Scholarships is April 30.

### Financial Aid Application Procedure

A financial applicant should take the following steps:

1. File Armstrong State College Financial Aid Application Form with Director of Financial Aid, Student Personnel Office by May 14 for fall quarter.
2. Apply for admission to Armstrong State College through the regular Admissions Office.
3. Take the College Entrance Examination Boards in December or January and have SAT scores sent to Armstrong State College.
4. Have parents (or guardian) complete and submit the Parents' Confidential Statement to College Scholarship Service, Box 176, Princeton, New Jersey, requesting that the Need Analysis be sent to Armstrong State College.

When the Director of Financial Aid has received all items listed above, then and only then, will consideration be given to the student's request.

Other Sources of Financial Aid to  
Armstrong State College

Short-term and long-term loans are available at low interest rates through the Kiwanis and Rensing Loan Funds.

*Clinton Lodge No. 54, F. & A.M. Scholarship*—This scholarship is for graduates of the regular high school of the Public School System of Chatham County. Grants will be awarded to students whose family income is \$7,500 or less; who stand in the top 30% of their class; who have a combined SAT score of 900, and who are of good character. Return to: Education Committee, Clinton Lodge No. 54, F. & A.M., P.O. Box 992, Savannah, Georgia, by June 1.

*Solomon's Lodge No. 1, F. & A.M. Scholarship*—Two scholarships for \$240 each to be awarded to a graduate of a tax-supported high school. Apply to: Committee on Scholarship Awards, Solomon's Lodge No. 1, F. & A.M., P.O. Box 1711, Savannah, Georgia.

*Savannah Chapter, National Secretaries Association*—One scholarship covering tuition, fees and expenses, for a female student majoring in secretarial science. Apply to: High School Counselor or typing teacher.

*William F. Cooper Education Fund*—Provides scholarships to female students in all fields except law, theology, and medicine (nursing and medical technology are acceptable). Apply to: Trust Department, Savannah Bank & Trust Company, between April 1 and May 31.

*State Teachers' Scholarships*—Provide scholarship funds for students who will enter the field of teaching in the State of Georgia. Apply to: Georgia State Teachers' Scholarship Program, State Department of Education, Room 247, State Office Building, Atlanta, Georgia 30303.

*The State Scholarship Commission*—Provides scholarships for students who cannot otherwise finance the cost of a program of study in dentistry, nursing, pharmacy, social work, paramedical fields and other educational and professional fields of study as defined and approved by the Commission.

*Ty Cobb Education Foundation Scholarship*—Provides scholarship aid for residents of the State of Georgia who have completed their freshman year in college. Apply to: Ty Cobb Educational Foundation Scholarships, Room 454, 244 Washington Street, S.W., Atlanta, Georgia 30303.

*Pickett & Hatcher Educational Fund*—Provides loans at reasonable interest rates to students in need of such aid to attend college. Apply to: Pickett & Hatcher Educational Fund, P.O. Box 1238, Columbus, Georgia.

*Savannah Pharmaceutical Association Scholarship*—One scholarship for \$200 for a freshman student majoring in pre-pharmacy to attend Armstrong College (or the University of Georgia). Apply to: Mr. Thomas C. Crumbley, Chairman, Scholarship Committee, Savannah Pharmaceutical Association, c/o Crumbley's Pharmacy, 1502 Waters Avenue, Savannah, Georgia.

*Chatham Artillery Scholarships*—A number of scholarships for \$250 each to members of the Chatham Artillery attending college full time. Apply to the Chatham Artillery.

*State Department of Vocational Rehabilitation*—Students who have had a physical or emotional handicap, and have been treated successfully, and are considered acceptable for vocational rehabilitation, may receive financial assistance to attend college through the State Department of Vocational Rehabilitation. Apply to: 35 Abercorn Street, Savannah, Georgia.

It is anticipated that *Educational Opportunity Grants* established through the Higher Education Act of 1965 will provide gift assistance ranging from \$200 to \$800 for certain qualified first year students.

*The Georgia Higher Education Assistance Corporation* has a program of state guaranteed loans for Georgia residents in which the student borrows from his local bank for school expenses to be paid back after he leaves school.

### Student Assistantships

A limited amount of financial aid is available to students through the Work-Study Program and the College Student Assistantship Program. Through these programs a number of part-time, on campus, jobs are made available to students who need financial assistance. Interested individuals should contact the Student Personnel Office prior to the beginning of each quarter.

The Student Personnel Office also maintains a file of available part-time jobs in the community and is glad to assist students, whenever practicable, in locating outside work.

## Conduct

Every student who enrolls in a course at Armstrong State College commits himself, by the act of enrolling, to full compliance with the rules and regulations of the Honor System. This system was written by a joint student-faculty committee, at the request of the students, and was adopted by an overwhelming vote of the student body and of the faculty in 1965. It is a fundamental part of our academic community's way of life. The Honor System is given under "Academic Regulations" in this Bulletin and in the Student Handbook.

Compliance with the regulations of the faculty and the Regents of the University System and Georgia is assumed. Gambling, hazing, and the use on the campus of intoxicating beverages are prohibited.

### **Student Activities and Organizations**

In addition to an outstanding academic program, Armstrong State College offers a complete schedule of extra-curricular student activities designed to contribute to the development of the student and assist him in becoming an active and productive member of the community in which he lives.

Student organizations at Armstrong State College reflect the natural variety of interests found in a diversified student body. Individuals who seek a well-rounded education will avail themselves of the varied opportunities afforded through the college program of student activities.

#### Student Government

The Student Government Association is the official governing body of the students at Armstrong State College. It assists in formulating a program of student services and activities, and it strives to express the will of the majority of students and to provide experience in democratic living.

All students are automatically members of the Student Government Association and entitled to a vote in matters of concern to students. Qualified students may seek positions of leadership in the Student Government Association by running for office during the spring quarter.

#### Student Publications

The two official student publications on campus are the "Inkwell", the college newspaper, and the "Geechee," the college annual. Both publications are produced entirely by students under the supervision of qualified faculty members. Financed in part by the Student Activity Fund, these publications provide opportunities in creative writing, reporting, and design.

#### Athletics

Armstrong State College participates in inter-collegiate athletic competition in basketball, baseball, and golf. Additional athletic opportunities are provided through the Intramural Program in the areas of basketball, softball, swimming, and volleyball.



### Clubs and Organizations

A variety of clubs and organizations representing varied interests and activities are available to students at Armstrong State College. These include academic interest clubs, dance and social organizations, hobby groups, religious groups, and others. The organized clubs on campus are listed below. In addition to these, many new groups are currently seeking recognition.

Cheerleaders	Wesley Foundation
Debate Team	Baptist Student Union
English Club	Glee Club
Future Secretaries	B'nai B'rith
Geechee	Canterbury Club
Inkwell	Westminister Fellowship
Masquers	A P O
Newman Club	

### **Cultural Opportunities**

Armstrong State College provides a variety of cultural opportunities for its students. Lectures by eminent scholars in the various academic fields and musical concerts by outstanding artists are an integral part of the program in general education. Student dramatic productions under professional direction and the student choral society have created distinguished traditions for these groups. The college purchases a large block of tickets for students to all concerts of the Savannah Symphony Orchestra.

### **Health**

Beginning July 1, 1966, a registered nurse will be on duty during the school hours. Students in need of her services should report to the Infirmary. A physical examination is required of each new student.

### **Alumni Office**

The prime purpose of the Alumni Office is to keep former students informed about the college, and to help them keep in touch with each other. Any person who at any time was matriculated as a regular student is eligible for membership in the Alumni Association, and upon payment of his dues will receive the quarterly newsletter, "The Geechee Gazette," and may vote and hold office in the Association. The Alumni Office assists in arranging class reunions, board meetings, and other functions.

### **Housing**

At the present time no dormitories are provided at Armstrong State College. Upon request, out-of-town students who desire to attend the College may receive from the Student Personnel Office a list of approved housing in the local community. The College does not provide supervision for such housing.

# CURRICULA and COURSE OFFERINGS

All degrees awarded by Armstrong State College include these minimum requirements:

	Quarter Hours
English Composition	10
Literature of the Western World	10
History of Civilization	10
Mathematics	10
Science	10
Physical Education	6

## I. Bachelor of Arts and Bachelor of Science

For graduation with the degree of Bachelor of Arts with a major in English, history or music, or Bachelor of Science with a major in biology, chemistry or mathematics the following requirements must be completed in accordance with the regulations stated in this bulletin. Requirements for each major program are described under the appropriate department.

Requirements for the degrees of Bachelor of Arts and Bachelor of Science.

### I. *General Requirements in the Liberal Arts and Sciences* Qtr. Hrs. (Core Curriculum)

1. English 101, 102, 201, 202 .....	20
2. One Foreign Language 101, 102, 103 <sup>(1)</sup> .....	15
3. Music, Art, or Philosophy 110 .....	5
4. History of Civilization 114, 115 .....	10
5. History of the United States .....	5
6. Two of the following courses: .....	10
Economics 201	
Political Science 113	
Psychology 201	
Sociology 201	
7. Mathematics 101, 102 or 105, 106 <sup>(2)</sup> .....	10

<sup>1</sup>To meet this requirement a student need not take language courses beyond 103 if he demonstrates proficiency in one or more of these. A student with two units of high school foreign language in the 9th and 10th grades will not receive credit for 101. A student with two units of high school foreign language in the 11th and 12th grades will not receive credit for 101 and 102. A student with more than two units of high school foreign language may request a placement examination.

<sup>2</sup>B.S. majors are required to take Mathematics 101, 102.

8. One of the following sequences of two courses: .....	10
Botany 121, 122	
Chemistry 121, 122	
Chemistry 128, 129	
Physics 211, 212	
Physics 217, 218	
Zoology 101, 102	
	85
II. Courses in the Major Field <sup>(3)</sup> .....	50-70
(No student will be allowed to take senior division courses in his major field unless he has a minimum of C in all prerequisite courses in that field.)	
III. Courses in Related Fields <sup>(4)</sup> .....	15-30
IV. Physical Education 111, 112, 113 and three 200 courses ...	6
V. Free Electives <sup>(5)</sup> .....	15 (or
more to complete a minimum of	
185 quarter hours, exclusive of	
physical education)	

## II. Teacher Education

Teacher education programs for elementary and secondary teachers must meet the requirements both for the academic degree and for certification by the State Department of Education.

Students who decide to follow either the elementary or secondary teaching program should apply at once to the Department of Education, preferably in the freshman year, and not later than the beginning of the junior year. The student who applies must be admitted to the program, usually at the end of the sophomore year, by recommendation of the Teacher Education Committee.

A student wishing to teach in elementary school should pursue the degree of Bachelor of Science in Elementary Education; a student wishing to teach in secondary school should pursue one of the major programs leading to the Bachelor of Arts or Bachelor of Science

<sup>3</sup>For its major program a department may not require more than 60 quarter hours at all levels in the major field, but it may recommend up to 70 quarter hours.

<sup>4</sup>For its major program a department will require from 15 to 30 quarter hours of specified courses or approved elective courses in related fields, and language courses reaching the degree of proficiency specified by the department. (If a course is counted as fulfilling the General Requirements, it will not also fulfill the requirement for "III Courses in Related Fields.") Total requirements for II and III may not exceed 85 quarter hours.

<sup>5</sup>For the B.A. and B.S. degrees a minimum of 185 quarter hours, exclusive of physical education, is required for graduation. For all degrees the completion of 90 quarter hours in courses numbered 300 or above is a requirement, except in approved programs in mathematics, the natural sciences, and music.

degree, with the additional requirements outlined under the Department of Education. In either the elementary or secondary program the requirements total no more than 200 quarter hours of academic work.

### Bachelor of Science in Elementary Education

I. General Requirements: 91 quarter hours	
1. Humanities: 30 quarter hours	
English 101, 102, 201, 202, 228 .....	25
Music 200, Art 200 or Philosophy 110 .....	5
2. Social Sciences: 30 quarter hours	
History 114, 115, 351, 352 .....	20
Political Science 113 .....	5
Geography 111 .....	5
3. Sciences: 25 quarter hours	
Botany 121, 122 or Zoology 101, 102 .....	10
Chemistry 121, 122 or Physics 211, 212 .....	10
Mathematics 105 .....	5
4. Physical Education: 6 quarter hours	
Physical Education 111, 112, 113 .....	3
Three 200 courses .....	3
II. Electives: 25 quarter hours	
1. Approved electives to establish added proficiency in one area to be known as the teaching field chosen to correspond to the elementary curriculum: English, social sciences, sciences, mathematics and modern foreign languages .....	20
2. Approved elective in related field .....	5
III. Specialized Courses: 30 quarter hours	
English 331 .....	5
Art 320 .....	5
Music 320 .....	5
Physical Education 320 .....	5
Mathematics 452 .....	5
Education 425 .....	5
IV. Professional Sequence Courses: 45 quarter hours	
Psychology 201, 301 .....	10
Education 103 or 303, 301, 435, 436, 446, 447, 448 .....	35

### III. Bachelor of Business Administration

For graduation with the degree of Bachelor of Business Administration with a major in *accounting*, *economics* or *management*, the following requirements must be completed in accordance with the regulations stated in this bulletin. For major concentrations, see requirements described under Department of Business Administration.

## Bachelor of Business Administration

For graduation with the degree of Bachelor of Business Administration the minimum requirements in the various fields of study will be:

I.	Humanities	
	A. Freshman English .....	10
	B. Literature of the Western World .....	10
	C. Music, Art, or Philosophy .....	5
		25
II.	Social Sciences	
	A. History of Civilization .....	10
	B. Principles of Economics .....	10
	C. Elective from History, Political Science, Psychology, Sociology .....	5
		25
III.	Natural Sciences	
	A. Mathematics (101, 102, 104 or 235, 204) .....	20
	B. Laboratory Science (sequence) .....	10
		30
IV.	Business Administration	
	Introductory Accounting .....	10
	TOTAL FRESHMAN AND SOPHOMORE (Other than Physical Education) .....	90
V.	Approved electives from the Humanities, the Social Sciences, Natural Sciences or Mathematics. History 351 or 352 <i>must</i> be included and English 228 (Fundamentals of Speech) is highly recommended. At least 15 qtr. hrs. <i>must</i> be in courses numbered 200 and above.	30
VI.	Business Core Requirements: .....	30
	Business Finance	
	Business Law	
	Principles of Management	
	Money and Banking	
	Labor and Industrial Relations	
	and one of the following:	
	Principles of Marketing	
	Public Finance	
	Government and Business	

VII. Major Concentration (see Departmental requirements) .....	30
VIII. Physical Education .....	6
<b>TOTAL REQUIREMENTS .....</b>	<b>191</b>

**Bachelor of Business Administration Degree  
(Major in Business Education)**

I. Humanities	
A. Freshman English .....	10
B. Literature of the Western World .....	10
C. Music, Art, or Philosophy .....	5
	—
	25
II. Social Sciences	
A. History of Civilization .....	10
B. Principles of Economics .....	10
C. American Government .....	5
	—
	25
III. Natural Sciences	
A. Mathematics (including 204) .....	15
B. Laboratory Science (sequence) .....	10
	—
	25
IV. Business Administration	
Introductory Accounting .....	10
V. Approved electives from the Humanities, the Social Sciences, Natural Sciences, or Mathematics. History 351 or 352 <i>must</i> be included and English 228 (Fundamentals of Speech) is highly recommended. At least 15 qtr. hrs. must be in courses numbered 200 and above.	30
VI. Business Administration .....	20
Four courses selected from 300 or 400 level Business Administration Courses	
VII. Commerce .....	25
Typing	
Shorthand	
Business Communications	
Office Practice and Procedures	

VIII. Education 103 and six other professional courses required for certification. ....	35
IX. Physical Education .....	6
Total Requirements .....	201

#### IV. Bachelor of Science in Medical Technology

	Qtr. Hrs.
1. English 101-102, 201-202 .....	20
2. History of the U. S. ....	5
3. History 114-115 . . . . .	10
4. Mathematics 101-102 .....	10
5. Foreign Languages (15 qtr. hrs. or 10 qtr. hrs. plus elective) .....	10-15
6. Psychology 201, Sociology 201 .....	10
7. Physics 211, 212 .....	10
8. Chemistry 128-129, 281-282, 341-342 .....	30
9. Zoology 101-102, 325-326 .....	20
10. Biology 351-352 .....	10
One course from the following:	
Entomology 301 .....	5
Zoology 357 .....	
Zoology 372 .....	
Zoology 390 .....	
Physical Education .....	6
Elective .....	5
	151-156

After satisfactorily completing the required number of courses and hours listed above, the degree candidate must complete 12 months in Clinical Medical Technology at an approved hospital. With the completion of this work and satisfactorily passing the examination given by the Registry of Medical Technologists, the student will be awarded the degree of Bachelor of Science.

Armstrong State College cooperates with Memorial Hospital of Chatham County in giving a B. S. degree with a major in Medical Technology. This program has been approved by the Council on Medical Education of the American Medical Association and by the Board of Schools of Medical Technology of the American Society of Clinical Pathologists.

The Coordinator of this degree program is Dr. L. B. Davenport, Jr., Head of the Department of Biology.



## V. Associate in Arts

For the two-year degree of Associate in Arts a student must complete the last 45 quarter hours of course work in this program at Armstrong State College. The program is designed to provide a substantial liberal education as a base for upper-division specialization.

	Qtr. Hrs.
1. English 101, 102, 201, 202 .....	20
2. History 114, 115 .....	10
3. One of the following sequences of two courses: .....	10
Botany 121, 122	
Chemistry 111, 112	
Chemistry 121, 122	
Physics 211, 212	
Physics 217, 218	
Zoology 103, 104	
4. Mathematics 101 <i>or</i> 105 .....	5
5. Two of the following courses: .....	10
Economics 201	
Political Science 113	
Psychology 201	
Sociology 201	
U.S. History 351 <i>or</i> 352	
6. One of the following courses: .....	5
Music	
Art	
Philosophy 110	
7. Physical Education 111, 112, 113 and three 200 courses .....	6
8. Electives* .....	30
	96

The Registrar will evaluate the transcripts of students who petition for graduation in terms of the requirements for each of the following varieties of degree:

1. Bachelor of Arts with a major in English

\*If a student plans to continue work in the future toward a Bachelor's degree, he should select courses that will meet the listed requirements of a Bachelor degree program.

2. Bachelor of Arts with a major in English and requirements for secondary certification
3. Bachelor of Arts with a major in History
4. Bachelor of Arts with a major in History and requirements for secondary certification
5. Bachelor of Arts with a major in Music
6. Bachelor of Arts with a major in Music and requirements for secondary certification
7. Bachelor of Science with a major in Biology
8. Bachelor of Science with a major in Biology and requirements for secondary certification
9. Bachelor of Science with a major in Chemistry
10. Bachelor of Science with a major in Chemistry and requirements for secondary certification.
11. Bachelor of Science with a major in Mathematics
12. Bachelor of Science with a major in Mathematics and requirements for secondary certification
13. Bachelor of Science in Elementary Education
14. Bachelor of Business Administration with a major in Accounting
15. Bachelor of Business Administration with a major in Economics
16. Bachelor of Business Administration with a major in Management
17. Bachelor of Business Administration with a major in Business Education
18. Bachelor of Science in Medical Technology
19. Associate in Arts
20. Associate in Arts in Nursing

# COURSE OFFERINGS

Armstrong State College reserves the right to (1) withdraw any course for which less than ten students register, (2) limit the enrollment in any course or class section, (3) fix the time of meeting of all classes and sections, and (4) offer such additional courses as demand and faculty warrant.

No credit will be given in beginning courses in languages where the same or similar courses have been presented for admission from high school.

Where two or more courses are listed under one description no credit for graduation will be given until the sequence is completed, for example: Zoology 103-104.

After each course name, there are three numbers in parentheses. The first number listed is the number of hours of lecture; the second, the number of hours of laboratory; and the third, the number of quarter hours of credit the courses carries. For example: Botany 121—General Botany (3-4-5).

Courses numbered 100 to 199 are generally planned for the freshman level; courses numbered 200 to 299 for the sophomore level; courses numbered 300 to 399 for the junior level; courses numbered 400-499 for the senior level.

## Anthropology

(See listing under Department of Psychology and Sociology)

## Art

(See listing under Department of Fine Arts)

## DEPARTMENT OF BIOLOGY

Professor Leslie B. Davenport, Jr., *Head*; Associate Professors Crosby and Thorne; Assistant Professor Ashbrook

### Departmental Requirements for the Major in Biology

The major in biology consists of Zoology 101-102, Botany 121, and at least 40 quarter hours credit in biology courses (botany, zoology, etc.) numbered 300 or above. In addition, biology majors must complete the course sequence in organic chemistry (15 quarter hours). The course in General College Physics (15 quarter hours) is strongly recommended and should be considered essential for those who expect to continue the study of biology beyond the B.S. degree.

Every student acquiring a major in biology must include in his program the following courses: Botany 375 or Zoology 353; Biology 370; and Botany 380 or Zoology 390.

### Course Offerings

*Biology 210—Microbiology (3-4-5)*. Prerequisites: 10 hours of biological science with laboratory and 5 hours of inorganic chemistry.

An introduction to the study of micro-organisms with primary emphasis on bacteria. The morphology, life history, and public health importance of representative bacteria, molds, viruses, protozoa, and helminths are considered. This course is intended primarily for nursing students.

*Biology 351—Introductory Microbiology, I. (3-4-5)*. Prerequisites: 10 hours of biological science, 5 hours of physical science (with lab) and 5 hours of organic chemistry.

A survey of micro-organisms with special emphasis on bacteria and their relationship to man.

*Biology 352—Introductory Microbiology, II. (3-4-5)*. Prerequisite: Biology 351.

Morphology, Physiology, taxonomy, ecology, isolation, and culture of viruses, rickettsiae, bacteria, yeasts, lower "molds", and pathogenic protozoa.

*Biology 358—Histological Technique. (0-10-5)*. Prerequisites: Botany 121-122 or Zoology 325-326.

Principles and methods of killing, fixing, embedding, sectioning, staining, and mounting plant and animal materials for study.

*Biology 370—Genetics (3-4-5)*. Prerequisites: Botany 122 or Zoology 326.

An introduction to the principles of biological inheritance.

*Biology 380—General Ecology (3-4-5)*. Prerequisites: Two upper division courses in biology (botany or zoology)

A survey of the principles of ecology and their application to the welfare of man, co-ordinated with a study of populations and communities in the field.

*Biology 400—Field Biology*. Ten quarter hours credit. Eight weeks, summer session. Lectures, laboratory and extensive field studies. Prerequisites: 25 quarter hours in the Biological Sciences with at least 5 hours in animal science and 5 hours in plant science. Geology recommended. At Armstrong State College five hours credit may apply toward the major in biology, the other five hours will apply as elective credit.

The study of representative terrestrial and aquatic flora and fauna and the interplay with their environments. Frequent one day field

trips within a thirty-mile radius of the Field Station at Rock Eagle and one or more extended field trips of several days duration. For details, consult the Department Chairman.

*Biology 410—Cellular Physiology (3-4-5)*. Prerequisites: Zoology 390 and one other senior division course in biology, plus 5 hours of organic chemistry.

A consideration of the relationships between sub-microscopic anatomy and cell chemistry, emphasizing permeability, metabolism, and growth.

*Biology 440—Cytology (2-6-5)*. Prerequisite: Two senior division courses in biology.

The study of cells, their cytoplasm and nuclei, metabolism, growth, differentiation, and reproduction.

*Biology 450—Evolution (3-0-3)*. Prerequisite: major in biology (at least 15 qtr. hrs. credit in senior division courses).

Modern concepts in organic evolution.

*Botany 121—General Botany (3-4-5)*.

A study of the structure of the roots, stems, and leaves, basic physiology and ecology of plants. Laboratory work on representative species.

*Botany 122—General Botany (3-4-5)*. Prerequisite: Botany 121.

A study of reproduction, heredity, and evolution of seed plants, with studies of representative species of the other major plant groups. Laboratory work includes field trips.

*Botany 305—Identification of Flowering Plants (0-10-5)*. Prerequisites: Botany 121 and 122 or equivalent in other biological sciences.

Studies in the identification of plants with emphasis on wild flowers.

*Botany 323—Plant Anatomy (0-10-5)*. Prerequisite: Botany 121-122.

The origin and development of the organs and tissue systems of vascular plants, and a comparative study of the structure of roots, stems, leaves, flowers and fruits.

*Botany 380—Plant Physiology (3-4-5)*. Prerequisites: Botany 121 and 122.

A survey of physiological processes occurring in economic plants and the conditions which affect these processes.

*Entomology 301—Introductory Entomology I* (3-2-4). Prerequisites: Two courses in plant or animal biology.

An introduction to the study of insects—their structure, identification, and biology.

*Entomology 302—Introductory Entomology II* (3-2-4). Prerequisite: Entomology 301.

A continuation of an introduction to the study of insects—including population dynamics, economic importance, and control measures.

*Zoology 101-102—Introductory Zoology* (8-6-10).

A basic course intended to acquaint the student with biological principles and their application with emphasis upon the human organism. The second quarter is a continuation of the first; no credit is allowed toward graduation until the sequence is completed.

*Zoology 108-109—Human Anatomy and Physiology* (6-8-10). Not open to pre-professional students in the biological sciences.

A basic course considering the gross anatomy, histology and physiology of the organ systems. Laboratory work includes thorough dissection of a typical mammal as well as basic experiments in physiology. The second quarter is a continuation of the first; no credit is allowed toward graduation until the sequence is completed.

*Zoology 325—Invertebrate Zoology* (3-4-5). Prerequisite: Zoology 101-102 or Botany 121-122.

A survey of the invertebrate animals, their biology, structure, and relation to other animals.

*Zoology 326—Vertebrate Zoology* (3-4-5). Prerequisite: Zoology 101-102 or Botany 121-122.

A study of the structure, body functions, interrelations, and natural history of the vertebrate animals.

*Zoology 355—Embryology* (3-4-5). Prerequisites: Zoology 326 or equivalent in another biological science.

An elementary course in embryology in which the chick is used to illustrate the basic principles of developmental anatomy.

*Zoology 356—Comparative Anatomy of the Vertebrates* (3-6-6). Prerequisite: Zoology 326.

A study of the anatomy and evolution of the organ systems of the vertebrates.

*Zoology 357—Animal Histology* (3-4-5). Prerequisites: Zoology 325 and Zoology 326.

A study of the tissues and their organization into organs and organ systems in animals.

*Zoology 372—Parasitology* (3-4-5). Prerequisites: Zoology 325 and 326.

A comparative study of the internal parasites of man and the lower animals.

*Zoology 390—General Animal Physiology* (3-4-5). Prerequisite: Zoology 101-102 and Organic Chemistry.

An introduction to general physiological processes.

*Zoology 429—Endocrinology* (3-4-5). Prerequisites: Zoology 390 and one other senior division course in biology.

Physiology of the endocrine glands, their control of metabolism and reproductive cycles.

## General Schedule for Upper Division Courses in Biology

y—each year

2y—alternate years

### Fall

Embryology (y)  
Histology (y)  
Microbiology I (y)  
Cytology (2y) (not in 66-67)  
Plant Anatomy (2y)  
General Entomology (2y)

### Winter

Comp. Vert. Anatomy (y)  
Genetics (y)  
Animal Ecology (2y) (not in 66-67)  
Microbiology 11 (2y)  
Plant Physiology (2y) (not in 66-67)  
Endocrinology (2y) (not in 66-67)

### Spring

Anim. physiology (y)  
Plant Taxonomy (y)  
Parasitology (y)  
Plant Ecology (2y) (not in 66-67)  
Microtechniques (2y)

### Botany

(See listing under Department of Biology)

## DEPARTMENT OF BUSINESS ADMINISTRATION

Professor Orange Hall, *Head*; Professors Davis and Bhatia; Associate Professor Haas; Assistant Professor McCarthy; Instructors Hoffman and Vining.

Major Concentrations. (For Business Education, see listing under B. B.A. degree IIIb). No student will be allowed to take an upper division course unless he has earned a grade of "C" or better in pre-requisite courses. An average of at least 2.0 in his major courses will be a requirement for graduation.

### 1. Accounting

- Intermediate Accounting
- Cost Accounting
- Income Taxation
- Accounting Systems
- Auditing Principles
- Advanced Cost Accounting

### 2. Economics

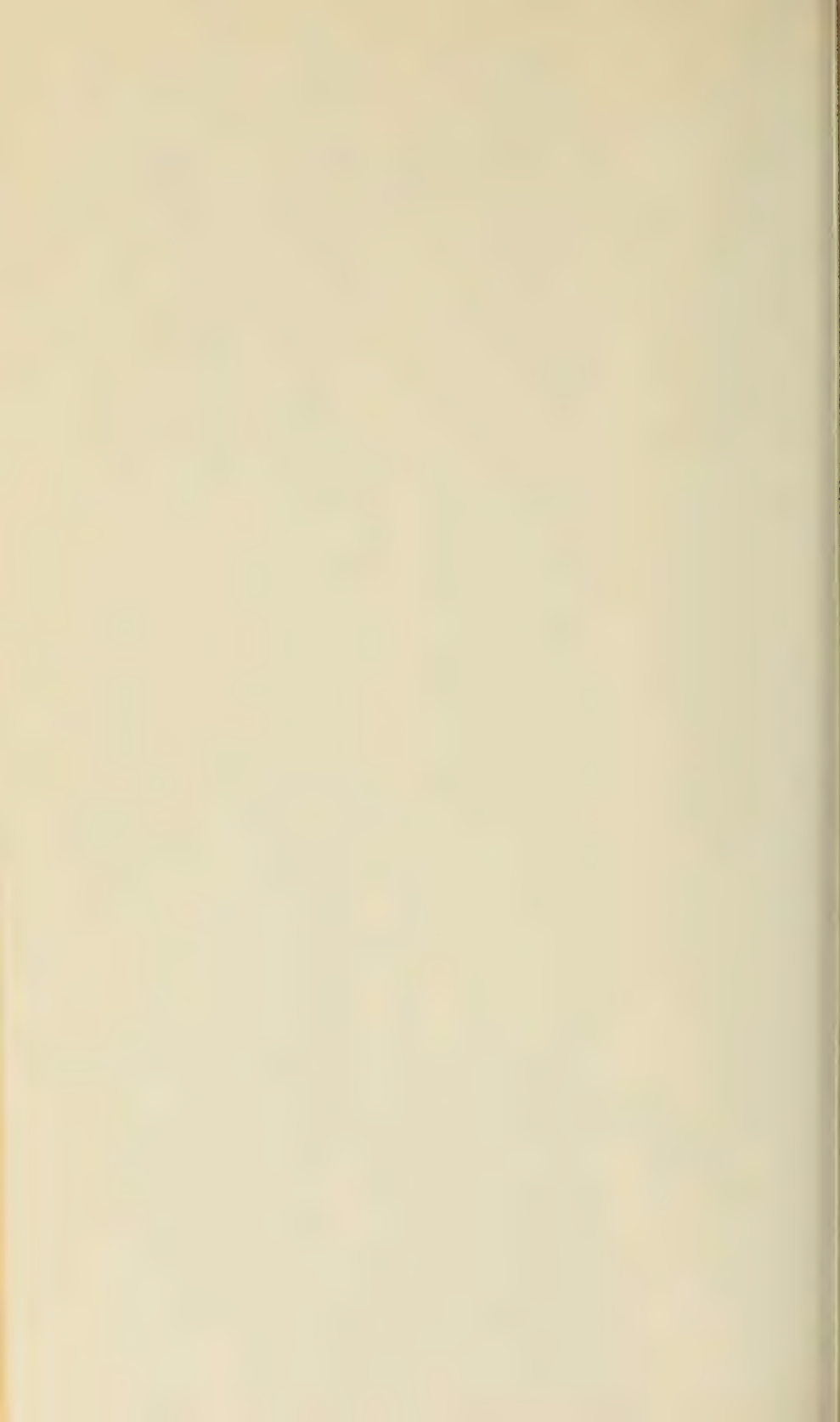
- Price and Income Theory
- Comparative Economic Systems
- Business Cycles and Forecasting
- Economic History of the United States
- Government and Business
- Public Finance
- International Trade
- Investments

### 3. Management

- Personnel Administration
- Production Planning and Control
- Business Policy
- Human Relations in Business
- Government and Business
- Second Course in Business Law
- Managerial Accounting
- Cost Accounting
- Business Communications
- Industrial Psychology







## Course Offerings

### Business Administration

*Business Administration 211—Introductory Accounting I. (5-0-5).*

An introduction to the fundamental principles and procedures of accounting, including a study of the journal, the ledger, working papers, accounting statements, controlling accounts, special journals, partnerships and corporations.

*Business Administration 212—Introductory Accounting II. (5-0-5.)* Prerequisite: Business Administration 211.

An application of accounting principles to certain problems such as departmental operations, manufacturing accounts, the analysis of financial statements, accounting aids to management, statement of application of funds.

*Business Administration 301—Intermediate Accounting I. (5-0-5).* Prerequisite: Business Administration 212.

Accounting theory and the solution of problems requiring an application of accounting theory.

*Business Administration 302—Intermediate Accounting II. (5-0-5).* Prerequisite: Business Administration 301.

A continuation of Business Administration 301 emphasizing the theories of valuation of fixed assets and liability accounts, the application of these theories and the interpretation of financial statements prepared on the basis of these theories.

*Business Administration 307—Business Law I. (5-0-5).*

Law governing the basic principles applicable to the following subjects: Contracts, offer and acceptance, consideration, rights of third parties and discharge; agency, liabilities of principal and agent; negotiable instruments, elements of negotiability, endorsement and transfer, liabilities of parties.

*Business Administration 308—Business Law II. (5-0-5).*

The law applicable to the following subjects: partnership formation, powers and liabilities of partners; corporation, formation, powers, rights of security holders; sales, vesting of title, warrants, remedies.

*Business Administration 315—Business Communications. (5-0-5).*

Principles of effective business communications, application of these principles to business and technical report writing, correspondence, and other information media.

*Business Administration 320—Business Finance.* (5-0-5). Prerequisite: Business Administration 212, Economics 202.

The internal and external sources of financing for business enterprises; acquisition and management of long-term and shorter-term funds; types of securities; equity and debt instruments; problems of financing management.

*Business Administration 329—Cost Accounting I.* (5-0-5). Prerequisite: Business Administration 212.

Methods of determining and distributing costs in manufacturing, including job order and process methods.

*Business Administration 330—Cost Accounting II.* (5-0-5). Prerequisite: Business Administration 329.

Standard cost procedures; budgeting; distribution costs and special cost problems. (Not offered in 1966-67.)

*Business Administration 340—Principles of Marketing.* (5-0-5). Prerequisite: Economics 202.

Principles and methods involved in the movement of goods and services from producers to consumers.

*Business Administration 360—Principles of Management.* (5-0-5). Prerequisite: Business Administration 212.

The basic principles of management applicable to all forms of business and to all levels of supervision; the functions of planning, organizing, directing, and controlling as components of the management process.

*Business Administration 375—Personnel Administration.* (5-0-5). Prerequisite: Business Administration 360.

Personnel administration as a staff function. Employment standards, training, safety and health, employee services and industrial relations.

*Business Administration 425—Managerial Accounting.* (5-0-5). Prerequisite: Business Administration 212.

Emphasizes theory and practice of accounting from the standpoint of those in command who shape business policy. (Not offered in 1966-67.)

*Business Administration 436—Income Taxation.* (5-0-5). Prerequisite: Business Administration 212.

A study of federal income tax laws, and the income tax returns of individuals, partnerships, and corporations.

*Business Administration 440—Accounting Systems.* (5-0-5). Prerequisite: Business Administration 302.

The design and installation of appropriate accounting systems in accordance with the needs of the business being serviced. (Not offered in 1966-67).

*Business Administration 450—Auditing Principles.* (5-0-5). Prerequisite: Business Administration 302.

The principles of audits and financial verifications, standards of field work, preparation of audit working papers, writing audit reports, and auditing ethics. (Not offered in 1966-67).

*Business Administration 460—Production Planning and Control.* (5-0-5). Prerequisite: Business Administration 360.

Appreciation of the principles of production management is developed through study of plant layout, inventory control, materials handling, production scheduling, quality control, and associated topics. (Not offered in 1966-67).

*Business Administration 462—Human Relations in Industry.* (5-0-5). Prerequisite: Business Administration 360.

A study of the process of integrating people into the work situation so that they are motivated to work together harmoniously, productively, and with economic, psychological and social satisfactions. (Not offered in 1966-67).

*Business Administration 465—Business Policy.* (5-0-5). Prerequisite: Business Administration 360.

The formulation and application of business policy by top management. Emphasis is on decision-making. (Not offered in 1966-67).

## Commerce

*Commerce 101—Beginning Typing* (0-5-2). Fall, winter and Spring.

This course consists of introductory instruction in the technical features and care of the machine, position, fingering, proper technique and mastery of the keyboard.

*Commerce 102—Beginning Typing Continued* (0-5-2). Fall, Winter and Spring.

This course is a continuation of speed development. In addition, instruction in typing letters and setting up simple tabulations is given.

*Commerce 103—Intermediate Typing* (0-5-2). Fall, Winter and Spring. Prerequisite: Commerce 101-102 or equivalent.

A typewriter course in which emphasis is placed on speed building and accuracy. Special typing problems such as business letters, minutes, notices, stencil cutting and carbon copies are stressed.

*Commerce 111—Beginning Shorthand (5-0-3).* Fall. Complete theory of Gregg Shorthand simplified. Reading dictation and transcription from studied material. A dictation speed of 80 words a minute is attained.

*Commerce 112—Beginning Shorthand (Continued) (5-0-3).* Winter. A continuation of beginning shorthand from foundation learned in fall quarter.

*Commerce 113—Intermediate Shorthand (5-0-3).* Spring.

Dictation and transcription of new and studied material. Student is required to take dictation at the rate of 100 words a minute.

*Commerce 201—Advanced Typing (0-5-2).* Fall, Winter and Spring. Prerequisite: Commerce 103 or equivalent.

Advanced typing is a course in the acquisition of speed and accuracy including various legal forms and papers, manuscripts and business papers. Most of the student's work is done on a production timing basis.

*Commerce 202—A continuation of Commerce 201 (0-5-2).* Fall, Winter and Spring.

*Commerce 203—A continuation of Commerce 202 (0-5-2).* Fall, Winter and Spring. An average of 60 words a minute is attained.

*Commerce 211—Advanced Shorthand (5-0-3).* Fall. Prerequisites: Commerce 111, 112, 113 or equivalent.

A course in which the principles of Gregg Shorthand are applied in developing skill and accuracy in writing shorthand and in transcribing. Dictating and typing of mailable letters are emphasized. A speed of 110 words a minute for five minutes is attained.

*Commerce 213—Office Practice (5-0-5).* Spring. Prerequisite: Commerce 112 or equivalent or permission of instructor.

Typical business office situations are duplicated as nearly as possible, including the instruction of various business machines. Practical problems deal with typing, filing and office courtesy.

## Economics

*Economics 201—Principles of Economics, I. (5-0-5).*

A study of the principles underlying the economic institutions of the present time and their application to economic problems.

*Economics 202—Principles of Economics, II.* (5-0-5).

A continuation of the study of economic principles and problems begun in Economics 201.

*Economics 326—Economic History of the United States.* (5-0-5).  
Prerequisite: Economics 202.

The growth and development of economic institutions in the United States from the colonial period to the present, with major emphasis on the period since 1860, and including developments in agriculture, industry, labor, domestic and foreign commerce, transportation, and finance.

*Economics 327—Money and Banking.* (5-0-5). Prerequisite: Economics 202.

Monetary theory, banking theory and practice, central bank controls, other financial institutions, credit flows, monetary policies to achieve desired economic effects.

*Economics 331—Labor and Industrial Relations.* (5-0-5). Prerequisite: Economics 202.

The development and structure of the labor movement in the United States; the principles of wage determination; collective bargaining; and public policy toward labor unions.

*Economics 335—Public Finance.* (5-0-5). Prerequisite: Economics 202.

The economic effects of governmental taxation, expenditure, and public debt management. The principal sources of revenue and types of expenditures at the federal, state and local levels. The proper scope of government and issues of fairness in taxation. (Not offered in 1966-67).

*Economics 401—Price and Income Theory.* (5-0-5). Prerequisite: Economics 202.

Economic theory, especially the theories of production, price determination, income distribution and their application to current economic problems. (Not offered in 1966-67).

*Economics 405—Government and Business.* (5-0-5). Prerequisite: Economics 202.

The effects of public policies upon business and industry, with emphasis on anti-trust, taxation, regulatory, and defense policies.

*Economics 410—International Trade.* (5-0-5). Prerequisite: Economics 202.

Export-import trade, emphasizing exchange techniques, balance of trade and payments accounts, and the theory of international specialization and exchange, the relationship of international transactions to national income. (Not offered in 1966-67).

*Economics 420—Comparative Economic Systems.* (5-0-5). Prerequisite: Economics 202.

Study of economic problems under different economic systems such as capitalism, socialism; and introduction to Marxian economic theory. (Not offered in 1966-67).

*Economics 425—Business Cycles and Forecasting.* (5-0-5). Prerequisites: Economics 327 and Business Administration 320.

A study of cycle and growth theories, causes of business fluctuations, means of prevention or control, policy proposals to maintain full employment and price stability. Problems of economic growth and forecasting. (Not offered in 1966-67).

*Economics 431—Investments.* (5-0-5). Prerequisites: Economics 327, and Business Administration 320.

The investment risks inherent in different investment media; selection of appropriate media in accordance with individual or institutional goals and risk-bearing capacity. Types of investments and securities. (Not offered in 1966-67).

## DEPARTMENT OF CHEMISTRY & PHYSICS

Professor Fretwell G. Crider, *Head*; Professor desIslets; Associate Professor Stratton; Assistant Professor Brimelow; Instructor Peyton

### Departmental Requirements for the Major in Chemistry

	<i>Quarter Hours</i>
I. Major Requirements	
A. Lower Division	
General Inorganic Chemistry (128, 129)	10
Analytic Chemistry (Qual. 281; Quant. 282)	10
B. Upper Division	
Organic Chemistry (341, 342, 343)	15
Physical Chemistry (491, 492, 493)	12
Electives (13 qtr. hrs.) from the following:	13
Advanced Inorganic (421) 4 qtr. hrs.	
Qualitative Organic Analysis (448) 4 qtr. hrs.	
Instrumental Analysis (480) 5 qtr. hrs.	



Special Problems in Chemistry  
(498, 499) 1-5 qtr. hrs.  
Chemistry 431, 432, 441

- |                                    |    |
|------------------------------------|----|
| II. Requirements in Related Fields |    |
| A. Mathematics through Calculus    | 15 |
| B. Physics                         | 15 |

## Course Offerings

### Chemistry

*Chemistry 121, 122—General Inorganic (4-3-5).* Prerequisite: Entrance Requirements.

This course is designed for the student who is pursuing a non-science college major. It includes a study of the fundamental laws and theories of chemistry emphasizing the descriptive chemistry of the elements and their relationships as shown in the Periodic Table. The course is a lecture and laboratory study with minimum reliance on mathematics.

*Chemistry 128, 129—General Inorganic (3-4-5).* Prerequisite: Mathematics 9.

A study of the fundamental principles and laws of chemistry with a quantitative approach to the subject. This course is designed for the science major expecting detailed work in the modern concept of the atom, chemical bonding and a thorough treatment of the chemistry of particular elements, families and groups. The laboratory work includes an understanding of fundamental techniques as applied to beginning experiments and a study of properties and preparations.

*Chemistry 281—Qualitative Inorganic Analysis (3-6-5).* Prerequisite: Chemistry 129.

Theory and adequate laboratory practice in the analysis of common cations and anions.

*Chemistry 282—Quantitative Inorganic Analysis (2-9-5).* Prerequisite: Chemistry 281.

The fundamental theories and practice of gravimetric and volumetric analysis with an introduction to instrumental analysis.

*Chemistry 341, 342, 343—Organic Chemistry (3-6-5).* Prerequisite: Chemistry 129.

Three quarter course in the study of aliphatics, aromatic hydrocarbons and their derivatives. Includes the study of polyfunctional compounds, polynuclear hydrocarbons, carbohydrates, amino acids,

heterocyclics and related compounds. The courses will emphasize organic reactions in terms of modern electronic theory.

*Chemistry 360—Biochemistry* (5-0-5). Prerequisite: Chemistry 343.

A study of the chemical nature of cellular constituents and their metabolisms.

*Chemistry 371—Industrial Chemistry* (3-0-3). Prerequisite: Chemistry 493.

This course presents a study of inorganic chemical industries. It deals with chemical processes and modern developments in these industries. A survey of operations and economics is given. (Not offered in 1966-67)

*Chemistry 372—Industrial Chemistry* (3-0-3). Prerequisite: Chemistry 493.

This course covers the important organic chemical industries in the same manner as Chemistry 371. (Not offered in 1966-67)

*Chemistry 421—Advanced Inorganic Chemistry* (4-0-4). Prerequisite: Chemistry 282.

Selected topics in inorganic chemistry tending to increase students' understanding of mechanisms of chemical reactions. Emphasizes the periodicity of elements.

*Chemistry 431, 432—Seminars* (3-0-3). Prerequisites: Chemistry 493. Chemistry 343.

Selected topics for group discussion. (Not offered in 1966-67)

*Chemistry 441—Advanced Organic Chemistry* (3-0-3). Prerequisite: Chemistry 343.

A further study of important organic reactions including theories of reaction mechanisms of organic chemistry.

*Chemistry 448—Organic Qualitative Analysis* (2-6-4). Prerequisite: Chemistry 343.

Systematic approach to the identification of organic compounds.

*Chemistry 450—Chemical Literature* (3-0-3). Prerequisite: Chemistry 493 or consent of Department Head.

A study of the use of the chemical library and the important journals, references and information sources. Course will include instruction in report writing. (Not offered in 1966-67)

*Chemistry 480—Instrumental Analysis (2-9-5)*. Prerequisites: Chemistry 282, 342.

Includes study of principles involved in the operation and the laboratory use of special instruments for analysis.

*Chemistry 491, 492, 493—Physical Chemistry (3-3-4)*. Prerequisites: Chemistry 343, 282. Physics 206. Mathematics 104.

Fundamental principles of physical chemistry including the study of solids, liquids, gases, thermochemistry, thermodynamics and solutions. The course will also cover a study of chemical equilibria, chemical kinetics, electrochemistry, colloids, quantum mechanics and nuclear chemistry.

*Chemistry 498, 499—Special Problems (Schedule and credit vary)*. Prerequisites: Chemistry 493 and consent of Department Head.

Problems to be assigned and work directed by a member of the Department. Supervised research including literature search, laboratory experimentation and presentation of results. Course credit will depend on problem. (Not offered in 1966-67)

*Chemistry 105—Chemistry for Nurses (4-3-5)*.

Principles of inorganic, organic and physiological chemistry with special application to nursing practice.

## Physical Science

*Physical Science 111 (5-0-5)*. Fall. No prerequisite.

A study of the scientific method and its use in man's solutions of problems in his physical environment. The student learns the fundamentals of physics and acquires familiarity with the basic formulas and principles. He learns the similarity of the application of principles involving small particles to larger or planetary particles. If student has completed a course in college physics, no credit will be given for this course.

*Physical Science 113 (5-0-5)*. Spring. No prerequisite.

A survey of elementary geology and astronomy. This course covers what might be termed a "Biology of the Earth", concerning itself with earth materials, weather and climate, rocks and minerals, erosion and sedimentation, vulcanism and diastrophism, the law of uniform change and earth history as interpreted from the rock record. The astronomy phase and the study of the stars and galaxies starts with the planetary system of our own sun. The study proceeds to the other stars and stellar systems, including, of course, the nebulae. Finally, the course covers general relativity and cosmology, entering

the frontiers of Physical Science to conjecture on the "science of tomorrow".

## Physics

*Physics 211—General Physics—Mechanics (5-2-5).* Fall. Prerequisite: Mathematics 101 and 102 or consent of the instructor.

Lectures, demonstrations, recitations, and laboratory work covering the fields of mechanics, sound and heat. Force and motion, work and power, energy, torque, the properties of gases and an introduction to Thermodynamics are included.

*Physics 212—Electricity, Magnetism and Basic Light Through Geometric Optics. (5-2-5).* Winter. Prerequisite: Mathematics 101 and 102, or consent of the instructor.

Physics 212 comprises a course in electricity, magnetism, and geometric optics. It includes the study of static electricity, current electricity, magnetism, magnetic fields, electromagnetic induction, capacitance, inductance and alternating currents. The nature and propagation of light, reflection and refraction, mirrors and lenses, optical instruments are covered in the latter part of the course.

*Physics 213—Light Phenomena and Modern Physics. (5-2-5).* Spring. Prerequisite: Mathematics 101 and 102 and Physics 212 or consent of the instructor.

Physics 213 continues the study of the phenomena of light, including interference, diffraction, and polarization; and then proceeds into modern physics via the quantum theory of radiation, atomic structure, and the theory of relativity.

*Physics 217—Mechanics, Sound and Heat (5-3-6).* Fall and Summer. Prerequisite: Mathematics 104 or 201. (This course may be taken concurrently.)

Physics 217, 218, and 219 together constitute a thorough course in basic physics for engineering students. This course includes classical physics, and an introduction to modern physics (to which more than one quarter of the three courses is devoted) including the quantum theory of radiation, atomic structure, relativity, X-Ray, wave versus corpuscular propagation, natural radioactivity, nuclear reactions, and artificial radioactivity, nuclear energy and cosmic rays, and the fundamental particles.

The five classroom hours each week include some lectures and films, but the solution of a large number of problems is required, including application of the elements of the calculus.

The laboratory work is designed to give practice in the art of making precise measurements, proficiency in the manipulation of apparatus and added familiarity with some of the concepts of physics. The theory of errors is stressed enough to give students the ability to decide under what conditions the greater expense of more precise measurements is justified.

Physics 217 is an intensive course in mechanics, sound and heat. It includes the study of statics, kinetics, friction, work, power, energy, momentum, machines, elasticity, fluid mechanics, harmonic motion, wave motion and vibrating bodies, temperature-expansion, heat transfer, work and heat, and the laws of thermodynamics.

*Physics 218—Electricity, Magnetism and Basic Light Through Geometric Optics* (5-3-6). Winter. Prerequisite: Mathematics 201 or 202.

Physics 218 is an intensive course in electricity, magnetism, and geometric optics. It includes the study of the ideal gas and the atomic view of matter, static electricity, current electricity, magnetism, magnetic fields, electromagnetic induction, capacitance, inductance, alternating currents, electrical instruments, electromagnetic waves, nature and propagation of light, reflection and refraction, mirrors and lenses, optical instruments.

*Physics 219—Light Phenomena and Modern Phenomena and Modern Physics* (5-3-6). Spring. Prerequisite: Mathematics 202 or 203, and Physics 218.

Physics 219 continues the study of the phenomena of light, including interference, diffraction, and polarization; and then proceeds into modern physics via the quantum theory of radiation, atomic structure, and the theories of relativity (see Physics 217, above). During this quarter laboratory work is on a "senior course" level and is designed to encourage independent thought and to deviate definitely from the somewhat stereotyped work of the preceding quarters.

## Chinese

(See listing under Department of Language and Literature)

## Commerce

(See listing under Department of Business Administration)

## Economics

(See listing under Department of Business Administration)

## DEPARTMENT OF EDUCATION

Professor Albert Clarke, *Head*; Assistant Professor Coleman

### Requirements for the Degree of Bachelor of Science in Elementary Education

The program leading to a degree in teacher education is a shared responsibility of the entire college. It is designed to offer a broad cultural foundation of general courses, psychology and education courses to develop the understanding and competencies necessary for successful teaching; specialized courses to prepare for the various content areas in the elementary curriculum, and a concentration of courses to develop special strengths in one chosen area.

A student who desires to become an elementary teacher should request immediate assignment to the Department of Education for advisement. He should follow without deviation the approved program designed for his preparation and for meeting the requirements for certification to teach in grades one through seven.

The student's departmental adviser will furnish materials outlining procedures for formal admission to the teacher education program and the sequence in which courses must be taken.

### Freshman and Sophomore Requirements

<i>Course</i>	<i>Qtr. Hrs.</i>	<i>Course</i>	<i>Qtr. Hrs.</i>
English 101, 102 .....	10	English 201, 202 .....	10
History 114, 115 .....	10	History 351, 352 .....	10
Political Science 113 .....	5	Geography 111 .....	5
Botany 121, 122 or Zooology 101, 102 .....	10	Chemistry 121, 122 or Physics 211, 212 .....	10
Mathematics 105 .....	5	English 228 .....	5
Education 103 .....	3	Art 200, Music 200 or Philosophy 110 .....	5
Physical Education .....	3	Education 103 .....	2
		Physical Education .....	3

### Junior and Senior Requirements

<i>Course</i>	<i>Qtr. Hrs.</i>	<i>Course</i>	<i>Qtr. Hrs.</i>
Teaching Field Electives .....	15	Teaching Field Elective .....	5
Music 320 .....	5	Related Area Elective .....	5
Art 320 .....	5	Mathematics 452 .....	5
Health and Physical Education 320 .....	5	Education 425 .....	5
English 331 .....	5	Education 435 .....	5
Psychology 201 .....	5	Education 436 .....	5
Psychology 301 .....	5	Education 446, 447, 448 .....	15
Education 301 .....	5		

### Course Offerings

*Education 103—Orientation to Teaching.* 5 Qtr. Hrs.

The study of the status of education and of teaching as a profession. The student engages in directed self-study and plans for the achievement of his professional goals.

*Education 301—Child Development and Education Process.*  
5 Qtr. Hrs.

A study of the developmental learning characteristics of pupils in relation to ways in which the school environment may elicit further development. Directed observation.

*Education 303—Orientation to Teaching.* 5 Qtr. Hrs.

For transfer and other students who have not had Education 103, 201 or the equivalent in preparation for formal admission to the teacher education program.

*Education 425—The Teaching of Reading* 5 Qtr. Hrs.

The teaching of reading including methods, techniques and materials.

*Education 435—Curriculum Planning* 5 Qtr. Hrs.

The study of existing instructional programs and experiences in curriculum design. Directed observation. (Not offered in 1966-67)

*Education 436—Methods of Teaching* 5 Qtr. Hrs.

The study and evaluation of teaching equipment materials and methods in the various teaching fields. Actual unit development in preparation for student teaching. (Not offered in 1966-67)

*Education 446, 447, 448—Student Teaching* 15 Qtr. Hrs.

Students are placed in selected schools for one quarter as full-time student staff members. Classroom teaching experiences and other staff responsibilities are supervised jointly by the college staff and supervising teachers in the selected schools. (Not offered in 1966-67)

### Education Courses Offered in Other Departments

*Art 320—Art for the Elementary Teacher (5-0-5).*

A study of materials and methods for teaching art at the elementary school level.

*English 331—Children's Literature (5-0-5).*

*Mathematics 452—Basic Ideas of Arithmetic (5-0-5).* Prerequisite: *Mathematics 105.*

This course is designed to give elementary teachers a clear understanding of the fundamental ideas of arithmetic and to acquaint them with the material currently being used in the elementary schools.

*Music 320—Music for the Elementary Teacher (5-0-5).*

An introduction to music skills and materials for the elementary classroom teacher.

*Physical Education 320—Health and Physical Education for the Elementary School Teacher (5-0-5).*

*Psychology 301—Educational Psychology (5-0-5) Summer.*

Special emphasis is placed upon developing competencies on the part of the prospective elementary and high school teachers in understanding and applying the psychological principles involved in the learning processes and understanding the development of children and youth. Supervised visits will be made to schools for observation and study, when possible.

## **Engineering**

(See listing under Department of Mathematics)

## **English**

(See listing under Department of Language and Literature)

## **DEPARTMENT OF FINE ARTS**

Professor Harry Persse, *Head*

### **Departmental Requirements for the Major in Music**

#### **The Bachelor of Arts Degree with a Major in Music**

In addition to satisfying the requirements of the core curriculum for the Bachelor of Arts Degree, those majoring in music will complete the following program:

#### Lower Division Courses:

Music Theory:	Music	110, 111, 112.....	9
		210, 211, 212.....	9
Sight-Singing:	Music	101, 102, 103.....	3
		201, 202, 203.....	3
Applied Music:	Music	100 level.....	6



	200 level .....	6
	Total	36
Upper Division Courses:		
Music History:	Music 310, 311 .....	10
Music Theory:	Music 312 plus either	
	Music 410 or 411 .....	6
Applied Music:	300 and/or 400 level .....	6
	Total	22

In addition to the above, the major program must include twenty-five quarter hours of approved electives in the fields of Art History, Literature, and Philosophy.

Additional courses in music may be elected, but no more than seventy hours in the major field may be applied towards the degree.

## Course Offerings

### Art

*Art 101—Basic Design and Drawing (3-4-5).*

An introduction to the principles of design and the means and materials of drawing.

*Art 102—Basic Design and Drawing (3-4-5).*

A continuation of Art 101.

*Art 103—Basic Design and Drawing (3-4-5).*

A continuation of Art 102.

*Art 200—Art Appreciation (5-0-5).*

The study of theories of art and their application in masterworks of art from all ages, directed towards increasing the understanding and enjoyment of art for the non-art major.

*Art 201—Drawing and Painting (0-6-3).*

Drawing and painting from various figures, animals, and objects, employing various materials and media.

*Art 202—Drawing and Painting (0-6-3).*

A continuation of Art 201.

*Art 203—Drawing and Painting (0-6-3).*

A continuation of Art 202.

*Art 290—History of Art (5-0-5).*

A survey of world art from ancient times through the Baroque.

*Art 291—History of Art (5-0-5).*

A survey of world art from the end of the seventeenth century to the present.

*Art 320—Art for the Elementary Teacher (5-0-5).*

A study of materials and methods for teaching art at the elementary school level.

*Art 301—Ceramics (3-4-5).*

An introductory course in the fundamentals of pottery, clay, modeling, glazing and firing methods.

*Art 302—Ceramics (3-4-5).*

A continuation of Art 301 with emphasis on the potter's wheel, and the study of glaze materials.

*Art 303—Ceramics (3-4-5).*

A continuation of Art 302 with emphasis on the potter's wheel and an introduction to elementary ceramic technology.

## Course Offerings

### Music

#### Theoretical Courses

*Music 110—Music Theory (3-0-3).* Fall.

An introduction to the basic theoretical principles of music.

*Music 111—Music Theory (3-0-3).* Winter.

A continuation of Music 110 with emphasis on part-writing of triads and their inversions.

*Music 112—Music Theory (3-0-3).* Spring.

A continuation of Music 111 through inversions of the dominant seventh chord and secondary seventh chords.

*Music 101—Sight Singing (2-0-1).* Fall.

A study of sight singing techniques applied to diatonic materials.

*Music 102—Sight Singing (2-0-1).* Winter.

A continuation of Music 101.

*Music 103—Sight Singing (2-0-1).* Spring.

A continuation of Music 102.

*Music 210—Music Theory (3-0-3).* Fall.

A continuation of the study of basic materials with emphasis on secondary seventh chords and simple modulation.

*Music 211—Music Theory (3-0-3).* Winter.

A continuation of Music 210 introducing altered chords and modulation to remote keys.

*Music 212—Music Theory (3-0-3).* Spring.

A continuation of Music 211 emphasizing chromatic materials.

*Music 201—Sight Singing (2-0-1).* Fall.

A study of sight singing techniques applied to chromatic materials.

*Music 202—Sight Singing (2-0-1).* Winter.

A continuation of Music 201.

*Music 203—Sight Singing (2-0-1).* Spring.

A continuation of Music 202.

*Music 312—Form and Analysis (3-0-3).* (Not offered 1966-67).

The study of the formal principles of music as exemplified in musical works of various style periods.

*Music 410—Tonal Counterpoint (3-0-3).* (Not offered 1966-67).

A study of the contrapuntal techniques of 18th Century Style.

*Music 411—Modal Counterpoint (3-0-3).* (Not offered 1966-67).

A study of the contrapuntal techniques of the 16th Century Style.

*Music 412—20th Century Materials (3-0-3).* (Not offered 1966-67).

A study of the materials and techniques of 20th Century music.

*Music 450—Orchestration (3-0-3).* (Not offered 1966-67).

An introduction to the techniques of scoring for instrumental ensembles and the orchestra.

*Music 350—Conducting (3-0-3).*

An introduction to the problems and techniques of conducting.

*Music 320—Music for the Elementary Teacher (5-0-5).*

An introduction to music skills and materials for the elementary classroom teacher.

## History and Literature Courses

*Music 200—Music Appreciation (5-0-5).*

A course designed to help the student understand and enjoy fine music by analysis of form, style and mediums of musical expression from the great periods of musical art. Lectures, discussions and recorded sessions comprise the course.

*Music 310—Music History (5-0-5).* (Not offered 1966-67).

The history of music in Western civilization from its origins through the Baroque period.

*Music 311—Music History (5-0-5).* (Not offered 1966-67).

The history of music in Western civilization from the Baroque period to the present.

*Music 312—Opera Literature (3-0-3).* (Not offered 1966-67).

A study of operatic masterpieces from the origin of the form to the present.

*Music 321—Music of the Renaissance (3-0-3).* (Not offered 1966-67).

The development of music from 1450 to 1600.

*Music 322—Music of the Baroque (3-0-3).* (Not offered 1966-67).

The development of music from 1600 to 1750.

## Applied Music Courses

Applied music courses consist of one or two twenty-five minute private lessons per week. A special fee of \$24.00 for one lesson per week or \$48.00 for two lessons per week is applicable.

No student will be permitted to register for applied music courses for credit until he has reached an adequate level of proficiency in his instrument. The standard of such proficiency will be set by the Fine Arts Department, and the level of achievement in the individual case will be determined by examination.

*Music 130, 131, 132; 230, 231, 232; 330, 331, 332; 430, 431, 432—Applied Music.* One hour credit per quarter. One twenty-five minute private lesson per week.

*Music 140, 141, 142; 240, 241, 242; 340, 341, 342; 440, 441, 442—Applied Music.* Two hours credit per quarter. Two twenty-five minute private lessons per week.

## French

(See listing under Department of Language and Literature)

## Geography

(See listing under Department of History and Political Science)

## German

(See listing under Department of Language and Literature)

# DEPARTMENT OF HISTORY & POLITICAL SCIENCE

Professor Roy Carroll, *Head*; Professors Beecher and Wu; Associate Professors Coyle, Haunton, Lanier, Newman; Assistant Professors Duncan and McCarthy.

## Departmental Requirements for the Major in History

Students planning to major in history are urgently advised to take such courses as will satisfy the basic college requirements for the Bachelor of Arts degree during the Freshman and Sophomore years. Those planning to continue their study of history in graduate school are advised to select French or German as their language. The minimum requirement in addition to History 114 and 115 for a major in history is forty quarter hours from history courses numbered 300 or above. In selecting courses for a major, the student may elect to emphasize the history of the United States, or the history of Europe, but he may not present a major exclusively in either of these areas.

Required courses: History 114, 115, and 300, but History 114 and 115 may not be counted in the forty quarter hours required for the major. It is the policy of the department to advise all history majors to register for History 300 in the first quarter of their Junior year or in the first quarter after they elect to major in history.

The major program must also include proficiency in a foreign language equivalent to courses 101 through 104, and 25 quarter hours of courses, approved by the department, from these related fields: History of Art and Music, Economics, Literature, Philosophy, Political Science, and Sociology.

## Course Offerings

### History

*History 114—History of Western Civilization.* 5 quarter hours.

A chronological survey of the main currents of political, social,

religious, and intellectual activity in western civilization from the time of the ancient Mediterranean civilization to 1715.

*History 115—History of Western Civilization.* 5 quarter hours.

A continuation of History 114 down to the present.

*History 300—Problems in Historiography.* 5 quarter hours.

A study of the nature and meaning of history, some of the problems involved in the writing and study of history, and selected interpretations.

*History 320—The Civilization of China and the Far East, Part I.* 5 quarter hours.

The history of East Asian civilization from ancient times through the eighteenth century, with special emphasis on characteristic political, economic, and social developments.

*History 321—The Civilization of China and the Far East, Part II.* 5 quarter hours.

The history of East Asian nations from the nineteenth century to the present, with emphasis on political, social, economic, and intellectual developments.

*History 330—Twentieth Century Russia.* 5 quarter hours.

An examination of the forces leading to the downfall of Tsarist Russia, the Bolshevik Revolution, and the political, economic, and social history of the Soviet era.

*History 341—History of England, 1450-1690.* 5 quarter hours.

Emphasis is given to the constitutional, religious, and economic developments, but social and intellectual phases are treated.

*History 343—Medieval Europe, 395-1350.* 5 quarter hours.

A study of Europe from the fourth to the fourteenth century, with particular attention to social, economic, and religious developments.

*History 345—The Renaissance and Reformation.* 5 quarter hours.

The history of Europe from 1300 to 1648, with special emphasis on the Renaissance in Italy and northern Europe, the Protestant Revolt, and the Catholic Reformation. (Not offered in 1966-67)

*History 347—The French Revolution and Napoleon.* 5 quarter hours.

An investigation of the ideas and events of the Old Regime and the Enlightenment in France; emphasis is also on the impact of the

French Revolution and the career of Napoleon upon the major European nations.

*History 348—The History of Europe from 1815 to 1900.* 5 quarter hours.

A study of the most important social, political, and intellectual directions of European history from the Congress of Vienna to the end of the nineteenth century.

*History 350—Europe in the Twentieth Century.* 5 quarter hours.

A study of the major developments in Europe since 1900, with emphasis upon the origins and impact of the First and Second World Wars. (Not offered in 1966-67)

*History 351—American History to 1865.* 5 quarter hours.

A general survey of the political, economic, and social history of the United States to the end of the Civil War.

*History 352—American History Since 1865.* 5 quarter hours.

A general survey of the political, economic, and social history of the United States from 1865 to the present.

*History 354—Social and Intellectual History of the United States Since 1865.* 5 quarter hours.

An examination of political theory, social development, and the principal trends of American thought since 1865.

*History 355—Studies in American Diplomacy.* 5 quarter hours.

Studies of American objectives and policies in foreign affairs from colonial times to the present.

*History 356—American Constitutional History.* 5 quarter hours.

A study of the origins, content, and expansion of the Constitution of the United States. (Not offered in 1966-67)

*History 357—The Old South.* 5 quarter hours.

The colonial South through secession; development and operation of the plantation system; emergence of the ante-bellum social and political patterns of the region.

*History 358—The New South.* 5 quarter hours.

Emphasis is placed upon the social, economic, and political readjustments of the late nineteenth century, and the impact of industrialism and liberalism in the twentieth century. (Not offered in 1966-67)

*History 359—Civil War and Reconstruction.* 5 quarter hours.

The causes and significance of the American Civil War, with minor consideration of the military campaigns; political, economic and social aspects of Reconstruction.

*History 360—Recent American History.* 5 quarter hours.

Beginning with the presidency of Rutherford B. Hayes, the course will emphasize populism and progressivism, the period between the wars, and postwar readjustment. (Not offered in 1966-67)

*History 361—Great Historians.* 5 quarter hours.

The course is designed to acquaint the student with major historians and historical philosophies through individual reading under the direction of the instructor. (Not offered in 1966-67)

*History 362—Independent Study.* 5 quarter hours.

Designed to permit superior students to pursue individual research and reading in some field of history under the supervision of a member of the staff. Emphasis will be on wide reading, conferences with the adviser, and written reports and essays. Open only to seniors with a B average in history and in their overall work. Admission will be subject to approval of the individual adviser and of the Head of the Department of History.

## Geography

*Geography 111—World Human Geography.* 5 quarter hours.

A survey of world human geography, emphasizing population characteristics, topographic features, distribution of economic activities and geo-political problems within the major geographical regions. Consideration of adequacy of resources to support expanding world populations.

## Philosophy

*Philosophy 110—Introduction to Philosophy.* 5 quarter hours.

The fundamentals of philosophy, the meaning and function of philosophy, the vocabulary and problems of philosophy, and the relation of philosophy to art, science and religion. Includes a survey of the basic issues and major types of philosophy, and shows their sources in experience, history and representative thinkers.

*Philosophy 301.—History of Philosophy: Ancient and Medieval.* 5 quarter hours.



An historical introduction to philosophy, tracing the development of European philosophy from the early Greeks through the Renaissance.

*Philosophy 302—History of Philosophy: Modern.* 5 quarter hours.

A continuation of Philosophy 301 from the seventeenth century to the present.

*Philosophy 320—Introduction to Oriental Philosophy.* 5 quarter hours.

## Political Science

*Political Science 113—Government of the United States.* 5 quarter hours.

A study is made of the structure, theory, and workings of the national government in the United States and some of the major problems of the state and local government. The course shows how developmental practice has created our government as it stands today.

*Political Science 300—Political Behavior.* 5 quarter hours.

A basic course which considers laws, concepts, theories, variables and hypotheses used in empirical research in political science and sociology as well as some indication of the research techniques used in data gathering and analysis. Recent research results will be discussed, evaluated, and their applications to the field of political science will be explained.

*Political Science 301-302—Comparative Government.* 5 quarter hours. Prerequisite: Political Science 300.

A two quarter course, the first of which will be concerned with the political, social, and economic instructions of selected modern states of the recent past and present. The second quarter will be concerned with political behavior as it is revealed in a national state context: i.e., the various variables that contribute to such behavior.

*Political Science 304—Public Administration.* 5 quarter hours. Prerequisite: Political Science 300.

This is a one quarter course that is primarily concerned with organizational theory and bureaucratic behavior, whether public or private, but with an emphasis on the behavior of the bureaucracy of the national government. This course will also be concerned with the political process as it unfolds in the administration of laws enacted by the Congress. A number of case studies on the subject will be examined in some detail. (Not offered in 1966-67)

*Political Science 305—State and Local Government.* 5 quarter hours. Prerequisite: Political Science 300.

This course is concerned primarily with the political process and the behavior of political actors at the local and state levels of government primarily in the United States. It is concerned with the techniques and research results of the relevant empirical literature that has evolved over the past 15 years in the field; i.e., local community studies of Floyd Hunter, Robert A. Dahl, and others.

*Political Science 306—International Law.* 5 qtr. hours.

An introduction to selected public international law topics including: recognition, state succession, jurisdiction, extradition, nationality, the law of treaties, the law of diplomacy, and the law of war. (Not offered in 1966-67)

*Political Science 319—International Relations.* 5 quarter hours.

An introduction to the theories, forces, and practices dominating contemporary international relations.

*Political Science 320—International Relations: The Far East.* 5 quarter hours.

*Political Science 331-332—Political Theory.* 5 quarter hours.

An historical study of the development of ideas relative to the state and government from Socrates and Plato to the present. Attention is directed primarily to the political thought of a selected group of eminent philosophers.

*Political Science 331—From Socrates to the 17th Century* (5-0-5).

*Political Science 332—From the 17th Century to the Present.* (5-0-5).

## DEPARTMENT OF LANGUAGE & LITERATURE

Professor Hugh Pendexter, III, *Head*; Professors Anchors, Lubs, Seale, Wu; Associate Professor Strozier; Assistant Professors Carr and White; Instructors Durfee and Ramsey.

### Departmental Requirements for the Major in English

A student majoring in English must complete at least 40 hours of upper-division courses (300-400 level) in the major field, of which at least 15 hours must be on the 400 level. A major program must include at least one of the starred courses in each of the following groups:

- I. Shakespeare (404\*)
- II. English Literature before 1700 (301\*, 302\*, 321, 402, 403)
- III. English Literature after 1700 (303\*, 305\*, 306\*, 307\*, 311, 312, 322)
- IV. American Literature (309\*, 310\*, 313, 322)
- V. Comparative Literature or English Language (318\*, 322,\* 410\*, Chinese 233)

The major shall select one area of specialization from groups II-IV and complete at least two additional courses in that area (starred or unstarred). English 400 and 490 may, depending on the subject, be counted in any area of specialization.

The major program must also include proficiency in a foreign language equivalent to courses 101 through 104, and 25 quarter hours of courses, approved by the major department, from these related fields: literature in a foreign language, history, philosophy, art, music, speech.

## Course Offerings

### Chinese

*Chinese 101-102—Elementary Chinese (10-0-10).*

A basic training in Chinese conversation and reading.

*Chinese 201—Intermediate Chinese (5-0-5).*

*Chinese 233—Chinese Literature in Translation (5-0-5).*

### English

Students will be assigned to freshman English according to results of tests taken before the beginning of the term.

*English 99—Remedial Composition (5-2-0). Non-credit.*

This is the study and practice of sentence and paragraph structure. Students must learn to write clearly, logically, coherently, and *correctly*. In the 2-hour reading laboratory students work to improve reading comprehension.

A student who fails to earn a grade of "D" or above in English 99 may not repeat the course except by special permission of the department head. No student may enroll more than twice for this course.

Students who are assigned to English 99 may not take English 101 until they have completed English 99 with a grade of "C" or better.

*English 101—Composition (5-0-5)*. Prerequisite: Assignment to this course is based on entrance test results or the successful completion of English 99. English 101 must be completed with a grade of "C" in order to enter English 102. A library paper is written during the term.

*English 102—Greek Literature and the Bible (5-0-5)*. Prerequisite: English 101.

Emphasis in composition is on critical papers longer than 1,000 words. Reading assignments are from classical epics and tragedy, and the Bible.

*English 201—Shakespeare and English Literature through the 19th Century (5-0-5)*. Prerequisite: English 101, English 102. Literary masterpieces from 1400-1850.

*English 202—Modern World Literature (5-0-5)*. Prerequisite: English 101, English 102, English 201.

Literary masterpieces 1850 to present.

*English 228—Fundamentals of Speech (5-0-5)*.

Basic principles and practices of speech. The course gives some attention to the physiological make-up of the speech mechanics, phonetics, gesture, articulation, pronunciation, and regional speech differences. However, it consists primarily of practicing the fundamentals of speech through a wide variety of formal, informal, extemporaneous, impromptu, and group participation speech exercises.

*Period Courses* (poetry and prose, with a slight sampling of drama).

*English 301—(5-0-5) Renaissance - Malory through Spenser.*

*English 302—(5-0-5) 17th Century - Donne through Milton.*

*English 303—(5-0-5) Restoration and 18th Century - 1660-1798.*

*English 305—(3-0-3) 19th Century I. Romantics.*

*English 306—(3-0-3) 19th Century II. Victorian.*

*English 307—(5-0-5) Twentieth Century British*

*English 309—(3-0-3) 19th Century American - Poe through Twain*

*English 310—(5-0-5) 20th Century American*

*Genre Courses*

*English 331—(5-0-5) Children's Literature (will not apply toward English major.)*

- English 311*—(3-0-3) *British Novel I. Beginning through Meredith*
- English 312*—(3-0-3) *British Novel II. Hardy to present.*
- English 313*—(5-0-5) *American Novel.*
- English 318*—(5-0-5) *Greek and Roman Drama in Translation*
- English 321*—(5-0-5) *English Drama to 1850 (excluding Shakespeare).*
- English 322*—(5-0-5) *Modern British, American, and Continental Drama, Ibsen to present.*
- English 325*—(5-0-5) *Advanced Grammar*—An objective examination of the structural patterns of modern English by application of the new analytic and descriptive methods. (*Not a review of traditional grammar.*)

#### *Senior Courses*

- English 400*—(1-5)-0-(1-5) *Seminar* (Not offered 1966-67)
- English 402*—(5-0-5) *Milton.*
- English 403*—(5-0-5) *Chaucer.* (Not offered 1966-67.)
- English 404*—(5-0-5) *Shakespeare.*
- English 410*—(5-0-5) *History of the English Language.*
- English 490*—[(1-5)-0-(1-5)] *Independent Study.* (Not offered 1966-67.)

## **French**

*French 101-102*—*Elementary French* (10-0-10). Fall and Winter.

A course for beginners. The approach is primarily oral, and daily practice with tape recordings is required. Students who own tape machines may have tapes recorded for home practice.

No credit for graduation or transfer will be given until the sequence is completed.

*French 10*—*Elementary French* (3-0-3). Fall.

*French 11*—*Elementary French* (3-0-3). Winter.

*French 12*—*Elementary French* (4-0-4). Spring.

These are the same courses as French 101-102 above, but more time is allowed for covering the work. Students will be enrolled for these sections on advice of the instructor.

*French 103—Elementary French (5-0-5)*. Spring. Prerequisite: Two quarters of college French or two years of high school French in the eleventh or twelfth grades.

A continuation of French 101-102, with a continued emphasis on audio-lingual skills as well as reading and writing.

*French 104—Intermediate French (5-0-5)*. Summer. Prerequisite: Three quarters of college French or three years of high school French.

Further reading of texts, oral and composition practice.

*French 201—French Classical Drama (5-0-5)*. Winter. Prerequisite: Selected plays of Corneille, Moliere and Racine.

*French 227—French Literature of the Nineteenth Century (5-0-5)*. Spring. Prerequisite: French 104. A study of Romantic prose, poetry, and drama, with lectures and discussions in French.

## German

*German 101-102—Beginning German (10-0-10)*. Fall and Winter.

Drill upon pronunciation and elements of grammar, conversation and the training of the ear as well as the eye. German is used as much as practicable in the classroom instruction. The course includes reading of texts and translations, conversations, dictation, and dialogues.

No credit for graduation is allowed until sequence is completed.

*German 103—Intermediate German (5-0-5)*. Spring. Prerequisite: Two quarters of college German or two years of high school German.

Grammar review and comparative grammar are studied for the purpose of enabling students to write compositions. Short stories are read; and conversation is practiced.

*German 104—Intermediate German, continued (5-0-5)*. Prerequisite: Three quarters of college German or three years of high school German.

Further reading of texts, oral and composition practice.

## Russian

*Russian 101-102—Elementary Russian (10-0-10).*

This course consists of grammar, composition, conversation, reading and dictation. No credit will be allowed toward graduation until the sequence is completed.

## Spanish

*Spanish 101-102—Elementary (10-0-10).* Fall and Winter.

These courses are for the purpose of providing the student with the elements of Spanish reading, composition and conversation. No credit for graduation will be given until sequence is completed. No credit will be given for these courses if two years of high school Spanish have been completed.

*Spanish 201—Intermediate (5-0-5).* Spring.

Prerequisite: Two quarters of college Spanish or two years of high school Spanish.

This course gives the student an opportunity to review the elements of Spanish grammar, conversation and readings.

## DEPARTMENT OF MATHEMATICS

Professor Lane Hardy, *Head*; Professors Stubbs and Winn; Associate Professor Laffer; Assistant Professors Hall, and Semmes.

### Departmental Requirements for the Major in Mathematics

A major in mathematics will consist of at least 6 courses (30 qtr. hrs.) beyond the calculus sequence (Mathematics 104-201-202-203). Normally a student would accomplish this as follows: Mathematics 311-312; 321-322; and at least one of the sequences: 301-302; 401-402.

Every major program must include Mathematics 311-312 and at least one of these sequences: 301-302; 401-402. A student may, however, substitute for the 321-322 sequence.

It is recommended that a mathematics major support his work in mathematics with at least 15 qtr. hrs. of approved elective courses in related fields.

## Course Offerings

### Engineering

*Engineering Graphics* 113—(0-6-2).

Topics of study include lettering (capital and lower case); the use of the instruments; geometric construction; orthographic projection; emphasis on descriptive geometry concepts as applied to the solution of problems involving orthographic projection of solids, auxiliary views, and points, lines and planes.

*Engineering Graphics* 114—(0-6-2). Prerequisite 113.

Topics of study include the solution of problems involving points, lines and planes by use of the revolution method; intersection of surfaces; warped surfaces: the development of surfaces. Practical applications are emphasized.

*Engineering Graphics* 115—(0-6-2). Prerequisite, 114.

Topics of study include sections and conventions; dimensioning; pictorial representation; detail sketches; shop processes; assembly drawings from detail sketches; working pictorial sketches; introduction to charts and graphs; reproduction processes, ink tracing on cloth; graphical calculus.

### Mathematics

*Mathematics* 104—*Analytic Geometry and Calculus* (5-0-5). Fall, Fall, Winter, Spring.

*Mathematics* 101—*College Algebra* (5-0-5). Fall, Winter, Spring. Prerequisites: Two units of high school algebra or *Mathematics* 9.

Sets, relations, functions, graphs, real numbers, inequalities, absolute value, polynomial functions.

*Mathematics* 102—*Trigonometry* (5-0-5). Fall, Winter, Spring. Prerequisite: *Mathematics* 101.

The trigonometric functions, inverse functions, logarithmic and exponential functions, mathematical induction and the binomial theorem, applications, complex numbers.

*Mathematics* 104—*Analytic Geometry and Calculus* (5-0-5). Fall, Spring. Prerequisite: *Mathematics* 102.

The real numbers (especially the completeness property), coordinate systems, introduction to the integral areas, differential calculus, the Fundamental Theorem of Calculus.



*Mathematics 105—An Introduction to Modern Mathematics I.* (5-0-5). Fall, Winter, Spring. Prerequisites: Two units of high school algebra or *Mathematics 9*.

This course and *Mathematics 106* are designed to introduce the non-science major to modern mathematical concepts and to suggest an appropriate cultural setting for the subject.

*Mathematics 106—An Introduction to Modern Mathematics II.* (5-0-5). Fall, Winter, Spring. Prerequisite: *Mathematics 105*.

This course will proceed in the same spirit as *Mathematics 105*. A specific area of mathematics will be studied in an effort to acquaint the liberal arts student with the work of contemporary mathematicians. Appropriate topics will be selected from one or more of the following areas: Abstract algebra, modern geometry, analysis, topology, number theory, game theory.

*Mathematics 201—Analytic Geometry and Calculus* (5-0-5). Winter, Fall. Prerequisite: *Mathematics 104*.

The differential and integral calculus of exponential, logarithmic and inverse trigonometric functions, elementary differential equations, algebra of vectors.

*Mathematics 202—Analytic Geometry and Calculus* (5-0-5). Spring, Winter. Prerequisite: *Mathematics 201*.

Some vector analysis, analytic geometry of two and three dimensions, conics, polar and cylindrical coordinates, the Mean-Value Theorem, Cauchy's Theorem, Taylor polynomials.

*Mathematics 203—Analytic Geometry and Calculus* (5-0-5). Spring. Prerequisite: *Mathematics 202*.

Problems involving extrema, the theorems of L'Hopital and applications, infinite sequences and series.

*Mathematics 204—Introduction to Statistics* (5-0-5). Prerequisite: *Mathematics 102*.

*Mathematics 235—Finite Mathematics* (5-0-5). Prerequisite: *Mathematics 102*.

*Mathematics 301, 302, 303—Advanced Calculus* (5-0-5). Prerequisite: *Mathematics 203*.

*Mathematics 305—Differential Equations* (5-0-5). Prerequisite: *Mathematics 201*.

*Mathematics 311, 312, 313—Abstract Algebra* (5-0-5). Prerequisite: *Mathematics 203*.

Groups, rings, fields, linear algebra.

*Mathematics* 321, 322, 323—*Projective and Related Geometries* (5-0-5). Prerequisite: Consent of instructor. (Not offered in 1966-67).

*Mathematics* 401, 402, 403—*Real Variables* (5-0-5). Prerequisite: Mathematics 203 and consent of instructor. (Not offered in 1966-67).

*Mathematics* 411, 412—*Complex Variables* (5-0-5). Prerequisite: Mathematics 203. (Not offered in 1966-67).

*Mathematics* 421, 422—*Numerical Analysis* (5-0-5). Prerequisite: Mathematics 203. (Not offered in 1966-67).

*Mathematics* 452—*Basic Ideas of Arithmetic* (5-0-5). Prerequisite: Mathematics 105.

This course is designed to give elementary teachers a clear understanding of the fundamental ideas of arithmetic and to acquaint them with the material currently being used in the elementary schools.

## Music

(See listing under Department of Fine Arts)

## Philosophy

(See listing under Department of History and Political Science)

## DEPARTMENT OF PHYSICAL EDUCATION

Professor Roy J. Sims, *Head*; Assistant Professor Tapp; Instructor Smith.

### Course Offerings

*Physical Education* 111—*Conditioning Course* (0-2-1). Fall.

Consists of calisthenics, stunts and tumbling, lifts and carries, road work, duel combatives, and simple games.

*Physical Education* 112—*Team Sports* (0-2-1). Winter.

Consists of basketball, soccer, speedball and volleyball.

*Physical Education* 113—*Elementary Swimming* (0-2-1). Spring.

*Physical Education* 114—*Officiating of Basketball* (1-3-2). Winter.

Consists of a study of rules interpretation and actual experience in coaching and officiating in class and intramural games. Elective credit, except when substitute for P. E. 112.

*Physical Education 201—Elementary Tennis (0-2-1). Fall.*

*Physical Education 203—Senior Life Saving and Instructors' Course in Swimming (2-3-2). Spring. May be substituted for P. E. 113.*

*Physical Education 204—First Aid (3-0-1). Winter.*  
The American Red Cross standard course in first aid.

*Physical Education 205—Folk Rhythms (0-2-1). Spring.*

*Physical Education 206—Beginning Modern Dance (0-2-1).*  
Winter.

*Physical Education 207—Tap Dance for Beginners (0-2-1).*

*Physical Education 208—Adult Recreative Sports (0-2-1).*

Golf, ping-pong, pool, card games, chess, checkers and other quiet games.

*Physical Education 232—Bowling (0-2-1). Winter.*

*Physical Education 233—Badminton (0-2-1).*

*Physical Education 234—Trampoline (0-2-1).*

The student is taught the proper care and use of the trampoline. He learns to perform the following skills: seat drop, knee drop, front drop, back drop, pull over, cradle, turntable, swivel hips, spotting, and somersault.

*Physical Education 236—Intermediate Modern Dance (0-2-1).*  
Prerequisite: P. E. 206.

A continuation of Physical Education 206 with emphasis on dynamics, composition and choreography.

## Physical Science

(See listing under Department of Chemistry and Physics)

## Physics

(See listing under Department of Chemistry and Physics)

## Political Science

(See listing under Department of History and Political Science)

## DEPARTMENT OF PSYCHOLOGY & SOCIOLOGY

Professor Robert H. Cormack, *Head*; Professor Thompson;  
Assistant Professors Arger and Davidson

### Course Offerings

#### Anthropology

*Anthropology 201—Man and His Culture (5-0-5).*

An introduction to the study of man as a cultural animal, the development of human societies from preliterate beginnings, the rise of complex social organizations with an outline study of the major cultures developed by man.

#### Psychology

*Psychology 100—Psychology of Adjustment (5-0-5).* Fall, Winter, Spring, Summer.

This course is an orientation into college learning and to changes appropriate to effective use of college resources. Objective aids developed in the field of psychology will be used to explore methods of study that are productive in learning. Resources of psychological research will be applied to educational and vocational adjustment problems. Special emphasis is placed upon the understanding of emotional, motivational and defensive processes that affect a student's productivity in college. One day a week is used for students to work as a group on their own problems of study and adjustment.

*Psychology 201—Introduction to Psychology (5-0-5).* Fall, Winter, Spring, and Summer.

Psychology studies individual behavior by use of various adaptations of scientific observation. This course works with the evidence and concepts pertaining to primary behavior processes which systematic observation has explored. These topics, basic to understanding human behavior, include scientific methodology in psychology, heredity and patterns of growth, processes of learning and retention, adjustment processes as affected by motivation, emotions, and adaptations to frustration and conflict, sensory-perceptual processes leading to objective observation, and the use of these interacting processes for thinking purposefully, objectively, logically and creatively. By the end of the course the student is expected to be able to see these processes interacting in a given example of behavior. Principles from research

are applied to areas of individual differences, personality formation, social behavior and abnormal behavior.

*Psychology 202-203—Introduction to Psychology with experiments.* (10-0-10). Fall-Winter.

The subject matter of Psychology 201 will be duplicated in this course extended over a two quarter sequence. Laboratory projects, demonstrations, and individual experiments will be scheduled in connection with topics listed in Introduction to Psychology to teach and illustrate the various scientific methods of observation used in psychology: experimental method, field studies, statistical methods, and clinical or case study methods of observation. It is recommended that students expecting to major in psychology or who have a particular interest in preparing for the helping professions select this two quarter sequence.

*Psychology 301—Educational Psychology* (5-0-5). Summer.

Special emphasis is placed upon developing competencies on the part of the prospective elementary and high school teachers in understanding and applying the psychological principles involved in the learning processes and understanding the development of children and youth. Supervised visits will be made to schools for observation and study, when possible.

*Psychology 303—Social Psychology* (5-0-5). Spring. Prerequisite: Psychology 201.

This course centers on a study of the individual's interaction with his social groups (family, friendship groups, clubs, church groups, community groups). Forces of need, emotion and interests that bind the individual to his groups and the dynamic forces of group interaction are analyzed. The live laboratory of the class itself is used for experiencing the processes of communication and interaction in a group setting. Special topics of attitude formation, leadership, group conflicts, social stratification, mass communication, propaganda, public opinion formation and methods of changing group patterns are studied by consulting the reports of responsible studies and by group projects.

*Psychology 304—Psychology of the Abnormal* (5-0-5). Winter Prerequisite: Psychology 201.

This course includes a study of the various forms of emotional illness and maladjustment, including mental deficiency and anti-social behavior. These processes will be related to basic principles of human behavior that are included in Introductory Psychology. Trips to city and state facilities will be arranged for the observation of diagnostic and treatment procedures. The course is planned especially for students going into the helping professions.

*Psychology 305—Child and Adolescent Psychology (5-0-5).* Spring. Prerequisite: Psychology 201.

This course presents tested information on how growth, development and learning affect the behavior of human beings from conception through childhood and adolescence. Systematic study of responsible research in this field, from life-study, clinical and experimental research methods, is the basis for class seminar and lecture. To supplement study of the literature projects are planned for direct observation of child behavior in a nursery school, in various elementary school classes and in informal settings. When possible, special areas receive special study, such as testing programs, problems of exceptional children, child therapy or typical problems in child-parent relations and child placement.

*Psychology 307—Physiological Psychology (5-0-5).* Summer: Prerequisite: Psychology 201, or permission of instructor.

Introduction to biological bases of psychological processes. Structure and function of nervous system is studied and related to the behavior of humans and other organisms.

*Psychology 308—Psychology of Perception (5-0-5).* Fall Prerequisite: Psychology 201.

An experimental, theoretical approach to problems of perception. The role of perception in learning, emotion, and motivational processes is examined. Special attention is given to psychological methods and to the influence on perception of the context in which perception occurs.

*Psychology 309—Learning and Motivation (5-0-5).* Winter: Prerequisite: Psychology 201.

An examination of methodology and theory associated with the various forms of learning and their motivational concomitants. Demonstrations and experiments are designed to acquaint the student with the complexities of conditioning and the higher learning processes, and with the nature of methodological variables.

*Psychology 310—History of Psychology (5-0-5).* Spring. Prerequisite: Psychology 201.

A study of the basic ideas in psychology from early animism to modern behavioristics. Special attention is given to the philosophical bases at various times in the history of psychology.

## Social Science

*Social Science 104—Contemporary Georgia (5-0-5).*

A study of current economic and social statistics as pertaining to agriculture, industry and commerce, population trends and governmental organizations and problems.

## Sociology

*Sociology 201—Introductory Sociology (5-0-5).* Fall, Winter, Spring, Summer.

Sociology is the scientific study of human behavior at the group level. This course presents material which has been gathered by systematic and objective investigations of human society. Through the introduction of material from the fields of cultural anthropology and social psychology an understanding is gained not only of the function of culture as a factor in the socialization of the individual but also of the role of the individual as a member of his own society. Attention is then turned to the major social institutions of society and finally to a theoretical consideration of the social processes.

*Sociology 202—Preparation for Marriage and Family Living (5-0-5).* Spring.

This course is designed as a functional approach to the problems associated with mate selection and marital adjustment in our society. As a background to the study of marriage and family living, the family as an institution is studied using a cross-cultural analysis of different societies. Each stage of preparation for marital adjustment is discussed including: dating, courtship, engagement, sex, financial adjustment, religion, recreation, friends, and children. A prominent medical specialist serves as a guest lecturer in the discussion of physical adjustment in marriage and parenthood. Other guest lecturers include representatives from different religious faiths to discuss the problems associated with interfaith marriages. In this course the student is provided with knowledge which will encourage a mature and objective approach to the problems and responsibilities inherent in marriage and parenthood in our society today.

*Sociology 350—Community and Social Problems (5-0-5).* Winter, Prerequisite: Sociology 201.

The purpose of this course is to provide an understanding as well as a theoretical orientation to the problems of American society through the use of data obtained in scientific investigations of society. In addition to exploring the nature and origins of social problems in general, attention will be directed to such special areas as environ-

mental health, poverty, unemployment, education, government, juvenile delinquency, adult crime, care for dependent children, housing, community planning, resources for the aged, and group conflicts. Include in the course format are seminar discussions, individual study of problems of special interest, and selected field trips. The course is designed to stimulate the student's constructive involvement, as a citizen, in the life of his community.

### **Russian**

(See listing under Department of Language and Literature)

### **Social Science**

(See listing under Department of Psychology and Sociology)

### **Sociology**

(See listing under Department of Psychology and Sociology)

### **Spanish**

(See listing under Department of Language and Literature)

### **Speech**

(See listing under Department of Language and Literature)

### **Zoology**

(See listing under Department of Biology)



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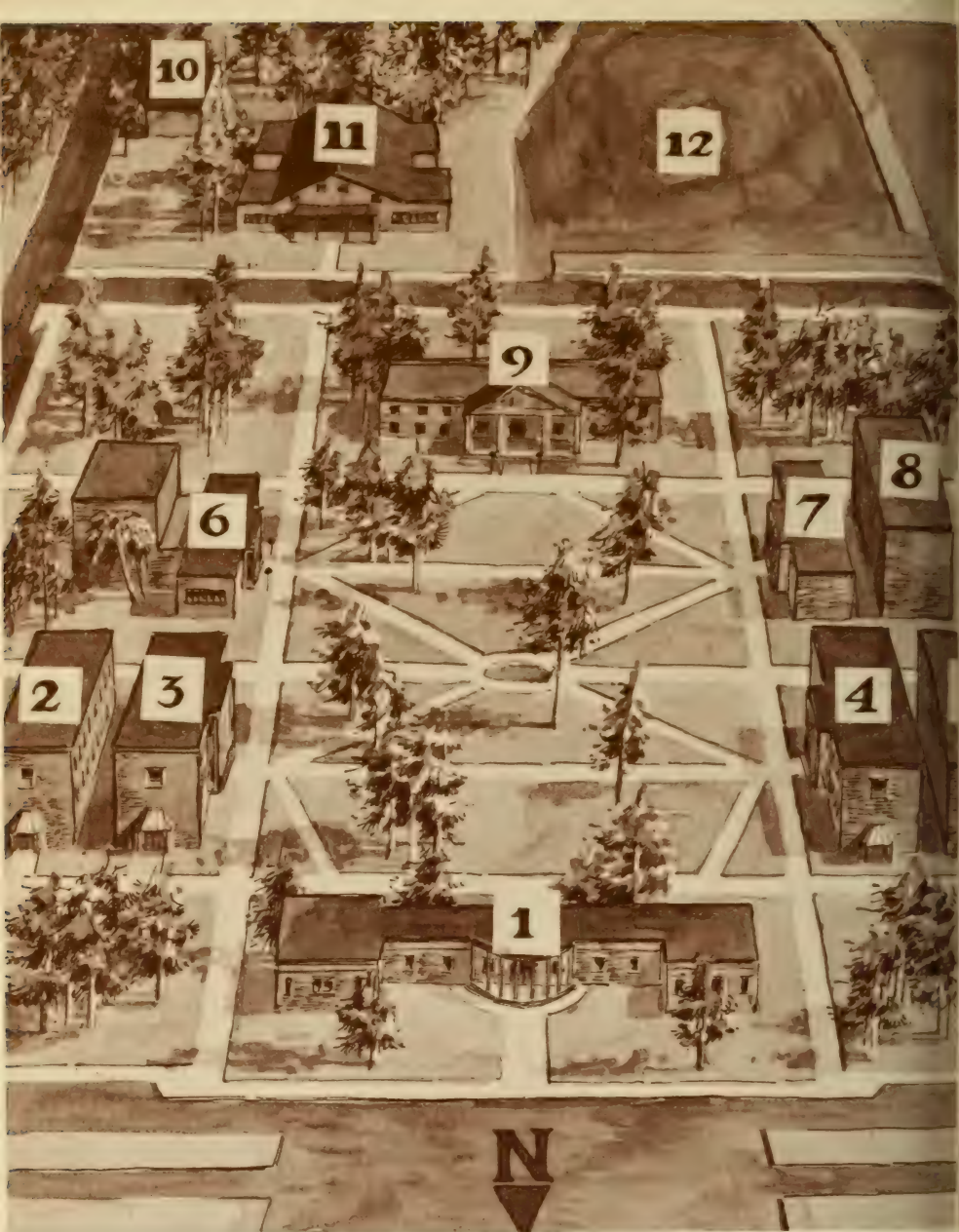
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Savannah, Georgia



*Latin and General Catalogue of Four Year Program*



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- |                            |  |
|----------------------------|--|
| 1. Administration Building | 7. Memorial Student Center               |
| 2. New Classroom Building  | 8. New Addition to Student Center        |
| 3. Gamble Building         | 9. Lane Library                          |
| 4. Science Building        | 10. Maintenance Building                 |
| 5. New Science Building    | 11. Health & Physical Education Building |
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Summer

Fall

Winter

Spring

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Volume XXXII

Number 7

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1967

CALENDAR

1967

## APRIL

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1968

CALENDAR

1968

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# CALENDAR FOR 1967 - 1968

## Summer Quarter, 1967

May 22:	Last day for freshman and transfer students to file all papers required in the application for admission.
May 31:	Last day for transient students (for Summer Quarter only) to file all papers required in the application for admission.
June 12:	Registration
June 13:	Classes begin
June 14:	Last day to register for credit
June 16:	Last day to change classes
July 4:	Holiday
July 10:	Mid-term reports due
July 17-21:	Pre-advisement for Fall Quarter
August 9-11:	Examinations

## Fall Quarter, 1967

July 24-28:	Freshman Orientation
September 1:	Last day for freshman and transfer students to file all papers required in the application for admission
September 21:	Advisement for sophomores, juniors, seniors 9:00 - 11:00 2:00 - 5:00
September 22:	Registration
September 25:	Classes begin
September 26:	Last day to register for credit
September 29:	Last day to change classes
November 6:	Mid-term reports due
November 13-17:	Pre-advisement for Winter Quarter
November 20:	Ga. and U.S. history and government test
November 23-24:	Thanksgiving Holidays
December 13-15:	Examinations

## Winter Quarter, 1968

November 4:	Administration of Scholastic Aptitude Test for applicants who wish to enroll in January. (Deadline for filing application for test is October 7, 1967, or October 21, 1967 upon payment of late registration fee.)
December 12:	Last day for freshman and transfer students to file all paper required in the application for admission.
January 2:	Registration
January 3:	Classes begin
January 4:	Last day to register for credit
January 9:	Last day to change classes
February 6:	Mid-term reports due
February 13-17:	Pre-advisement for Spring Quarter
March 12-14:	Examinations

## Spring Quarter, 1968

March 1:	Last day for freshman and transfer students to file all papers required in the application for admission.
March 20:	Registration
March 21:	Classes begin
March 22:	Last day to register for credit
March 27:	Last day to change classes
April 22:	Mid-term reports due
April 28 - May 3:	Pre-advisement for Summer and Fall Quarters
May 15:	Honors Day Assembly
May 29-31:	Examinations
June 3:	Graduation

## Summer Quarter, 1968

May 20:	Last day for freshman and transfer students to file all papers required in the application for admission.
June 3:	Last day for transient students (for Summer Quarter only) to file all papers required in the application for admission.
June 10:	Registration
June 11:	Classes begin
June 12:	Last day to register for credit
June 14:	Last day to change classes
July 4:	Holiday
July 8:	Mid-term reports due
July 15-19:	Pre-advisement for Fall Quarter
August 7-9:	Examinations

## Fall Quarter, 1968

July 22-26:	Freshman Orientation
September 1:	Last day for freshman and transfer students to file all papers required in the application for admission.
September 20:	Registration
December 11-13:	Examinations

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(January 13, 1965 - January 1, 1971)	
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(February 17, 1967 - January 1, 1974)	
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(January 1, 1963 - January 1, 1970)	
State at Large—Carey Williams.....	Greensboro
(January 1, 1962 - January 1, 1969)	
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(January 1, 1962 - January 1, 1969)	
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(January 1, 1961 - January 1, 1968)	
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*Professor of Music*

DALE PRICE, B.A., Florida State University; M.A., Florida State University

*Director, Student Activities*

VIRGINIA RAMSEY, A.B., Vanderbilt University; M.A.T., Emory University

*Assistant Professor of English*

JAI BONG RO, B.A., Seoul National University (Korea)

*Assistant Professor of Political Science*

PAUL E. ROBBINS, B.S., University of Pennsylvania; Ph.D., Georgia Institute of Technology

*Associate Professor of Chemistry*

\*Part-time Instructor.

JAMES T. ROGERS, B.S., Delta State College; M.R.E., New Orleans Baptist Theological Seminary; Ed.D., Florida State University  
*Dean of Student Affairs*

JULE C. ROSSITER, A.A., Armstrong State College  
*Comptroller*

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*Instructor in Nursing*

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*Professor of English*

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*Head, Department of Physical Education*  
*Professor of Physical Education*  
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*Head, Department of Education*  
*Professor of Education*

CEDRIC STRATTON, B.Sc., Nottingham University, England; Ph.D., Birkbeck College, London, England  
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*Director, Community Services*

ROBERT I. STROZIER, A.B., University of Georgia; M.A., Ph.D., Florida State University  
*Professor of English*

ROBERT T. STUBBS, B.S., M.S., Georgia Institute of Technology  
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LAWRENCE M. TAPP, B.S., M.S., University of Tennessee  
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*Basketball Coach*

\*Part-time Instructor.

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*Professor of Psychology*

FRANCIS M. THORNE, III, B.S., Stetson University; Ph.D., University of Georgia

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# GENERAL INFORMATION

## Armstrong State College:

### *Purposes and Programs*

A college is primarily a community of teachers and students who organize their energies for the work of the mind. Success in college means that a student has acquired those liberating skills of the mind that enable a man or woman to live the most fruitful life possible for him or her; that he has discovered the *usefulness* of those skills for understanding the world and for living in it competently and conscientiously.

Armstrong State College attempts to provide a climate where the student is induced to make connections between what he thinks and does and the best that has been thought and done. It is a climate intending to nourish the judging, critical and free man, responsible to himself and to his fellow man because he is developing and testing his own ideas and values.

Here the student works under able teachers to acquire liberal arts, and with their aid to explore man and his world through the insights of the humanities, the natural sciences and the social sciences. These studies are the core of every four year degree program.

In addition, the complex professional resources of the college make it the center for professional programs, such as those in elementary and secondary education, nursing, and business, which require a sound academic training as well as the development of professional skills. The college is the natural center for the creation of numerous programs, often through short non-credit courses and institutes, which apply the college's resources to the many problems arising in a large urban community. In this sense, the educational role of the college is truly multi-purpose.

#### FOUR-YEAR DEGREES

Bachelor of Arts in the fields of history, English, and music.

Bachelor of Science in the fields of biology, chemistry, and mathematics.

Bachelor of Business Administration in the fields of accounting, management, and economics.

(Each of these above degrees may be taken along with an approved program leading to certification for secondary school teaching.)

Bachelor of Science in Elementary Education.

Bachelor of Science in Medical Technology.



## TWO YEAR DEGREES

The Associate in Arts Degree is offered as preparation for higher degrees in the liberal arts and the professions, and for positions in business after two years of college.

The Associate in Arts Degree in Nursing prepares graduates for the State Examination for licensure as registered nurses.

The student planning to transfer from Armstrong State College into a professional or academic major program not offered here should, at the beginning of his freshman year, consult the catalogue requirements of the school he plans to attend. Armstrong State College offers the first year of programs in forestry and veterinary medicine; the first two years of programs in engineering, industrial management, physical education, physics, pharmacy; the first three years, or the entire pre-professional programs, in dentistry, law, medicine, optometry, and other fields.

## History of the College

Armstrong State College was founded on May 27, 1935, as Armstrong Junior College, by the Mayor and Alderman of the City of Savannah to meet a long felt need for a college in the community. The College was housed in the Armstrong Building, a gift to the city from the family of George F. Armstrong, and over the years built or acquired five more buildings in the neighborhood of Forsyth Park and Monterey Square.

The College, as Armstrong College of Savannah, became a two-year unit of the University System of Georgia on January 1, 1959, under the control of the Regents of the University System.

In 1962, the Mills Bee Lane Foundation purchased a new campus site of over 200 acres, selected by the Regents. The new campus, with seven new buildings, was occupied in December, 1965.

In 1964, the Regents conferred upon Armstrong the status of a four-year college, with the right to offer the degrees of Bachelor of Arts, Bachelor of Science, and Bachelor of Business Administration. The first degrees will be conferred in June, 1968. The College now offers ten major programs leading to these degrees, and, in addition, the degrees of Bachelor of Science in Elementary Education, Bachelor of Science in Medical Technology, and the two year Associate in Arts Degree in Nursing.

The College community includes about 1600 students and 65 full-time faculty members.

Armstrong State College retained its accreditation as a junior college by the Southern Association of Colleges and Schools when it

became a four-year college. It is now in the process of following the procedure required by the Association for accreditation as a senior institution. Armstrong State College expects to be accredited as a senior institution in the fall of 1968 with accreditation retroactive to January 1, 1968.

### Library

The Lane Library is a modern two-story building completed in the winter of 1965. The building is completely air conditioned and fully carpeted. The library is equipped with well-designed furniture of the highest quality. A reading room and individual carrel desks are available on both floors. There is an attractively furnished periodical and newspaper room on the first floor. Faculty carrels, group study rooms, a seminar room and a staff-faculty room are available on the second floor. All stacks are open.

The library's collection is comprised of books, periodicals, pamphlets, documents, newspapers, maps, microfilm, microcards, and other materials. Cataloged volumes in the library total approximately 35,000.

The periodicals subscription list of 375 titles is well balanced and carefully chosen to meet the requirements of students and faculty.

A microfilm reader-printer, a microcard reader and a copying machine are available in the library for faculty and students use.

Services and regulations are specified in the library handbook, available on request to the Librarian of the college.

### Evening Classes

In addition to the full daytime schedule, Armstrong offers a schedule of classes in the evening, including most of the required courses for many programs leading towards a degree.

Students employed during the day must limit their enrollment to one or two courses each quarter.

### Office of Community Services

*Short Courses, Workshops and Institutes.* These are planned, organized and administered by the office in response to group interest, or to meet a community need brought to the attention of the Dean. All are offered on a non-credit basis and, except in a very few cases, there are no special requirements or prerequisites for admission. A separate bulletin describing all credit and non-credit evening classes is published each summer. An additional brochure of the non-credit courses and special events, under the heading of "The Seven-

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Thirty Series" is mailed out before the beginning of every quarter; anyone wishing to do so may have his name placed on this mailing list. Subjects covered vary widely; the series is designed to offer something to appeal to almost any adult taste, from Computer Programming to a survey of the leading religions of the United States. The Dean is always glad to arrange courses for candidates preparing to take professional examinations in engineering, insurance, real estate and many others; the college has been approved as an Examination Center for a number of these examinations. One-day workshops, such as the annual Writers' Workshop, are also planned and managed by this office.

## ADMISSIONS

Application forms for admission to Armstrong State College are provided by the Admission Officer upon request. An application cannot be considered until all required forms are properly executed and returned to the Admissions Office. Applications must be on file in the Admissions Office at least twenty days before the opening of the quarter in which the applicant wishes to enter. Deadlines for submitting applications for the 1967-68 session are:

- For Summer Quarter, 1967 —May 22 (New freshmen and transfers)
- May 31 (Transient students—  
Summer only)
- For Fall Quarter, 1967 —September 1
- For Winter Quarter, 1968 —December 12
- For Spring Quarter, 1968 —March 1
- For Summer Quarter, 1968 —May 20 (New freshmen and transfers)
- June 3 (Transient students—  
Summer only)
- For Fall Quarter, 1968 —September 1

The applicant must be at least sixteen years old on or before registration date and must give evidence of good moral character, promise of growth and development, seriousness of purpose, and a sense of social responsibility. Armstrong State College reserves the right to examine and appraise the character, the personality, and the physical fitness of the applicant. The College further reserves the right to examine any applicant by the use of psychological, achievement, and aptitude tests and to require additional biographical data and an interview before the applicant is accepted or rejected. If an interview is required, the applicant will be notified.

Armstrong State College reserves the right to refuse to accept any or all of the credits from any high school or other institution, notwithstanding its accredited status, when the College determines through investigation or otherwise that the quality of instruction at such high school or other institution is for any reason deficient or unsatisfactory. The judgment of the College on this question shall be final.

The Admissions Officer may refer any applicant to the Admissions Committee of the College for study and advice. The ultimate decision as to whether an applicant shall be accepted or rejected shall be made by the Admissions Officer subject to the applicant's right of appeal as provided in the policies of the Board of Regents of the University System.

The Admissions Officer shall, as promptly as practicable, inform the applicant of the action taken upon his application.

The College reserves the right to terminate acceptance of applications when enrollment capacity is reached. The College further reserves the right to reject an applicant who is not a resident of the State of Georgia.

All students enrolled at Armstrong State College are required to sign the Honor Pledge at the time of their initial registration. For a detailed explanation of the Honor System see the REGULATIONS section of this catalogue.

Specific requirements for admission are discussed below.

### Requirements for Freshman Applicants

1. Certificate of graduation from an accredited high school (or successful completion of the General Educational Development Test [GED] with no score less than 45).

2. A transcript of the applicant's high school record to be submitted by the high school directly to the College.

3. A minimum of sixteen units of high school credit, including the following specific subjects:

English—4 units

Mathematics—2 units (One unit must be in algebra, although two units of algebra are desirable. For students entering the engineering or scientific fields, two units of algebra and one of geometry are needed.)

Science—2 units

Social Studies—2 units

Other units sufficient to graduate.

4. Satisfactory scores on the Scholastic Aptitude Test of the College Entrance Examination Board. Official results of this test must be filed with the Admissions Office by the final date for submitting application for the quarter in which the student wishes to enroll.

The Scholastic Aptitude Test is given in all states and numerous foreign countries in December, January, March, May, and July, and in nine states, including Georgia, in November. Students wishing to make application to take the test may secure application forms from their secondary school principal or counselor, or by writing directly to the College Entrance Examination Board, Box 592, Princeton, New Jersey 08540, or Box 1025, Berkeley, California 94701, for an application form and the *Bulletin of Information* which is available without charge. Applicants who wish to enroll at the beginning of the Winter

Quarter should take the Scholastic Aptitude Test in November. The deadline for filing application for the test which will be given on November 4, 1967, is October 7, 1967 (or October 21, 1967, upon payment of a late registration fee).

5. Application fee of \$10 which must accompany the application form. This fee does not bind Armstrong State College to admit the applicant nor does it indicate acceptance of the applicant's qualifications. The fee will not be credited toward the matriculation fee in the event that the applicant is accepted as a student and it will not be refunded in the event that the applicant does not enroll as a student. An applicant who fails to enroll in the quarter for which he is accepted must reapply for admission if he wishes to enter the institution at a later time by resubmission of fee by the date specified.

6. Emergency Surgery or Medication Permit signed by the parents of a student (or the student himself is over 21 years of age) must be returned prior to admission either authorizing or not authorizing the College to take whatever action is deemed necessary in the case of an emergency until the parents' can be reached.

7. Physical examinations prior to admission are required for all entering students with the exception of the following: Evening students, special students, transient students, and auditors.

On the basis of his achievement as reflected by his high school grades and on his potential ability as shown by his scores on the Scholastic Aptitude Test, an evaluation of each applicant's readiness to undertake college work will be made.

### **Advanced Placement**

Armstrong State College gives advanced placement, or in some cases college credit, for college level high school courses, on the basis of the high school teacher's recommendation, the student's grade on the Advanced Placement Examination of the CEEB, and approval by the appropriate department chairman of Armstrong State College.

### **Requirements for Transfer Applicants**

1. Transfer applicants will follow the same procedures as freshman applicants, except that transfer applicants who will have achieved sophomore standing at the time of their entrance will not be required to submit their high school records. Such records may be required by the Admissions Office but normally the transcripts of previous college records will suffice in place of the high school record. A

transfer applicant must ask the Registrar of *each* college he has previously attended to mail an official transcript of his record to the Admissions Office at Armstrong State College, regardless of the transferability of the credits.

2. Transfer applicants with less than sophomore standing (less than 45 quarter hours completed) must meet entrance requirements of both freshman and transfer applicants and will be required to submit their high school records as well as transcripts of college records.

3. A transfer applicant will not be eligible for admission to Armstrong State College unless he is eligible to return to the last college attended on the date he expects to enter Armstrong. A student who is on suspension from another college because of poor scholarship or disciplinary reasons will not be eligible for admission.

4. A transfer applicant will be considered for admission to Armstrong State College if, on *all* work attempted at other institutions, his academic performance as shown by his grade point average is equivalent to the minimum standard required of Armstrong State College students of comparable standing. (See chart under Academic Probation and Dismissal Policy on page 45.)

5. Credit will be given for transfer work in which the student received a grade of "D" or above with the percentage of "D" and "D+" grades not to exceed twenty (20) per cent of the total hours being transferred. College credit will not be allowed for such courses as remedial English and remedial mathematics or courses basically of secondary school level.

6. Credits earned at an institution which is not a member of the appropriate regional accrediting agency can be accepted on a provisional basis only. A student transferring from an institution which is not a member of the regional accrediting agency must achieve a "C" average on his first fifteen quarter hours of work at Armstrong in order to be eligible to continue. His transfer credits would then be evaluated in certain areas by examination.

7. The amount of credit that Armstrong will allow for work done in another institution within a given period of time may not exceed the normal amount of credit that could have been earned at Armstrong during that time. A maximum of 100 quarter hours may be transferred from a junior college. For a bachelor's degree, 90 quarter hours of junior and senior level work will be required (except in certain approved programs in mathematics, the natural sciences, and music), of which the last 45 quarter hours in courses numbered 200 and above must be taken at Armstrong. At least half of the courses offered in the major field must be taken at Armstrong.

8. Not more than one-fourth of the work counted toward a degree may be taken by correspondence or extension courses. No

correspondence courses may be used to meet requirements in the major field or the related field for the bachelor's degree. No correspondence courses may be taken while a student is enrolled at Armstrong State College. Correspondence credit will not be accepted for courses in English composition or foreign language.

### **Special Students**

Applicants who possess a bachelor's degree or its equivalent and who wish to take courses for personal enrichment or advancement may be admitted as special students. Such an applicant will submit the application form and fee and will have official transcripts of his college records mailed to the Admissions Office by the final date for submitting applications for the quarter in which he wishes to enroll.

### **Auditors**

Armstrong State College grants to certain persons who are not regularly admitted students special permission to audit courses. Such applicants will not be required to take the Scholastic Aptitude Test given by the CEEB but must meet all other requirements for admission and pay regular fees. A special form for permission to audit courses may be obtained from the Admissions Office.

### **Readmission of Former Students**

A student who has not been enrolled at Armstrong for one or more quarters must apply for readmission on a form provided by the Admissions Office. A former student who has not attended another college since leaving Armstrong may be readmitted provided he is not on suspension at the time he wishes to re-enter. A former student who has attended another college since leaving Armstrong must meet requirements for readmission as a transfer student or as a transient student, whichever is applicable. A student who is readmitted after an absence from the College for more than two years must meet degree requirements as listed in the catalogue in effect at the time of his return.

### **Transient Students**

Transient student status means that a student is admitted to Armstrong State College only for a specified period of time, normally a summer quarter, with the understanding that he is to return to his own college for the next quarter. An applicant for transient status must file a regular application form and submit a statement from his Dean or Registrar that he is in good standing and has permission to take specific courses at Armstrong to be transferred to



his own institution when satisfactorily completed. Since transient students are not admitted as regular Armstrong students, transcripts of college work completed elsewhere are not usually required of such applicants. A transient student who wishes to remain at Armstrong longer than one quarter must submit an additional statement from his Dean or Registrar or he must meet all requirements for regular admission as a transfer student.

### **Armstrong State College/High School Accelerated Program**

This program marks a new venture for this community in which college and high school join to challenge intellectually able young men and women to test their interests and their capacity to learn.

#### **The Program**

High school students who have completed the eleventh grade, who have met the criteria for admission to this program and who maintain its standards will be permitted to enroll in one course each quarter at Armstrong State College while they complete the senior year of high school. Upon graduation from high school, these students will be admitted upon application as regular students of the College and will be given full college credit for the courses taken at Armstrong.

Through this program, a student may complete over two-thirds of the freshman year of college before he begins his regular college career.

The maximum number of college courses possible is:

Summer .....	1 course	( 5 qtr. hours)
Fall .....	1 course	( 5 qtr. hours)
Winter .....	1 course	( 5 qtr. hours)
Spring .....	1 course	( 5 qtr. hours)
Summer (following high school graduation and admission to Armstrong) .....	3 courses	(15 qtr. hours)
	7	courses (35 qtr. hours)

#### **The College Courses**

Every student accepted in this program must take a course in English or mathematics first. Thereafter he may choose any freshman course, with permission of his college adviser.

#### **Criteria of Admission**

The College will consider a student for this program only upon written recommendation of his high school principal. In the view of

the College, it is only the principal who can judge the circumstances that may make the program valuable and practicable for any student.

To be admitted to the program a student must satisfy all of these criteria:

1. written recommendation by the Principal of the high school;
2. completion of the eleventh grade in an accredited high school;
3. a combined verbal and math score of 1000 on CEEB tests;
4. an average grade of B or better in academic subjects (English, mathematics, science, social studies, languages) through the ninth, tenth and eleventh grades as averaged by the Armstrong State College Admissions Officer.
5. written permission of the parents.

### **Standards**

A student forfeits the privilege of this program if in any quarter his grade in the college course is below C or his high school average in academic courses is below B.

### **Procedure for Admission**

A high school principal may recommend students following the fifth six-week period of the students' eleventh year. The recommendation to the College must be made by May 15th if the student intends to begin in the summer. The principal may recommend following the full eleventh year by August 15th if the student intends to begin in the fall.

## **Foreign Students**

A student from a country other than the United States who is interested in attending Armstrong must meet the following requirements before application is made:

1. He must have met the requirements of paragraph 3, under REQUIREMENTS FOR FRESHMAN APPLICANTS, in regard to units in the subjects required at Armstrong.
2. He must have an official transcript of his academic record mailed to the Admissions Office at Armstrong with an official translation.
3. He should take the SAT of the College Entrance Examination Board in the testing center nearest his home and ask that the results be sent to Armstrong.

If the applicant meets the academic requirements for admission, he will be sent an application form. After it has been returned and

approved, the applicant will be sent an I-20 Form (I-20A and I-10B), which he can then take to the American Consul to ask for a student visa.

Armstrong is a community college and has no dormitory or boarding facilities, so these must be arranged by any student who does not live in Savannah.

No scholarships are available for students who are not legal residents of Georgia. All foreign students must pay non-resident fees.

### **Admission of Veterans**

After having been accepted at Armstrong State College and upon receipt of Certification of Eligibility and Entitlement from the Veterans Administration, veterans may attend under Public Law 358 (Veterans Readjustment Benefits Act of 1966), Public Law 815 (disabled), Public Law 894 (disabled), Public Law 634 (war orphans), or Public Law 361 (children of permanently disabled veterans). Students under Public Law 358, 361, or 634 should be prepared to pay tuition and fees at the time of registration.

### **Applicants Sponsored by Vocational Rehabilitation**

Those applicants sponsored by Vocational Rehabilitation or other community agencies must apply at least six (6) weeks before the beginning of any quarter to insure proper processing of application.

### **Financial Aid**

(See STUDENT SERVICES AND ACTIVITIES section of this Bulletin for further information.)

### **Registration and Orientation**

Prior to the Fall Quarter a period of orientation is set aside to assist new students in becoming acquainted with the College, its curriculum, extra-curricular activities, student leaders, counselors, members of the faculty and the administration. Complete instructions concerning registration are made available to all students at the beginning of the registration period. Registration includes counseling, academic advisement, selection of courses, enrollment in classes, and payment of fees. Full details regarding orientation and registration are provided to all incoming students during the summer preceding their initial enrollment.

### Residency Requirements of the Board of Regents

To be considered a *legal* resident of Georgia, the applicant must establish the following facts to the satisfaction of the Admissions Officer:

1. A student who is under 21 years of age at the time he seeks to register or re-register at the beginning of any quarter will be accepted as a resident student only upon a showing by him that his supporting parent or guardian has been legally domiciled in Georgia for a period of at least twelve months immediately preceding the date of registration or re-registration.
2. In the event that a legal resident of Georgia is appointed as guardian of a non-resident minor, such minor will not be permitted to register as a resident student until the expiration of one year from the date of appointment, and then only upon proper showing that such appointment was not made to avoid payment of the non-resident fee.
3. If a student is over 21 years of age, he may register as a resident student only upon a showing that he has been domiciled in Georgia for at least twelve months prior to the registration date.

Any period of time during which a person is enrolled as a student in any educational institution in Georgia may not be counted as a part of the twelve months' domicile and residence herein required when it appears that the student came into the State and remained in the State for the primary purpose of attending a school or college.

4. A full-time faculty member in an institution of the University System, his wife, and minor children may register for courses on the payment of residence fees, even though the faculty member has not been in residence in Georgia for a period of twelve months.
5. If the parents or legal guardian of a minor change residence to another state following a period of residence in Georgia, the minor may continue to take courses for a period of twelve consecutive months on the payment of resident fees. After the expiration of the twelve months' period the student may continue his registration only upon the payment of fees at the non-resident rate.
6. Military personnel stationed in Georgia, and their dependents, may become eligible to enroll in institutions of the University System as resident students provided they file with the institution in which they wish to enroll the following materials:

- a. A statement from the appropriate military official as to the applicant's "home of record";
  - b. Evidence that applicant, if over 21 years of age, is eligible to vote in Georgia;
  - c. Evidence that applicant, if under 21 years of age, is the child of parents who are eligible to vote in Georgia;
  - d. Evidence that applicant, or his parents filed an income tax return in Georgia during the preceding year;
  - e. Other evidence showing that a legal domicile has been established in Georgia.
7. All aliens shall be classified as non-resident students; provided, however, that an alien who is living in this country under a visa permitting permanent residence or who has filed with the proper federal immigration authorities a Declaration of Intention to become a citizen of the United States shall have the same privilege of qualifying for resident status for fee purposes as has a citizen of the United States.
  8. Teachers in the public schools of Georgia and their dependents may enroll as students in University System institutions on payment of resident fees, when it appears that such teachers have resided in Georgia for nine months, that they were engaged in teaching during this nine months' period, and that they have been employed to teach in Georgia during the ensuing school year.
  9. In the event that a woman who is a resident of Georgia and who is a student in an institution of the University System marries a non-resident of the State, the woman will continue to be eligible to attend the institution on payment of resident fees, provided that her enrollment is continuous.
  10. If a woman who is not a resident of Georgia marries a man who is a resident of Georgia, the woman will not be eligible to register as a resident student in a University System institution until she has been domiciled in the State of Georgia for a period of twelve months immediately preceding the date of registration.

### **Admission to the Associate of Arts Degree Program in Nursing**

Nursing calls for a variety of skills and aptitudes and offers unlimited opportunities for different kinds of service. Therefore, a

candidate for the nursing program should have good physical and mental health as well as those personal qualifications appropriate for nursing. For these reasons the Admissions Committee selects students whose abilities, interests, and personal qualities show promise of success in the program and in the field of nursing. Factors influencing the decision of the Admissions Committee are: achievement as shown on the secondary school record, ability as measured by the Scholastic Aptitude Test, motivation for nursing, health, personal qualities, and social adjustment. Applicants who, in the judgment of the Admissions Committee, present high overall qualifications are selected.

The preferred age for applicants, married or single, at the time of entrance is 18. The upper age limit is 40 years. Applicants who have not reached their 18th birthday but who can show evidence that they will reach their 20th birthday by the date they are scheduled to complete the program will be considered. The State of Georgia requires, as do most other states, United States citizenship, either natural born or naturalized, for registered nurse licensure. Candidates for admission to the nursing program who are not citizens may be admitted only under certain circumstances and should make individual inquiries.

### How to Apply

1. Complete the application form for admission to Armstrong State College and return it with the non-refundable \$10 application fee. Mark the application *For Nursing Only*.
2. Complete the Personal Data Sheet for the Department of Nursing.
3. Have the medical form completed by a licensed physician.
4. Have the dental form completed by a dentist.
5. Take the Scholastic Aptitude Test given by the College Entrance Examination Board, preferably in December or January. When applying for the test be certain to list Armstrong State College as one college to receive your scores.
6. Have a transcript of your high school record mailed from the high school directly to the Admissions Office at Armstrong. (A transfer student should also ask the Registrar of *each* school or college she (he) has previously attended to mail an official transcript of her (his) record to the Admissions Office at Armstrong, regardless of the transferability of the credits.

7. Send or have sent, two written letters of reference directly to the Admissions Office from non-family members (teachers, employers, or other qualified persons) who have known you for at least three years.
8. Send or have sent to the Admissions Office a certified copy of your birth certificate.

Since applications are processed as received, applicants are encouraged to apply as early as the senior year of high school. Application forms are available from the Admissions Officer at the College.

### Other Information

It is recommended that applicants who have been away from school for a considerable period of time enroll in at least one course in an accredited college of their choice during the school year or summer preceding their planned entrance to the nursing program.

Except in unusual circumstances, no credit will be given for nursing courses taken in another school of nursing.

An applicant on academic suspension or probation from another college will not be considered.

Nursing students are responsible for providing their own transportation to and from campus to the clinical area. (i.e. community hospitals and other health agencies).

Armstrong State College does not provide student housing. It is necessary for students whose homes are not located in Savannah to make private arrangements for living accommodations. The responsibility for procuring suitable housing rests with the student and her/his parents. (For the 1967-68 class, local hospitals are making available room and board scholarships to deserving unmarried women students in the nursing program. For further information, contact the Office of Student Personnel, Armstrong State College.)

Students are required to wear the official student uniform of the Department of Nursing. Uniforms will be ordered during the Winter Quarter and may be purchased at the College Bookstore.

Fees for a nursing student will be the same as for any other student at Armstrong. Please refer to the Fee Section of the current *Bulletin*.

Nursing students are admitted once each year in the fall. Seven or eight consecutive quarters of full-time study are required for completion of the program.

All nursing courses must be taken in sequence. Each nursing course has a prerequisite beginning with Fundamentals of Nursing.

Students accepted for the nursing program will be sent information on supplies and equipment needed for the Fall Quarter approximately two weeks before the opening of school with approximate charges.

Admission into Armstrong State College does not in any way guarantee formal admission into the Department of Nursing. This will be accomplished after one quarter in the nursing program in which a "C" average (2.0) must be attained.







## FEES

### Application Fee

The Application Fee of \$10.00 is paid by all students at the time of initial application for admission to Armstrong State College. The acceptance of the Application Fee does not constitute acceptance of student. This fee is not refundable.

### Matriculation Fee

The Matriculation Fee for students registering for the normal course load of fifteen hours is \$85.000. Students carrying less than 12 credit hours in a quarter will pay at the rate of \$7.00 per quarter hour in Matriculation Fee.

### Out of State Tuition

Non-residents of Georgia must pay a fee of \$110.00 per quarter in addition to all regular fees. Students carrying less than 12 credit hours in a quarter who are not legal residents of the State of Georgia will pay at the rate of \$9.00 per quarter hour Out-of-State Fee in addition to all regular fees.

### Student Activity Fee

There will be a Student Activity Fee of \$10.00 per quarter for students registering for a course load of ten or more quarter hours. Students carrying less than ten credit hours in a quarter will pay at the rate of \$1.00 per quarter hour. This fee is not refundable.

### Late Registration Fee

A late registration fee of \$4.00 will be charged to students registering on the date listed in the catalog as the date on which classes begin. A fee of \$5.00 will be charged for registrations completed on the date listed in the catalog as the "last day to register for credit."

### Change of Schedule Fee

A fee of \$2.00 is charged for the changing of a student's schedule after the registration cards have been processed. No charge is made if the change is initiated by the College. This fee is not refundable.

## **Graduation Fee**

A Graduation Fee for four-year programs of \$10.00 will be collected from each candidate to cover all expenses including the rental of cap and gown and the cost of the diploma. The fee for Certificate for Associate in Arts Degree is \$3.50.

## **Transcript Fee**

Each student is entitled to one official transcript of his college work. The charge for additional copies is \$1.00 each.

## **Music Fees**

Students enrolled in Applied Music Courses will be required to pay a special fee in addition to the regular registration and matriculation fees. The fees are indicated in the description of courses found under "Course Descriptions" elsewhere in this bulletin and are not refundable.

## **Make-up Test Fee**

For cause, a student may arrange with an instructor to make up an announced quiz or final examination. The arrangements to make up the announced test must be made within one week after the student returns to college.

A fee of \$2.00 is charged for the making up of any announced quiz and a fee of \$5.00 for a make-up final examination and laboratory examinations, except as shown below. The total charges to any one student for a final make-up examination in a given subject shall not exceed \$5.00. All fees will be paid to the Business Office.

The conditions under which fees for make-up quizzes and final examinations will not be charged are as follows: The student was absent (1) on official college business; (2) due to illness; (3) because of death in the family; or (4) in observing religious holidays.

The student's reasons for claiming exemption from paying the fee must be presented in writing to the instructor.

## **Short Courses**

Fees are announced for each course when the course is announced. No refund can be made for withdrawal from a course.

## Summary of Fees

Matriculation, per quarter	\$ 85.00
Student Activity, per quarter	10.00
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TOTAL FOR GEORGIA RESIDENTS	\$ 95.00
Out of State Tuition, per quarter	110.00
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TOTAL FOR NON-RESIDENTS	\$205.00
Matriculation, Part-time Students, per quarter hour	7.00
Student Activity Fee, Part-time Students, per quarter hour	1.00
Non-Resident Tuition, Part-time Students, per quarter hour (in addition to Matriculation Fee)	9.00

## Privilege Fees

Application Fee	\$ 10.00
Late Registration—Maximum	5.00
Special Examinations	2.00
Final Examinations	5.00
Graduation in four-year programs	10.00
Associate in Arts Certificate	3.50
Transcript, first one free, each additional	1.00
Change of Schedule	2.00

## Refunds

Refunds of fees will be made only upon written application for withdrawal from school. No refunds will be made to students dropping a course. Students who formally withdraw during one week following the scheduled registration date are entitled to a refund of 80% of the fees paid for that quarter. Students who formally withdraw during the period between one and two weeks after the scheduled registration date are entitled to a refund of 60% of the fees paid for that quarter. Students who formally withdraw between two and three weeks after the scheduled registration date are entitled to a refund of 40% of the fees paid for that quarter. Students who formally withdraw during the period between three and four weeks after the scheduled registration date are entitled to a refund of 20% of the fees paid for that quarter. Students who withdraw after a period of four weeks has elapsed from the scheduled registration date will be entitled to no refund of any part of the fees paid for that quarter.

*Fees and Charges are Subject to Change at the End of any Quarter*

Any student delinquent in the payment of any fee due the college will have grade reports and transcripts of records held up, and will

not be allowed to re-register at the college for a new quarter until the delinquency has been removed.

Fees for each quarter are to be paid in full at the time of registration.

If a check is not paid on presentation to the bank on which it is drawn, the student's registration will be cancelled and the student may re-register only on payment of a \$5.00 service charge.

# ACADEMIC REGULATIONS

## Honor System

The Honor System at Armstrong State College provides all members of the student body with an opportunity to participate in self government. The accompanying responsibilities are outlined below.

The Honor System, written by a joint committee of faculty and students, received an overwhelming endorsement by both faculty and students during the Winter Quarter, 1965.

The ordinances of the Honor System are as follows:

- I. All students must agree to abide by the rules and regulations of the Honor System. A student will not be accepted at Armstrong State College unless he signs the following statement at the time of his first registration:

"I have read the regulations governing the Honor System at Armstrong State College, and I understand that as a student at Armstrong, I must comply with all of these requirements." This statement and all rules and regulations governing the Honor System will be printed in the official Bulletin and the Student Handbook. The statement will also be printed on the application form for admission to be signed by the student before admission to the college.

It will be the responsibility of the Honor Council to conduct an extensive orientation program at the beginning of each quarter for all newly entering students to explain fully the requirements of the Honor System and to allow full discussion of these regulations.

- II. The following will be considered violations of the Honor Code:
  - A. Academic dishonesty of any kind (giving or receiving any unauthorized help on any assignment, test or paper. At the beginning of each quarter it shall be the responsibility of each teacher to make clear what shall be considered unauthorized help in his course).
  - B. Stealing only when related to cheating.
  - C. Lying before the Honor Council.
  - D. Failure to report a known offense. (Lying or stealing in any other cases will be considered disciplinary, not Honor, matters.)

- III. Ways of reporting a violation of the Honor Code:
- A. Self-reporting: A student who has broken the Honor Code should report himself to a member of the Honor Council.
  - B. Anyone (faculty member or student) who is aware of a violation of the Honor Code must report the matter. This may be done in one of two ways:
    1. He may tell the person thought to be guilty to report himself to a member of the Honor Council no later than the end of the next school day. After this designated time the person who is aware of the violation must inform a member of the Honor Council so that the Honor Council may contact the accused person if he has not already reported himself.
    2. He may report the suspected violation directly to a member of the Honor Council without informing the accused.
- IV. The Honor Council will be composed of nine students.
- A. Selection shall be made by the President, Vice-President and Secretary of the Student Body, the President and Secretary of the Honor Council, together with three faculty members appointed by the President of the college. Selection shall be based on the following requirements:
    1. High moral principles and unquestioned academic integrity in all their relations to fellow students, faculty, and administrative officials.
    2. A minimum of C+ for the preceding quarter and an over-all average of C+.

Any student not in good standing with the college in academic or disciplinary matters is ineligible to serve on the Honor Council.

Any member of the Honor Council who falls below these requirements will be ineligible to continue his term of service. A replacement will not be selected, however, unless the total number of students on the Honor Council falls below seven.
  - B. The selection committee shall submit a questionnaire to those students who meet these requirements. On the basis of the questionnaires the committee has the power to appoint three seniors, three juniors, and three sophomores to serve on the Honor Council. At least three committee



members shall be women and at least three shall be men. This distribution may be altered when deemed best by the selection committee. The appointments shall be made by the second Tuesday in March, and the Council shall assume its duties on April 1.

- C. The Honor Council shall elect one of its members to serve as President and one as Secretary. The President shall preside at all meetings and trials, and the Secretary shall maintain a written record of all proceedings.
  - D. During summer school, any member of the Honor Council who is attending summer classes will serve on the Council for the summer together with other students appointed by the Council and the Dean of Student Affairs.
- V. The Honor Council shall formulate its own bylaws and procedure.
- A. An Honor Council meeting shall be called by the President of the Council to examine a reported violation as soon as possible after such a report. When possible the meeting of the Council will be held within a week of the violation.
  - B. At the meeting the Honor Council will hear the accusation, the testimony of any witnesses, and any defense the accused may wish to present.
  - C. The accused will have the right to hear all witnesses and all evidence brought before the Honor Council.
  - D. Written notification of the specific charges which, if approved, shall be made grounds for suspension or dismissal from a class.
  - E. The accused will be considered innocent until proved guilty.
  - F. Every trial shall be conducted by a Council of at least six members, including the President. In the absence of the President, the senior justice shall preside.
  - G. The Secretary will keep minutes of all meetings. All official testimony will be tape recorded, provided that the recording devices are under the control of the Council.
  - H. A vote of two-thirds majority of the members of the Honor Council present and voting will be necessary for the conviction of the accused. The Council, in the event of a verdict of guilty, shall determine the penalty by majority vote.

I. The vote will be taken by secret ballot.

VI. Post-trial Procedure.

- A. Immediately upon conclusion of the trial, the accused shall be notified of the findings and of the recommendation that the Council will make to the President of the college.
- B. If the accused is found innocent, he shall be notified of the finding and cautioned that the trial may be re-opened for good cause by the Council within a period of three weeks or at the request of the professor in whose course the alleged violation occurred.
- C. If a person is found guilty, the Honor Council will recommend to the President of Armstrong State College one of the following:
  1. Expulsion from the class and denial of credit in the course in which the violation occurred and denial of the position of any elective office.
  2. Suspension from school for any number of quarters (the minimum suspension will be for the remainder of the quarter in which the violation occurs.)
  3. Expulsion from school.

In cases where the accused is found guilty, the Honor Council will report in writing their recommendations to the President of the College who will make the final decision. After the President of the College has decided on the action to be taken, he will inform, in writing, the accused, the professor of the class in which the violation occurred, and the accuser of his decision. The secretary of the Honor Council will then post an official notice on the bulletin boards announcing his action without mentioning the name of the accused.

VII. Although the College feels that the above three recommendations are appropriate for academic dishonesty, it also recognizes that unique circumstances may arise. For such cases a series of appeals is open to the convicted student. He may appeal either the conviction or the punishment or both in the following ways:

- A. To the President of Armstrong State College in a letter.
- B. The President's decision may be appealed to the Chancellor of the University System of Georgia in a letter.
- C. The Chancellor's decision may be appealed to the Board of Regents of the University System of Georgia in a letter.

- VIII. Each student will be required to write on every written assignment, test, or paper a pledge that he has neither given nor received any unauthorized help on this work. This may be done by writing the word "Pledged" followed by the student's signature.
- IX. The Honor System is dependent upon student cooperation and support. It is felt that every student wishes the credit for his work to be unquestioned and the college he has chosen to be respected.
- X. A revision of the Honor System will require a majority vote of the faculty and of the student body.

### Academic Advisement

Every student who enters Armstrong State College indicates at the time he applies for admission what major program he hopes to follow toward a degree, either at Armstrong or at another college.

If the student has not yet decided upon a choice for his major program, he may attend several advising sessions during the orientation period. In fact, it is not necessary in many major programs for the Bachelor of Arts degree to make a clear choice until the end of the sophomore year. If a student waits one or two years to choose a major program leading to a Bachelor of Science degree, he will probably find that he must take additional courses to meet graduation requirements. For a student attempting to choose a major field during his first two years, the Office of the Dean of Students Affairs offers counselling helps, and faculty members are happy to discuss aspects of their field.

During Orientation Week and before registration all new entering students, both freshmen and transfer students, will meet with the faculty adviser for the major program they have indicated. The adviser will guide them at this time in mapping out a schedule for the first two years. The student is then responsible for taking the courses required for his program, as outlined in the college Bulletin, in the proper sequence, during his freshman and sophomore years. If the student has questions concerning the courses required or the proper scheduling of them during these first two years, he should see the faculty adviser assigned by his major department to confer with students during the pre-advisement period scheduled in the college calendar. Since the student is responsible for fulfilling the requirements of his program, he does not need the written approval of a faculty adviser in order to register for courses each quarter.\*

\*However, a student must be extremely careful to observe all regulations for admission to courses, such as the requirement of other prerequisite courses, sometimes with a specified grade. Credit for a course is invalid unless all its prerequisite requirements are observed.

During the third quarter of his sophomore year, a student hoping to pursue a four-year major program should take to the faculty adviser assigned by his major department a list of the courses he has completed with grades. Having satisfactorily completed the requirements for the first two years of his major program, he will then be admitted formally to the third year of the major program and guided by the departmental adviser in mapping out his curriculum for the last two years. During the six quarters of his junior and senior years the student must have his course selection approved in writing by the departmental adviser each quarter before registration. The proper time for this is during the pre-advisement period listed in the college calendar. During these last two years, the adviser will keep a record of the courses the student takes and the grades he makes, and during the fall quarter of the senior year, the adviser will signify to the Registrar whether the student has completed all requirements for graduation in that major program up to that time, and is therefore recommended for graduation.

### Relating to Degree Requirements

1. Each student is responsible for fulfilling the requirements of the degree program which he has chosen, in accordance with the regulations of the college catalogue.
2. Exceptions to course requirements for a degree are permitted only by the written approval of the Dean of the College upon the recommendation of the department head.
3. A student will graduate under any catalogue in effect from his time of entrance to the college. However, after an absence from Armstrong State College of two or more consecutive years, a student must meet the requirements of a catalogue in effect after his return.
4. Not more than one-fourth of the work counted toward a degree may consist of courses taken by correspondence or extension. No correspondence courses may be used to meet the requirements in the major field or related fields for the Bachelor's degree or for English composition or foreign language. No correspondence courses may be taken while a student is enrolled.
5. Examination on the history and Constitution of the United States and of the State of Georgia is required of all persons receiving a degree from this college, except those having had courses dealing with these subjects. The Department of History will post a list of courses satisfying the requirement. It will offer an examination satisfying the requirement in the fall and spring quarters. (See the College Calendar.)

6. For a Bachelor's degree, a student must earn at Armstrong State College the last 45 quarter hours of credit before graduation in quarter hour credits numbered 200 or above. At least half the courses required in the major field must be taken at Armstrong State College.
7. Before a degree will be conferred upon a student by Armstrong State College, all fees must have been paid, and the Registrar must have been notified in writing at least by the end of the preceding fall quarter of his intention to graduate. A candidate for a degree, unless excused in writing by the President, Dean of the College, or Dean of Student Affairs, must attend the graduation exercises at which a degree is to be conferred upon him.

### Course and Study Load

The normal course load for full-time students is 15 quarter hours (and a course in physical education during the freshman and sophomore years). An average student should devote at least thirty hours each week, in addition, to course preparation.

The maximum course load for a student who works full-time is 11 quarter hours. A working student should plan about ten hours preparation for each 5 quarter hour course.

Permission to enroll for more than 17 quarter hours will be granted by the Registrar to a student

- a) with an average grade of "B" for the preceding quarter, or
- b) in an engineering program, or
- c) requiring an extra course in one of the two quarters prior to graduation.

No student will be allowed to register for more than 21 quarter hours in any one quarter.

Exceptions to these limitations may be made only by the Dean of the College.

Every student enrolled for 15 quarter hours or more must take at least one academic course (or a science laboratory section) in the afternoon. (If a student plans to work part-time, he should arrange his working hours after he registers for courses.)

### Reports and Grades

It is felt by the faculty that students in college should be held accountable for their scholarship. Accordingly, grade reports, warnings

of deficient scholarship and all such notices are not sent to parents or guardians by the Registrar except on request. Instead the students themselves receive these reports and are expected to contact their advisers whenever their work is unsatisfactory. Report cards are issued at the end of each quarter. Reports of unsatisfactory grades are issued in the middle of each quarter. Each student has access to an adviser; in addition, the Registrar and all instructors are available to help any student seeking assistance.

Reports are based on the following system of grading:

Numerical Span		Honor Points
A+	95 - 100	4.5
A	90 - 94	4
B+	85 - 89	3.5
B	80 - 84	3
C+	75 - 79	2.5
C	70 - 74	2
D+	65 - 69	1.5
D	60 - 64	1
F	Below 60	0
I	Incomplete	
W	Withdraw with no grade	
WF	Withdraw failing	
NC	No credit	

A student who receives an "I" (incomplete grade) should consult his instructor at once and arrange to complete the requirements of the course. An "I" grade which has not been removed by the middle of the succeeding quarter automatically becomes an "F".

## Honors

*Dean's List:* Students enrolled for at least five quarter hours of course work who earn an honor point average of at least 3.5 will be placed on the Dean's List, which is published quarterly.

*Cum Laude:* Those students graduating with an honor point average of 3.2 through 3.5 will be graduated *cum laude*.

*Magna Cum Laude:* Those students graduating with an honor point average of 3.6 through 3.9 will be graduated *magna cum laude*.

*Summa Cum Laude:* Those students graduating with an honor point average of 4.0 through 4.5 will be graduated *summa cum laude*.

## Attendance

The control of student attendance at class meetings and the effect of a student's attendance on his grades in a course is left entirely to the discretion of the instructor.

A student is responsible for knowing everything that is announced, discussed, or lectured upon in class as well as for mastering all as-

signed reading; he is also responsible for turning in on time all assignments and tests, including recitation and unannounced quizzes. The best way to meet these responsibilities is to attend classes regularly. An instructor may drop a student from any class with a grade of "WF" if he thinks that excessive absence prevents that student from satisfactorily fulfilling his responsibilities. If such excessive absence is the result of prolonged illness, death in the family, college business, or religious holidays, the withdrawal grade will be either "W" or "WF" depending on the student's status at the time he was dropped. Each instructor will be responsible for informing his classes on their meeting what constitutes excessive absence in the particular class. Each student is responsible for knowing the attendance regulation in his class and for complying with it.

### Physical Education Program

All Students who are enrolled for ten quarter hours or more on the day schedule are required to complete six physical education courses, one in each quarter of the freshman and sophomore years (111, 112, 113 in the freshman year).

A student graduating with an Associate in Arts Degree in less than six quarters must take one course in each quarter of his freshman and sophomore years.

Students enrolled in the Associate in Arts Degree program in nursing are required to complete three physical education courses.

A student who has completed at least six months of military service is required to take only four courses of physical education, which he may choose from all scheduled offerings, during his freshman and sophomore years.

Physical education is not required of anyone beyond the age of 25, or of anyone enrolled primarily in evening classes.

The department requires all students to make up excused absences; unexcused absences lower the final grade.

### Academic Probation and Dismissal

A student failing to maintain the grade point average indicated for quarter hours attempted will be placed on academic probation:

Quarter Hours Attempted at Armstrong and Elsewhere	Required Cumulative GPA*
0-15	1.3
16-30	1.4
31-45	1.5

\*When a course is repeated, the grade last received replaces all previous grades in this course.

46-60	1.6
61-75	1.7
76-90	1.8
91-105	1.9
106-120	1.9
121-135 and over	2.0

A student on academic probation must (1) at the completion of the next 15 quarter hours, achieve the cumulative grade-point average required for quarter hours attempted, or (2) at the completion of the next 15 quarter hours, achieve at least a "C" average for these 15 quarter hours and for each successive 15 quarter hours attempted until he achieves the cumulative grade-point average required in the table above.

Failing to meet either of these requirements for academic probation, a student will be dismissed from the college for one quarter. A third such academic dismissal will be final.

A student re-entering the college after academic dismissal is placed on probation, and must meet the requirement listed above.

A student dismissed for academic reasons may appeal by letter to the President, who will refer the appeal to the Committee on Academic Standing. Such a letter of appeal should state the nature of any extenuating circumstances relating to the academic deficiency; the letter must be received by the President no later than 9 a.m. of registration day.

A student dismissed for academic reasons may appeal his dismissal to the President. Such an appeal must be made in writing, should state the nature of all extenuating circumstances relating to his academic deficiency, and must be received by the President within 48 hours after the letter of dismissal is mailed.

A third dismissal for failure to meet the academic standards of the college shall in all cases be final.

### Withdrawals

A formal withdrawal from College presented to the Registrar in writing, is a pre-requisite for honorable dismissal from, or re-entrance into this institution. Any student planning to withdraw should immediately make such an intention known to the Registrar in writing. This notice is required to receive any authorized refunds. A refund will be considered only from date of notice.



A student should formally withdraw from any class by securing the permission of the Dean of Student Affairs and of his instructor. This written approval should be filed in the Registrar's office.

If a student withdraws from a course not more than 7 academic days after the first day of classes, no record of this course will be entered on his transcript. A student who withdraws from a course eight academic days or more after the first day of classes will receive a grade of "W" or "WF" depending upon his status at the time of the withdrawal.

### Auditing

A regular student wishing to "audit" a course without receiving credit must obtain the written permission of the instructor before he registers for the course. (Policy for some courses forbids "auditing") An "auditor" cannot change to regular credit status after the first week of class. A student may not change from credit status to audit status after the first seven class meetings. A student who registers for a course as an "auditor" receives no credit, "N. C.", on his transcript. Regular schedules of fees apply to auditors.

# **STUDENT SERVICES and ACTIVITIES**

The Division of Student Affairs, administered by the Dean of Student Affairs, is responsible for all student services and activities. In addition to formal classroom instruction, the College recognizes the need for providing programs and services which contribute to a well-rounded college experience. Such programs are administered by the Division of Student Affairs through the following individuals: Registrar and Admissions Officer, Counselors, Director of Financial Aid, Director of Student Activities, Alumni Secretary, and the Campus Nurse.

## **Academic Advisement**

Before and during registration, members of the faculty are available to students for assistance in the selection of course work and in the scheduling of classes. Information concerning degree requirements and college regulations is provided and topics of general academic interest may be discussed.

By the end of the sophomore year, students are required to designate a major field and are assigned to a faculty adviser in that area. The faculty adviser then works closely with the student in planning a program leading to the successful completion of degree requirements.

## **Counseling Services**

The Faculty and Administration of Armstrong State College recognize that students are frequently confronted with difficult and important decisions. In some instances students need the competent assistance of professional persons who have been trained to deal with the specific problems of college students.

In light of these needs, qualified Testing and Guidance Counselors are located in the Office of Student Personnel to help students in (1) clarifying educational and vocational objectives, (2) developing effective study skills and habits, and (3) dealing with problems of social and emotional significance.

## **Orientation**

Orientation for freshmen is scheduled prior to registration for the fall quarter. The program is designed to assist students in making the transition from high school to college and to acquaint them

with school policies, traditions, and procedures. The Orientation Program includes an introduction to administrative officials and faculty; a presentation of the purposes and academic progress of Armstrong State College; indoctrination concerning the college's regulations and requirements; an introduction to student leaders and student activities; a survey of the facilities of the school; an opportunity for the student to plan a program with counselors; and social events. Attendance is required.

### Financial Aids

A college education for qualified students, regardless of their economic circumstances, is the guiding principal behind Armstrong State College's program of student financial aid. Through an expanding program of financial aid which offers scholarships, short-term loans, National Defense Student Loans, and student employment, Armstrong State College tries to make it possible for all qualified students with limited resources to attend college.

In selecting a financial-aid recipient, special consideration is given to the applicant's record of achievement and promise of success as well as his financial need. Gift scholarships usually specify high academic standards as an eligibility requirement; otherwise full-time students in good standing who progress normally toward their degree-goal are eligible for financial aid.

Armstrong State College uses the College Scholarship Service which evaluates the Parents' Confidential Statement. Freshmen may secure this form from the local high school counselor, from the Student Personnel Office of the College, or from the College Scholarship Service, P. O. Box 176, Princeton, New Jersey. Applications which do not include this financial data are incomplete and cannot be considered. Applications for scholarships must be filed before May 1. Final action cannot be taken until the applicants have been accepted for admission to the college; thus, early application is urged.

If a student on scholarship withdraws from school, he is obligated to reimburse the college for the scholarship within one quarter following the date of withdrawal.

### Scholarships

Alpha Phi Omega  
Alpha Tau Beta  
Armstrong State College Alumni Association  
Chatham County Teachers' Association  
Chatham Education Association Scholarship  
Garden City Lions Club  
Edward McGuire Gordon Memorial Scholarship

Robert W. Groves Scholarships  
Jenkins Scholarships  
Junior Chamber of Commerce Scholarship  
Liberty National Bank Scholarship  
Arthur Lucas Memorial Scholarship  
National Secretaries Scholarship  
Pilot Club of Savannah  
Plumrite  
Port City Lions Club  
Rebel Chapter, American Business Women's Club  
Savannah Gas Company  
Savannah Pharmaceutical Association  
Harry G. Strachan, III, Memorial Scholarship  
Strachan Shipping Company

#### Regents' Scholarships

Another source of scholarship aid for students who are residents of the State of Georgia is the Regents' Scholarship. These scholarships, varying from \$250 to \$1,000, are awarded to superior students who are in need of financial assistance to attend college. To be eligible for a Regents' Scholarship, a student must have grades or predicted grades that place him in the upper 25% of his class. Recipients of Regents' Scholarships are expected, upon completion of their program of study, to reside in the State of Georgia and work one year for each \$1,000 of scholarship aid received.

Further information on these scholarships and application forms may be obtained from the Student Personnel Office at the College. The deadline for applying for the Regents' Scholarships is April 30.

#### Federal Programs of Assistance

Educational Opportunity Grants are available to a limited number of students with exceptional financial need who require these grants in order to attend college. To be eligible, the student must also show academic or creative promise.

Grants will range from \$200 to \$800 a year and can be no more than one-half of the total assistance given the student. As an academic incentive to students, an additional award of \$200 may be given to those students who were in the upperhalf of their college class during the preceding academic year.

### **National Defense Student Loans**

High school graduates who have been accepted for enrollment or who are already enrolled at Armstrong State College and who need financial help for educational expenses, are eligible for student loans.

The loans bear interest at the rate of 3 per cent per year. Repayment of the principal may be extended over a ten-year period, except that the institution may require a repayment of no less than \$15 per month.

If a borrower becomes a full-time teacher in an elementary or secondary school or in an institution of higher education, as much as half of the loan may be forgiven at the rate of 10 per cent for each year of teaching service.

#### Financial Aid Application Procedure

A financial applicant should take the following steps:

1. File Armstrong State College Financial Aid Application Form with Director of Financial Aid, Student Personnel Office by May 14 for fall quarter.
2. Apply for admission to Armstrong State College through the regular Admissions Office.
3. Take the College Entrance Examination Boards in December or January and have SAT scores sent to Armstrong State College.
4. Have parents (or guardian) complete and submit the Parents' Confidential Statement to College Scholarship Service, Box 176, Princeton, New Jersey, requesting that the Need Analysis be sent to Armstrong State College.

When the Director of Financial Aid has received all items listed above, then and only then, will consideration be given to the student's request.

#### Other Sources of Financial Aid to Armstrong State College

Short-term and long-term loans are available at low interest rates through the Kiwanis and Rensing Loan Funds.

*Clinton Lodge No. 54, F. & A.M. Scholarship*—This scholarship is for graduates of the regular high schools of the Public School System of Chatham County. Grants will be awarded to students whose family income is \$7,500 or less; who stand in the top 30% of their class; who have a combined SAT score of 900, and who are of good character. Return to: Education Committee, Clinton Lodge No. 54, F. & A.M., P.O. Box 992, Savannah, Georgia, by June 1.

*Solomon's Lodge No. 1, F. & A.M. Scholarship*—Two scholarships for \$240 each to be awarded to a graduate of a tax-supported

high school. Apply to: Committee on Scholarship Awards, Solomon's Lodge No. 1, F. & A.M., P.O. Box 1711, Savannah, Georgia.

*Savannah Chapter, National Secretaries Association*—One scholarship covering tuition, fees and expenses, for a female student majoring in secretarial science. Apply to: high school counselor or typing teacher.

*William F. Cooper Education Fund*—Provides scholarships to female students in all fields except law, theology, and medicine (nursing and medical technology are acceptable). Apply to: Trust Department, Savannah Bank & Trust Company, between April 1 and May 31.

*State Teachers' Scholarships*—Provide scholarship funds for students who will enter the field of teaching in the State of Georgia. Apply to: Georgia State Teachers' Scholarship Program, State Department of Education, Room 247, State Office Building, Atlanta, Georgia 30303.

*The State Scholarship Commission*—Provides scholarships for students who cannot otherwise finance the cost of a program of study in dentistry, nursing, pharmacy, social work, paramedical fields and other educational and professional fields of study as defined and approved by the Commission.

*Ty Cobb Education Foundation Scholarship*—Provides scholarship aid for residents of the State of Georgia who have completed their freshman year in college. Apply to: Ty Cobb Educational Foundation Scholarships, Room 454, 244 Washington Street, S.W., Atlanta, Georgia 30303.

*Pickett & Hatcher Educational Fund*—Provides loans at reasonable interest rates to students in need of such aid to attend college. Apply to: Pickett & Hatcher Educational Fund, P.O., Box 1238, Columbus, Georgia.

*Savannah Pharmaceutical Association Scholarship*—One scholarship for \$200 for a freshman student majoring in pre-pharmacy to attend Armstrong College (or the University of Georgia). Apply to: Mr. Thomas C. Crumbley, Chairman, Scholarship Committee, Savannah Pharmaceutical Association, c/o Crumbley's Pharmacy, 1502 Waters Avenue, Savannah, Georgia.

*Chatham Artillery Scholarships*—A number of scholarships for \$250 each to members of the Chatham Artillery attending college full time. Apply to the Chatham Artillery.

*State Department of Vocational Rehabilitation*—Students who have had a physical or emotional handicap, and have been treated

successfully, and are considered acceptable for vocational rehabilitation, may receive financial assistance to attend college through the State Department of Vocational Rehabilitation. Apply to: 35 Abercorn Street, Savannah, Georgia.

### Student Assistantships

A limited amount of financial aid is available to students through the Work-Study Program and the College Student Assistantship Program. Through these programs a number of part-time, on campus, jobs are made available to students who need financial assistance. Interested individuals should contact the Student Personnel Office prior to the beginning of each quarter.

The Student Personnel Office also maintains a file of available part-time jobs in the community and is glad to assist students, whenever practicable, in locating outside work.

### **Placement Office**

The Placement Officer, located in the Office of Student Affairs, assists Armstrong State College graduates in securing business and professional positions. Any senior desiring assistance in securing employment should contact this office.

### **Conduct**

Every student who enrolls in a course at Armstrong State College commits himself, by the act of enrolling, to full compliance with the rules and regulations of the Honor System. This system was written by a joint student-faculty committee, at the request of the students, and was adopted by an overwhelming vote of the student body and of the faculty in 1965. It is a fundamental part of our academic community's way of life. The Honor System is given under "Academic Regulations" in this Bulletin and in the Student Handbook.

Compliance with the regulations and policies of the faculty of Armstrong State College and the Regents of the University System and Georgia is assumed. Gambling, hazing, and the use, possession or consumption of alcoholic beverage at college functions, whether on or off campus is prohibited. For more information regarding policies refer to the Student Handbook.

### **Student Activities and Organizations**

In addition to an outstanding academic program, Armstrong State College offers a complete schedule of extra-curricular student activities designed to contribute to the development of the student

and assist him in becoming an active and productive member of the community in which he lives.

Student organizations at Armstrong State College reflect the natural variety of interests found in a diversified student body. Individuals who seek a well-rounded education will avail themselves of the varied opportunities afforded through the college program of student activities.

#### Student Government

The Student Government Association is the official governing body of the students at Armstrong State College. It assists in formulating a program of student services and activities, and it strives to express the will of the majority of students and to provide experience in democratic living.

All students are automatically members of the Student Government Association and entitled to a vote in matters of concern to students. Qualified students may seek positions of leadership in the Student Government Association by running for office during the spring quarter.

#### Student Publications

The two official student publications on campus are the *Inkwell*, the college newspaper, and the *Geechee*, the college annual. Both publications are produced entirely by students under the supervision of qualified faculty members. Financed in part by the Student Activity Fund, these publications provide opportunities in creative writing, reporting, and design.

#### Athletics

Armstrong State College participates in inter-collegiate athletic competition in basketball, baseball, and golf. Additional athletic opportunities are provided through the Intramural Program in the areas of basketball, softball, swimming, and volleyball.

#### Clubs and Organizations

A variety of clubs and organizations representing varied interests and activities are available to students at Armstrong State College. These include academic interest clubs, dance and social organizations, hobby groups, religious groups, and others. The organized clubs on campus are listed below. In addition to these, many new groups are currently seeking recognition.



Cheerleaders  
 Debate Team  
 English Club  
 Future Secretaries  
 Geechee  
 Masquers  
 Young Democrats  
 Newman Club

Wesley Foundation  
 Baptist Student Union  
 Glee Club  
 Westminster Fellowship  
 Alpha Phi Omega  
 Tau Epsilon Phi  
 Pep Band  
 Young Republicans

### Cultural Opportunities

Armstrong State College provides a variety of cultural opportunities for its students. Lectures by eminent scholars in the various academic fields and musical concerts by outstanding artists are an integral part of the program in general education. Student dramatic productions under professional direction and the student choral society have created distinguished traditions for these groups. The college purchases a large block of tickets for students to all concerts of the Savannah Symphony Orchestra.

### Health

A physical exam is required of all entering full-time students at Armstrong State College. The college maintains a campus infirmary where a registered nurse is on duty from 9 a.m. until 3 p.m. Students who become ill or who are involved in accidents while on campus should not hesitate to avail themselves of this service.

The college also makes available, on a voluntary basis, a student health and accident insurance policy. The cost of the policy is \$12 for a full year. Information regarding the program may be secured in the Student Personnel Office.

### Alumni Office

The prime purpose of the Alumni Office is to keep former students informed about the college, and to help them keep in touch with each other. Any person, who at any time was matriculated as a regular student, is eligible for membership in the Alumni Association, and upon payment of his dues will receive the quarterly newsletter, "The Geechee Gazette," and may vote and hold office in the Association. The Alumni Office assists in arranging class reunions, board meetings, and other functions.

### Housing

At the present time no dormitories are provided at Armstrong State College. Out-of-town students who attend Armstrong experience little or no difficulty in locating suitable apartments and rooms near to or within driving distance of the campus. For assistance in this matter contact the Student Personnel Office.

# CURRICULA and COURSE OFFERINGS

All degrees awarded by Armstrong State College include these minimum requirements:

	Quarter Hours
English Composition	10
Literature of the Western World	10
History of Civilization	10
Mathematics	10
Science	10
Physical Education	6

## I. Bachelor of Arts and Bachelor of Science

For graduation with the degree of Bachelor of Arts with a major in English, history or music, or Bachelor of Science with a major in biology, chemistry or mathematics the following requirements must be completed in accordance with the regulations stated in this bulletin. Requirements for each major program are described in the appropriate departmental listing.

Requirements for the degrees of Bachelor of Arts and Bachelor of Science.

I. General Requirements in the Liberal Arts and Sciences (Core Curriculum)	Qtr. Hrs.
1. English 101, 102, 201, 202 .....	20
2. One Foreign Language 101, 102, 103 .....	15
3. Music, Art, or Philosophy 110 .....	5
4. History of Civilization 114, 115 .....	10
5. History of the United States .....	5
6. Two of the following courses: .....	10
Economics 201	
Political Science 113	
Psychology 201	
Sociology 201	
7. Mathematics: an approved sequence .....	10
8. One of the following sequences of two courses: .....	10
Botany 121, 122	
Chemistry 121, 122	

Chemistry 128, 129  
 Physics 211, 212  
 Physics 217, 218  
 Zoology 101, 102

85

- II. Courses in the Major Field <sup>(1)</sup> ..... 50-70  
 (No student will be allowed to take senior division courses in his major field unless he has a minimum of *C* in all prerequisite courses in that field.)
- III. Courses in Related Fields <sup>(2)</sup> ..... 15-30
- IV. Physical Education 111, 112, 113 and three 200 courses . . . 6
- V. Free Electives <sup>(3)</sup> ..... 15(or  
 more to complete a minimum of  
 185 quarter hours, exclusive of  
 physical education)

## II. Teacher Education

The standard credential for teaching in the public schools of Georgia is the Teacher's Professional Four-Year Certificate (T-4). To qualify for this certificate, one must have completed an approved program designed for a specific teaching field and be recommended by the college in which the program was completed. Armstrong State College offers the following approved teacher education programs: (see pages 59-67)

Elementary Education (Grades 1- 8)

Secondary Programs (Grades 7-12)

Business Education  
 English  
 Mathematics  
 Science (Biology)  
 Science (Chemistry)  
 Social Science (History)

<sup>1</sup>For its major program a department may not require more than 60 quarter hours at all levels in the major field, but it may recommend up to 70 quarter hours.

<sup>2</sup>For its major program a department will require from 15 to 30 quarter hours of specified courses or approved elective courses in related fields, and language courses reaching the degree of proficiency specified by the department. (If a course is counted as fulfilling the General Requirements, it will not also fulfill the requirement for "III Courses in Related Fields.") Total requirements for II and III may not exceed 85 quarter hours.

<sup>3</sup>For the B.A. and B.S. degrees a minimum of 185 quarter hours, exclusive of physical education, is required for graduation. For all degrees the completion of a minimum of 70 quarter hours in courses numbered 300 or above is a requirement, except in an approved program in music.

### Academic Advisement

A student who desires to become an elementary or secondary school teacher should apply during the first quarter of residence to the Department of Education for academic advisement. He should follow without deviation the approved program designed for his preparation and for meeting the requirements for the certificate to teach. Upon admission to teacher education, students will be assigned advisors as follows:

- (1) Elementary education majors are assigned an advisor in the Department of Education who will assist the student in planning the total program of studies.
- (2) Students pursuing secondary teaching programs will be assigned an advisor in the Department of Education to advise the student concerning the professional sequence courses and an advisor in the teaching field major to approve the courses of the teaching field. Assignment of the teaching field advisor will be made by the head of the academic department offering the major.

### Admission to Teacher Education

All students pursuing a degree program leading toward certification by the Georgia State Department of Education as a teacher must apply for admission to teacher education at Armstrong State College. This application will normally take place during the third quarter of the sophomore year or, for transfer students, in the first quarter of the junior year. Application forms may be secured from the office of the Head of the Department of Education. The following criteria are used in admitting applicants to teacher education:

- (1) Completion of at least 75 quarter hours of college credit with a "C" average and completion of Education 103 or 303 with a "C" or better.
- (2) Competence in oral and written expression.
- (3) Satisfactory physical and emotional health.
- (4) Indication of desirable attitude, character, and teaching potential.

### Student Teaching

Student Teaching, the culminating activity of the professional sequence, is provided in selected off-campus school centers. The full quarter of student teaching is arranged cooperatively by the college, the participating schools, and the supervising teachers. Application for

admission to student teaching must be made with the Department of Education during the winter quarter preceding the academic year in which the student teaching is to be done. The prerequisites for admission to student teaching are:

- (1) Admission to a teacher education program.
- (2) Completion of other required professional sequence courses with a grade of "C" or higher. Elementary major must make a grade of "C" or higher on all specialized content courses taken prior to student teaching.
- (3) "C" average at Armstrong State College on all courses attempted, and a "C" average on all courses acceptable toward the teaching field or concentration.
- (4) Satisfactory completion of related professional laboratory activities including the "September Experience".
- (5) Satisfactory participation in orientation to student teaching.

For elementary education majors orientation to student teaching is included in the elementary block (Ed. 435 and 436) which is scheduled the quarter prior to student teaching. For secondary majors, the orientation to student teaching is scheduled to meet an hour each week during the quarter prior to student teaching.

A student is admitted to student teaching at the time assignment is made, which is three months prior to reporting to the assigned school. While student preferences and other personal circumstances are considered, the Department of Education reserves the right to exercise its discretion in placing student teachers.

## Bachelor of Science in Elementary Education

### I. General Requirements: 91 Quarter Hours

1. Humanities: 30 quarter hours
 

English 101, 102, 201, 202, 228 .....	25
Music 200, Art 200 or Philosophy 110 .....	5
2. Social Sciences : 30 quarter hours
 

History 114, 115, 351, 352 .....	20
Political Science 113 .....	5
Geography 111 .....	5
Psychology 201 .....	5
3. Sciences: 25 quarter hours
 

Botany 121, 122 or Zoology 101, 102 .....	10
Chemistry 121, 122 or Physics 211, 212 .....	10
Mathematics 105 .....	5

4. Physical Education: 6 quarter hours	
Physical Education 111, 112, 113 .....	3
Three 200 courses .....	3
II. Electives: 25 quarter hours	
1. Approved electives to establish added proficiency in one area to be known as concentration chosen to correspond to the elementary curriculum: English, social sciences, sciences, mathematics and modern foreign languages .....	20
2. Approved elective in related field .....	5
III. Specialized Content Courses: 30 quarters hours	
English 331 .....	5
Art 320 .....	5
Music 320 .....	5
Physical Education 320 .....	5
Mathematics 452 .....	5
Education 425 .....	5
IV. Professional Sequence Courses: 40 quarter hours	
Psychology 301 .....	5
Education 103 or 303; 301, 435, 436, 446, 447, 448 .....	35
	.....
	Total .....
	191

## Bachelor of Business Administration

(Program for Secondary School Teachers of Business Education)

I. General Requirements in the Liberal Arts and Sciences Qtr. Hrs.	
1. English 101, 102, 201, 202 .....	20
2. Music 200, Art 200, or Philosophy 110 .....	5
3. History of Western Civilization 114, 115 .....	10
4. Principles of Economics (Ec. 201, 202) .....	10
5. American Government (Pol. Sc. 113) .....	5
6. Freshman Mathematics including 5 hrs. of Statistics	15
7. One of the following requirements of two courses:	10
Botany 121, 122	
Chemistry 121, 122	
Chemistry 128, 129	
Physics 211, 212	

Physics 217, 218  
 Zoology 101, 102

8. Select five of the following courses: ..... 25
- English 228
  - Sociology 201
  - Psychology 201
  - Psychology 305
  - Economics 326
  - History 351 or 352

- II. Courses in Business Education ..... 30-31
- 101 Beginning Typing ..... 2
  - 102 Beginning Typing Continued .... 2
  - 103 Intermediate Typing ..... 2
  - 201 Advanced Typing ..... 2
  - 111 Shorthand, Beginning ..... 3
  - 112 Shorthand, Beginning ..... 3
  - 113 Shorthand, Intermediate ..... 3
  - 211 Shorthand or Advanced  
 Commerce 202-203 ..... 3, 4
  - 213 Office Practices ..... 5
  - 315 Business Communications ..... 5

- III. Courses in Business Administration ..... 25
- B. A. 211, 212 ..... 10
  - Select three of the following courses ..... 15
  - 1. B. A. 307, Business Law I
  - 2. B. A. 340, Principles of Marketing
  - 3. B. A. 375, Personnel Administration
  - 4. B. A. 462, Human Relations in Industry
  - 5. Ec. 327, Money and Banking
  - 6. Ec. 331, Labor and Industrial Relations
  - 7. Ec. 335, Public Finance

- IV. Physical Education 111, 112, 113 and three 200 courses ..... 6

- V. Professional Sequence ..... 30
- Education 103 or 303 - Orientation to  
 Teaching ..... 5
  - Psychology 301 - Educational  
 Psychology ..... 5
  - Education 438 - Secondary School  
 Curriculum and Methods,  
 Business Education ..... 5

Education 446, 447, 448 - Student Teaching .....	15
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## Bachelor of Arts

(Program for Secondary School Teachers of English)

I. General Requirements in the Liberal Arts and Sciences	Qtr. Hrs.
1. English 101, 102, 201, 202 .....	20
2. One Foreign Language .....	20
3. Art 200 or Music 200 .....	5
4. History of Western Civilization 114, 115 .....	10
5. History of the United States 351 or 352 .....	5
6. Two of the following courses: .....	10
Economics 201	
Political Science 113	
Psychology 201	
Sociology 201	
7. Freshman Mathematics .....	10
8. One of the following requirements of two courses: ....	10
Botany 121, 122	
Chemistry 121, 122	
Chemistry 128, 129	
Physics 211, 212	
Physics 217, 218	
Zoology 101, 102	
II. Courses in Major Field	
Students must complete the requirements for a major in including English 325 and 410.	
III. Related Fields (Select five courses) .....	25
English 228	Philosophy
History 352 or 351	Foreign Language
History 354	(200 and above)
History 341	Fine Arts
History 348	(200 and above)
History 350	Education 425
English 341	



IV. Physical Education 111, 112, 113, three 200 courses	6
V. Professional Sequence	30
Education 103 or 303 - Orientation to Teaching	5
Psychology 301 - Educational Psychology	5
Education 439 - Secondary School Curriculum and Methods, English	5
Education 446, 447, 448 - Student Teaching	15
Total	191

## Bachelor of Science

(Program for Secondary School Teachers of Mathematics)

I. General Requirements in the Liberal Arts and Sciences	Qtr. Hrs.
1. English 101, 102, 201, 202	20
2. One Foreign Language	15
3. Art 200, Music 200 or Philosophy 110	5
4. History of Western Civilization 114, 115	10
5. History of the United States 351 or 352	5
6. Two of the following courses:	10
Economics 201	
Political Science 113	
Psychology 201	
Sociology 201	
7. Freshman Mathematics	10
8. One of the following requirements of two courses:	10
Botany 121, 122	
Chemistry 121, 122	
Chemistry 128, 129	
Physics 211, 212	
Physics 217, 218	
Zoology 101, 102	
II. Courses in Major Field	55
Students must complete the requirements for a major in Mathematics which includes:	

Mathematics 104, 201, 202, 203, & 311-12;  
321-322; and one of the sequence 301-302;  
401-402

III. Related Fields .....	15
IV. Physical Education 111, 112, 113 and three 200 courses ..	6
V. Professional Sequence .....	30
Education 103 or 303 - Orientation to Teaching ....	5
Psychology 301 - Educational Psychology .....	5
Education 437 - Secondary School Curriculum and Methods, General .....	5
Education 446, 447, 448 - Student Teaching .....	15
Total	191

## Bachelor of Science

(Program for Secondary Teachers of Science-Major in Biology)

I. General Requirements in the Liberal Arts and Sciences Qtr. Hrs.	
1. English 101, 102, 201, 202 .....	20
2. One Foreign Language .....	15
3. Art 200, Music 200 or Philosophy 110 .....	5
4. History of Western Civilization 114, 115.....	10
5. History of the United States 351 or 352 .....	5
6. Two of the following courses:	10
Economics 201	
Political Science 113	
Psychology 201	
Sociology 201	
7. Freshman Mathematics .....	10
8. The following courses:	15
Zoology 101, 102	
Botany 121	





II. Courses in Biology (Junior-Senior level) .....	40
Students must complete the requirements for a major in Biology including Biology 370, 380; Botany 380 or Zoology 390	
III. Courses in other Sciences .....	35
Chemistry 128, 129, 341, 342, 343	
Physics 211, 212	
IV. Physical Education 111, 112, 113 and three 200 courses	6
V. Professional Sequence .....	30
Education 103 or 303 - Orientation to Teaching.....	5
Psychology 301 - Education Psychology .....	5
Education 437 - Secondary School Curriculum and Methods, General .....	5
Education 446, 447, 448 - Student Teaching .....	15
Total	201

### Bachelor of Science

(Program for Secondary School Teachers of Science-Major in Chemistry)

I. General Requirements in the Liberal Arts and Sciences	Qtr. Hrs.
1. English 101, 102, 201, 202 .....	20
2. One Foreign Language .....	15
3. Art 200, Music 200 or Philosophy 110 .....	5
4. History of Western Civilization 114, 115 .....	10
5. History of the United States 351 or 352 .....	5
6. Two of the following courses: .....	10
Economics 201	
Political Science 113	
Psychology 201	
Sociology 201	
7. Freshman Mathematics and Math. 104 .....	15
8. Chemistry 128-129 .....	50

II. Courses in Chemistry .....	50
Chemistry 281, 282 .....	10
Chemistry 341, 342, 343 .....	15
Chemistry 491, 492, 493 .....	12
Chemistry 480 .....	5
Electives in Chemistry .....	8
III. Courses in Other Sciences .....	25
Physics .....	15
Zoology 101, 102 .....	10
IV. Physical Education 111, 112, 113 and three 200 courses	6
V. Professional Sequence .....	30
Education 103 or 303 - Orientation to Teaching ....	5
Psychology 301 - Educational Psychology .....	5
Education 437 - Secondary School Curriculum and Methods, General .....	5
Education 446, 447, 448 - Student Teaching .....	15
Total	201

## Bachelor of Arts

(Program for Secondary School Teachers of Social Science)

I. General Requirements in the Liberal Arts and Sciences	Qtr. Hrs.
1. English 101, 102, 201, 202 .....	20
2. One Foreign Language .....	15
3. Music 200, Art 200, or Philosophy 110 .....	5
4. History of Western Civilization 114, 115 .....	10
5. History of the United States 351 or 352 .....	5
6. Political Science 113, Sociology 201 .....	10
7. Freshman Mathematics .....	10
8. One of the following sequences of two courses: .....	10
Botany 121, 122	
Chemistry 128, 129	
Chemistry 121, 122	
Physics 211, 212	
Physics 217, 218	
Zoology 101, 102	

II. Courses in History .....	40
Students must complete the requirements for a major in History including History 351 or 352.	
III. Courses in other Social Sciences .....	30
1. Political Science (from 300, 301, 302, and 319) .....	10
2. Economics 201, 202 .....	10
3. Geography 111 or Anthropology 201 .....	5
4. Sociology 350 or Psychology 201 .....	5
IV. Physical Education 111, 112, 113 and three 200 courses .....	6
V. Professional Sequence .....	30
Education 103 or 303 - Orientation to Teaching .....	5
Psychology 301 - Educational Psychology .....	5
Education 440 - Secondary School Curriculum and Methods, Social Science .....	5
Education 446, 447, 448 - Student Teaching .....	15
Total .....	191

### III. Bachelor of Business Administration

For graduation with the degree of Bachelor of Business Administration with a major in *accounting, economics or management*, the following requirements must be completed in accordance with the regulations stated in this bulletin. For major concentrations, see requirements described under Department of Business Administration.

For graduation with the degree of Bachelor of Business Administration, the minimum requirements in the various fields of study will be:

I. Humanities	
A. English 101, 102, 201, 202 .....	20
B. Music, Art, or Philosophy 110 .....	5
	25
II. Social Sciences	
A. History of Civilization 114, 115 .....	10
B. Principles of Economics 201, 202 .....	10

C. Elective from History, Political Science 113, Psychology 201, Sociology 201 .....	5
	25
III. Mathematics and Natural Science	
A. Mathematics (must include Mathematics 111 - Statistics) .....	20
B. Laboratory Science (sequence) .....	10
	30
IV. Business Administration	
Introductory Accounting 211, 212 .....	10
TOTAL FRESHMAN AND SOPHOMORE (Other than Physical Education) .....	90
V. Approved electives from the Humanities, the Social Sciences, Natural Sciences or Mathematics. History 351 or 352 <i>must</i> be included and English 228 (Fundamentals of Speech) is recommended. At least 15 quarter hours must be in courses numbered 200 above.	30
VI. Business Core Requirements .....	35
(Economics majors - see note below)	
B. A. 200, Survey of Business	
B. A. 307, Business Law I	
B. A. 320, Business Finance	
Economics 327, Money and Banking	
and three selected from the following:	
B. A. 340, Principles of Marketing	
B.A. 360, Principles of Management	
Economics 331, Labor and Industrial Relations	
Economics 335, Public Finance	
Economics 405, Government and Business	
Note: Economics majors may select any approved combin- ation from the business core and the major concentration courses.	
VII. Major Concentration .....	30
(see Departmental requirements)	
VIII. Physical Education .....	6
	191
Total Requirements	



**Bachelor of Business Administration  
(Major in Business Education)**

See listing of requirements under TEACHER EDUCATION

ONE AND TWO YEAR PROGRAMS IN COMMERCE

**Commerce - Secretarial**

This program is designed to meet the needs of those students who wish to qualify for secretarial positions in business after two years of study. Students enroll in the Associate in Arts program (listed elsewhere in this bulletin), devoting the permitted 30 hours of elective credits to business and commerce subjects as necessary. The Associate in Arts degree is awarded upon completion of the program.

**Commerce - Stenographic**

A student who has only one year to spend in college may acquire some of the fundamental clerical skills needed for employment as a stenographer or clerk-typist. Whether or not a student will be placed in beginning theory classes of shorthand or typing will depend upon previous training in those subjects; a more advanced standing may be approved by the instructor. A certificate is awarded upon completion of the following program.

Commerce 101, 102, 103 .....	6
Commerce 111, 112, 113 .....	9
Commerce 213 .....	5
Business Administration 211 .....	5
Business Administration 315 .....	5
English 101, 102 .....	10
Physical Education 111, 112, 113 .....	3
*Elective .....	5
	—
Total Hours .....	48

\*Recommended electives include Mathematics 105, English 228.

**IV. Bachelor of Science in Medical Technology**

1. English 101-102, 201-202 .....	20
2. History of the U. S. ....	5
3. History 114-115 .....	10
4. Mathematics 101-102 .....	10

5. Foreign Languages (15 qtr. hrs. or 10 qtr. hrs. plus elective) .....	10-15
6. Psychology 201, Sociology 201 .....	10
7. Physics 211, 212 .....	10
8. Chemistry 128-129, 281-282, 341-342 .....	30
9. Zoology 101-102, 325-326 .....	20
10. Biology 351-352 .....	10
One course from the following:	
Entomology 301 .....	5
Zoology 357	
Zoology 372	
Zoology 390	
Physical Education .....	6
Elective .....	5

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After satisfactorily completing the required number of courses and hours listed above, the degree candidate must complete 12 months in Clinical Medical Technology at an approved hospital. With the completion of this work and satisfactorily passing the examination given by the Registry of Medical Technologists, the student will be awarded the degree of Bachelor of Science.

Armstrong State College cooperates with Memorial Hospital of Chatham County in giving a B. S. degree with a major in Medical Technology. This program has been approved by the Council on Medical Education of the American Medical Association and by the Board of Schools of Medical Technology of the American Society of Clinical Pathologists.

The Coordinator of this degree program is Dr. L. B. Davenport, Jr., Head of the Department of Biology.

## V. Associate in Arts in Nursing

For the two-year (seven or eight quarters) program of Associate in Arts in Nursing, the student must complete the curriculum of 58 quarter hours in academic courses and 68 quarter hours of professional clinical courses as listed under the Department of Nursing.

This program provides the student with the opportunity to obtain a general education and to study nursing at the college level. Graduates are eligible to take the State Examination for licensure to practice as registered nurses.

This program is approved by the Georgia State Board of Nursing Examiners.

## VI. Associate in Arts

For the two-year degree of Associate in Arts a student must complete the last 45 quarter hours of course work in this program at Armstrong State College. The program is designed to provide a substantial liberal education as a base for upper-division specialization.

	Qtr. Hrs.
1. English 101, 102, 201, 202 .....	20
2. History 114, 115 .....	10
3. One of the following sequences of two courses: .....	10
Botany 121, 122	
Chemistry 111, 112	
Chemistry 121, 122	
Physics 211, 212	
Physics 217, 218	
Zoology 103, 104	
4. Mathematics 101 <i>or</i> 105 .....	5
5. Two of the following courses: .....	10
Economics 201	
Political Science 113	
Psychology 201	
Sociology 201	
U.S. History 351 <i>or</i> 352	
6. One of the following courses: .....	5
Music	
Art	
Philosophy 110	
7. Physical Education 111, 112, 113 and three 200 courses .....	6
8. Electives* .....	30
	96

The Registrar will evaluate the transcripts of students who petition for graduation in terms of the requirements for each of the following varieties of degree:

1. Bachelor of Arts with a major in English

\*If a student plans to continue work in the future toward a Bachelor's degree, he should select courses that will meet the listed requirements of a Bachelor degree program.

2. Bachelor of Arts with a major in English and requirements for secondary certification
3. Bachelor of Arts with a major in History
4. Bachelor of Arts with a major in History and requirements for secondary certification
5. Bachelor of Arts with a major in Music
6. Bachelor of Arts with a major in Music and requirements for secondary certification
7. Bachelor of Science with a major in Biology
8. Bachelor of Science with a major in Biology and requirements for secondary certification
9. Bachelor of Science with a major in Chemistry
10. Bachelor of Science with a major in Chemistry and requirements for secondary certification
11. Bachelor of Science with a major in Mathematics
12. Bachelor of Science with a major in Mathematics and requirements for secondary certification
13. Bachelor of Science in Elementary Education
14. Bachelor of Business Administration with a major in Accounting
15. Bachelor of Business Administration with a major in Economics
16. Bachelor of Business Administration with a major in Management
17. Bachelor of Business Administration with a major in Business Education
18. Bachelor of Science in Medical Technology
19. Associate in Arts
20. Associate in Arts in Nursing

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Armstrong State College reserves the right to (1) withdraw any course for which less than ten students register, (2) limit the enrollment in any course or class section, (3) fix the time of meeting of all classes and sections, and (4) offer such additional courses as demand and faculty warrant.

No credit will be given in beginning courses in languages where the same or similar courses have been presented for admission from high school.

Where two or more courses are listed under one description no credit for graduation will be given until the sequence is completed, for example: Zoology 101-102.

After each course name, there are three numbers in parentheses. The first number listed is the number of hours of lecture; the second, the number of hours of laboratory; and the third, the number of quarter hours of credit the courses carries. For example: Botany 121—General Botany (3-4-5).

Courses numbered 100 to 199 are generally planned for the freshman level; courses numbered 200 to 299 for the sophomore level; courses numbered 300 to 399 for the junior level; courses numbered 400-499 for the senior level.

## **Anthropology**

(See listing under Department of Psychology and Sociology)

## **Art**

(See listing under Department of Fine Arts)

## **DEPARTMENT OF BIOLOGY**

Professor Leslie B. Davenport, Jr., *Head*; Associate Professors Crosby, Thorne and Waffle; Assistant Professor Ashbrook

### **Departmental Requirements for the Major in Biology**

The major in biology consists of Zoology 101-102, Botany 121, 122, and at least 40 quarter hours credit in biology courses (botany, zoology, etc.) numbered 300 or above. In addition, biology majors must complete the course sequence in organic chemistry (15 quarter hours). The course in General College Physics (15 quarter hours) is strongly recommended and should be considered essential for those who expect to continue the study of biology beyond the B.S. degree.

Every student acquiring a major in biology must include in his program the following courses: Biology 370; Biology 380; and Botany 380 or Zoology 390.

Beginning students who have successfully completed strong courses in biology in high school are advised to take the examination for advanced placement which are offered with the College Entrance Examinations. Arrangements to take these may be made through the office of the Dean of Student Affairs.

### Course Offerings

*Biology 210—Microbiology (3-4-5).* Summer. Prerequisites: 10 hours of biological science with laboratory and 5 hours of inorganic chemistry.

An introduction to the study of micro-organisms with primary emphasis on bacteria. The morphology, life history, and public health importance of representative bacteria, molds, viruses, protozoa, and helminths are considered. This course is intended primarily for nursing students.

*Biology 351—Introductory Microbiology, I. (3-4-5).* Fall. Prerequisites: 10 hours of biological science, 5 hours of physical science (with lab) and 5 hours of organic chemistry.

A survey of micro-organisms with special emphasis on bacteria and their relationship to man.

*Biology 325—Introductory Microbiology, II. (3-4-5).* Winter. Prerequisite: Biology 351.

A survey of the microscopic and macroscopic fungi common to the local geographic area.

*Biology 358—Histological Technique. (0-10-5).* Winter. Prerequisites: Botany 121-122 or Zoology 101-102.

Principles and methods of killing, fixing, embedding, sectioning, staining, and mounting plant and animal materials for study.

*Biology 370—Genetics (3-4-5).* Winter. Prerequisites: Botany 122 or Zoology 101-102.

An introduction to the principles of biological inheritance.

*Biology 380—General Ecology (3-4-5).* Spring. Prerequisites: Two upper division courses in biology (botany or zoology).

A survey of the principles of ecology and their application to the welfare of man, co-ordinated with a study of populations and communities in the field.

*Biology 400—Field Biology.* Ten quarter hours credit. Eight weeks, summer session. Lectures, laboratory and extensive field studies. Prerequisites: 25 quarter hours in the Biological Sciences with at least 5 hours in animal science and 5 hours in plant science. Geology recommended. At Armstrong State College five hours credit may apply toward the major in biology, the other five hours will apply as elective credit.

The study of representative terrestrial and aquatic flora and fauna and the interplay with their environments. Frequent one day field trips within a thirty-mile radius of the Field Station at Rock Eagle and one or more extended field trips of several days duration. For details, consult the Department Chairman.

*Biology 410—Cellular Physiology (3-4-5).* Spring. Prerequisites: Zoology 390 and one other senior division course in biology, plus 5 hours of organic chemistry.

A consideration of the relationships between sub-microscopic anatomy and cell chemistry, emphasizing permeability, metabolism, and growth.

*Biology 440—Cytology (2-6-5).* Fall. Prerequisite: Two senior division courses in biology.

The study of cells, their cytoplasm and nuclei, growth, differentiation, and reproduction.

*Biology 450—Evolution (3-0-3).* Winter. Prerequisite: major in biology (at least 15 qtr. hrs. credit in senior division courses).

Modern concepts in organic evolution.

*Botany 121—General Botany (3-4-5).* Offered each quarter.

A study of the structure of the roots, stems, and leaves, basic physiology and ecology of plants. Laboratory work on representative species.

*Botany 122—General Botany (3-4-5).* Offered each quarter. Prerequisite: Botany 121.

A study of reproduction, heredity, and evolution of seed plants, with studies of representative species of the other major plant groups.

*Botany 305—Identification of Flowering Plants (0-10-5).* Spring. Prerequisite: Botany 121.

Studies in the identification of plants with emphasis on local flora.

*Botany 323—Plant Anatomy (0-10-5).* Fall. Prerequisite: Botany 121-122.



The origin and development of the organs and tissue systems of vascular plants, and a comparative study of the structure of roots, stems, leaves, flowers and fruits.

*Botany 380—Plant Physiology* (3-4-5). Spring. Prerequisites: Botany 121 and 122.

A survey of physiological processes occurring in economic plants and the conditions which affect these processes. (Not offered 1967-68).

*Entomology 301—Introductory Entomology I* (3-4-5). Fall. Prerequisites: Zoology 101-102.

An introduction to the study of insects—their structure, identification, and biology. (Not offered 1967-68).

*Zoology 101-102—Introductory Zoology* (6-8-10). Both parts are offered each quarter.

A basic course in biological principles with emphasis upon animal life; the course includes consideration of cellular phenomena and a survey of the major animal phyla with discussions of their morphology, physiology, ecology, and organic evolution. The second quarter is a continuation of the first; no credit is allowed toward graduation until the sequence is completed.

*Zoology 108-109—Human Anatomy and Physiology* (6-8-10). Winter, Spring. Not open to pre-professional students in the biological sciences.

A basic course considering the gross anatomy, histology, and physiology of the organ systems. Laboratory work includes thorough dissection of a typical mammal as well as basic experiments in physiology. The second quarter is a continuation of the first; no credit is allowed toward graduation until the sequence is completed.

*Zoology 325—Invertebrate Zoology* (3-4-5). Fall. Prerequisite: Zoology 101-102.

A survey of the invertebrate animals, their biology, structure, and relation to other animals.

*Zoology 326—Vertebrate Zoology* (3-4-5). Prerequisite: Zoology 101-102.

A study of the structure, body functions, interrelations, and natural history of the vertebrate animals.

*Zoology 355—Embryology* (3-4-5). Fall. Prerequisites: Zoology 101-102 or equivalent in another biological science.

An elementary course in embryology in which the chick is used to illustrate the basic principles of developmental anatomy.

*Zoology 356—Comparative Anatomy of the Vertebrates* (3-6-6). Winter. Prerequisite: *Zoology 101-102*.

A study of the anatomy and evolution of the organ systems of the vertebrates.

*Zoology 357—Animal Histology* (3-4-5). Fall. Prerequisites: *Zoology 101-102*.

A study of the tissues and their organization into organs and organ systems in animals.

*Zoology 372—Parasitology* (3-4-5). Spring. Prerequisites: *Zoology 101-102* and *Zoology 325*.

A comparative study of the internal and external parasites of man and other animals.

*Zoology 390—General Animal Physiology* (3-4-5). Prerequisite: *Zoology 101-102* and *Organic Chemistry*.

An introduction to general physiological processes.

*Zoology 429—Endocrinology* (3-4-5). Winter. Prerequisites: *Zoology 390* and one other senior division course in biology.

Physiology of the endocrine glands, their control of metabolism and reproductive cycles. (Not offered 1967-68).

## Botany

(See listing under Department of Biology)

## DEPARTMENT OF BUSINESS ADMINISTRATION

Professor Orange Hall, *Head*; Professors Davis and Bhatia; Associate Professor Haas; Assistant Professors McCarthy and Vining.

Major Concentrations. (For Business Education, see listing under Teacher Education). No student will be allowed to take upper division courses unless he has a minimum grade of C in all prerequisite courses in his major field. An average of at least 2.0 in his major courses will be a requirement for graduation.

### 1. Accounting

- B.A. 301, 302 Intermediate Accounting I, II  
and four of the following:
- B.A. 329 Cost Accounting I
- B.A. 330 Cost Accounting II
- B.A. 436 Income Taxation I
- B.A. 437 Income Taxation II
- B.A. 440 Accounting Systems
- B.A. 450 Auditing Principles

### 2. Economics

- Econ 401 Price and Income Theory
- Econ 435 Seminar on Contemporary Economic Problems and four of the following:
- Econ 326 Economic History of the United States
- Econ 335 Public Finance
- Econ 345 Economic Development
- Econ 405 Government and Business
- Econ 410 International Trade
- Econ 420 Comparative Economic Systems
- Econ 425 Business Cycles and Forecasting
- Econ 431 Investments

### 3. Management

- B.A. 465 Business Policy  
and five of the following:
- B.A. 308 Business Law II
- B.A. 315 Business Communications
- B.A. 329 or B.A. 301 Cost or Intermediate Accounting I
- B.A. 375 Personnel Administration
- B.A. 425 Managerial Accounting
- B.A. 460 Production Planning and Control
- B.A. 462 Human Relations in Industry
- Econ 405 Government and Business  
Industrial Psychology

## Course Offerings

### Business Administration

*Business Administration 200—Survey of Business. (5-0-5).*

A first course in business for Business Administration majors or an elective for non-majors who wish to gain an understanding of the functioning of business enterprises in our capitalistic system. The course will provide a basic familiarity with: (a) the economic, social, and political environment in which business enterprises operate, and (b) the tools and managerial skills used in business decision-making in the various functional areas such as organization, management, financing, marketing, production and personnel. (Not open to upper-division business majors who have already taken 300-level work)

*Business Administration 211—Introductory Accounting I. (5-0-5).*

An introduction to the fundamental principles and procedures of accounting, including a study of the journal, the ledger, working papers, accounting statements, controlling accounts, special journals, partnerships and corporations.

*Business Administration 212—Introductory Accounting II. (5-0-5).* Prerequisite: Business Administration 211.

An application of accounting principles to certain problems such as departmental operations, manufacturing accounts, the analysis of financial statements, accounting aids to management, statement of application of funds.

*Business Administration 301—Intermediate Accounting I. (5-0-5).* Prerequisite: Business Administration 212.

Accounting theory and the solution of problems requiring an application of accounting theory.

*Business Administration 302—Intermediate Accounting II. (5-0-5).* Prerequisite: Business Administration 301.

A continuation of Business Administration 301 emphasizing the theories of valuation of fixed assets and liability accounts, the application of these theories and the interpretation of financial statements prepared on the basis of these theories.

*Business Administration 307—Business Law I. (5-0-5).*

Law governing the basic principles applicable to the following subjects: Contracts, offer and acceptance, consideration, rights of third parties and discharge; agency, liabilities of principal and agent; negotiable instruments, elements of negotiability, endorsement and transfer, liabilities of parties.

*Business Administration 308—Business Law II. (5-0-5).*

The law applicable to the following subjects: partnership formation, powers and liabilities of partners; corporation, formation, powers, rights of security holders; sales, vesting of title, warrants, remedies.

*Business Administration 315—Business Communications. (5-0-5).*

Principles of effective business communications, application of these principles to business and technical report writing, correspondence, and other information media.

*Business Administration 320—Business Finance. (5-0-5).* Prerequisite: Business Administration 212.

The internal and external sources of financing for business enterprises; acquisition and management of long-term and shorter-term funds; types of securities; equity and debt instruments; problems of financial management.

*Business Administration 329—Cost Accounting I. (5-0-5).* Prerequisite: Business Administration 212.

Methods of determining and distributing costs in manufacturing, including job order and process methods.

*Business Administration 330—Cost Accounting II. (5-0-5).* Prerequisite: Business Administration 329.

Standard cost procedures; budgeting; distribution costs and special cost problems.

*Business Administration 340—Principles of Marketing. (5-0-5).* Prerequisite: Business Administration 200 or Economics 202.

Principles and methods involved in the movement of goods and services from producers to consumers. Subject is approached from the functional, institutional, commodity, and integrated analytical viewpoints.

*Business Administration 360—Principles of Management. (5-0-5).* Prerequisite: Business Administration 200 or 212.

The basic principles of management applicable to all forms of business and to all levels of supervision; the functions of planning, organizing, directing, and controlling as components of the management process.

*Business Administration 375—Personnel Administration. (5-0-5).* Prerequisite: Business Administration 200 or Economics 201.

Personnel administration as a staff function. Employment standards, training, safety and health, employee services and industrial relations.

*Business Administration 425—Managerial Accounting.* (5-0-5). Prerequisite: Business Administration 212.

Emphasizes theory and practice of accounting from the standpoint of those who direct business operations and shape business policy.

*Business Administration 436—Income Taxation I.* (5-0-5). Prerequisite: Business Administration 212.

A study of federal income tax law and regulations; the income tax returns of individuals, partnerships, and corporations.

*Business Administration 437—Income Taxation II.* (5-0-5). Prerequisite: Business Administration 436 or consent of instructor.

A continuation of Business Administration 436 with emphasis on corporation and fiduciary returns, gift taxes and estate taxes.

*Business Administration 440—Accounting Systems.* (5-0-5). Prerequisite: Business Administration 302.

The design and installation of appropriate accounting systems in accordance with the needs of the business being serviced.

*Business Administration 450—Auditing Principles.* (5-0-5). Prerequisite: Business Administration 302.

The principles of audits and financial verifications, standards of field work, preparation of audit working papers, writing audit reports, and auditing ethics.

*Business Administration 460—Production Planning and Control.* (5-0-5). Prerequisite: Business Administration 200 or upper-division status and consent of instructor.

Appreciation of the principles of production management is developed through study of plant layout, inventory control, materials handling, production scheduling, quality control, and associated topics.

*Business Administration 462—Human Relations in Industry.* (5-0-5). Prerequisite: Business Administration 200 or upper division status and consent of instructor.

A study of the process of integrating people into the work situation so that they are motivated to work together harmoniously, productively, and with economic, psychological and social satisfactions.

*Business Administration 465—Business Policy.* (5-0-5). Prerequisite: Business Administration 360 or consent of instructor.

The formulation and application of business policy by top management. Emphasis is on decision-making.

## Commerce

*Commerce 101—Beginning Typing (0-5-2).* Fall, Winter and Spring.

This course consists of introductory instruction in the technical features and care of the machine, position, fingering, proper technique and mastery of the keyboard.

*Commerce 102—Beginning Typing Continued (0-5-2).* Fall, Winter and Spring.

This course is a continuation of speed development. In addition, instruction in typing letters and setting up simple tabulations is given.

*Commerce 103—Intermediate Typing (0-5-2).* Fall, Winter and Spring. Prerequisite: Commerce 101-102 or equivalent.

A typewriter course in which emphasis is placed on speed building and accuracy. Special typing problems such as business letters, minutes, notices, stencil cutting and carbon copies are stressed.

*Commerce 111—Beginning Shorthand (5-0-3).* Fall.

Complete theory of Gregg Shorthand simplified. Reading dictation and transcription from studied material. A dictation speed of 65 words a minute is attained.

*Commerce 112—Beginning Shorthand (Continued) (5-0-3).* Winter.

A continuation of beginning shorthand from foundation learned in fall quarter. Students entering directly into this course must have a knowledge of basic brief forms and the fundamentals of beginning Gregg shorthand.

*Commerce 113—Intermediate Shorthand (5-0-3).* Spring.

Dictation and transcription of new and studied material. Student is required to take dictation at the rate of 100 words a minute.

*Commerce 201—Advanced Typing (0-5-2).* Fall, Winter and Spring. Prerequisite: Commerce 103 or equivalent.

Advanced typing is a course in the acquisition of speed and accuracy including various legal forms and papers, manuscripts and business papers. Most of the student's works is done on a production timing basis.

*Commerce 202—A continuation of Commerce 201 (0-5-2).* Fall, Winter and Spring.

*Commerce 203—A continuation of Commerce 202 (0-5-2).* Fall, Winter and Spring. An average of 60 words a minute is attained.

*Commerce 211—Advanced Shorthand (5-0-3)*. Fall. Prerequisites: Commerce 111, 112, 113 or equivalent.

A course in which the principles of Gregg Shorthand are applied in developing skill and accuracy in writing shorthand and in transcribing. Dictating and typing of mailable letters are emphasized. A speed of 120 words a minute for five minutes is attained.

*Commerce 213—Office Practice (5-0-5)*. Spring. Prerequisite: Commerce 112 or equivalent or permission of instructor.

Typical business office situations are duplicated as nearly as possible, including the instruction of various business machines. Practical problems deal with typing, filing and office courtesy.

## Economics

*Economics 201—Principles of Economics I. (5-0-5)*.

A study of the principles underlying the economic institutions of the present time and their application to economic problems. Aggregative or macroeconomics is emphasized.

*Economics 202—Principles of Economics II. (5-0-5)*.

Microeconomics, with emphasis on the theory of prices and factor shares. If a student plans to take only one economics course, Economics 201 or Economics 326 would be more suitable than Economics 202.

*Economics 326—Economic History of the United States. (5-0-5)*.

The growth and development of economic institutions in the United States from the colonial period to the present, with emphasis on the period since 1860, and including developments in agriculture, industry, labor, transportation, and finance.

*Economics 327—Money and Banking. (5-0-5)*. Prerequisite: Economics 201.

Monetary theory, banking theory and practice, central bank controls, other financial institutions, credit flows, monetary policies to achieve desired economic effects.

*Economics 331—Labor and Industrial Relations. (5-0-5)*. Prerequisite: Economics 201.

The development and structure of the labor movement in the United States; the principles of wage determination; collective bargaining; and public policy toward labor unions.

*Economics 335—Public Finance. (5-0-5)*. Prerequisite: Economics 201.



The economic effects of governmental taxation, expenditures, and public debt management. The principal sources of revenue and types of expenditures at the federal, state and local levels. The proper scope of government and issues of fairness in taxation.

*Economics 345—Economic Development.* (5-0-5). Prerequisite: Economics 201.

The nature and causes of economic stagnation in developing nations of the world, urgent need for their economic development, theory of economic growth, ways of fostering development, and balanced growth and industrialization.

*Economics 401—Price and Income Theory.* (5-0-5). Prerequisite: Economics 202.

Economic analysis, especially the theories of production, price determination, factor shares, income distribution and determination.

*Economics 405—Government and Business.* (5-0-5). Prerequisite: upper-division status.

The effects of public policies upon business and industry, with emphasis on anti-trust, taxation, regulatory, and defense policies.

*Economics 410—International Trade.* (5-0-5). Prerequisite: Economics 202.

Export-import trade, emphasizing exchange techniques, balance of trade and payments accounts, and the theory of international specialization and exchange, the relationship of international transactions to national income.

*Economics 420—Comparative Economic Systems.* (5-0-5). Prerequisite: Economics 202.

Study of economic problems under different economic systems such as capitalism, socialism; and introduction to Marxian economic theory.

*Economics 425—Business Cycles and Forecasting.* (5-0-5). Prerequisite: Economics 327 or Economics 201 and consent of instructor.

A study of cycle and growth theories, causes of business fluctuations, means of prevention or control, policy proposals to maintain full employment and price stability. Problems of economic growth and forecasting.

*Economics 431—Investments.* (5-0-5).

The investment risks inherent in different investment media; selection of appropriate media in accordance with individual or institutional goals and risk-bearing capacity. Types of investments and securities.

*Economics 435—Seminar on Contemporary Economic Problems.* (5-0-5). Prerequisites: Economics 201 and 202.

General problems of production, employment and income, with special reference to the specific problems faced by the American economic system.

## DEPARTMENT OF CHEMISTRY & PHYSICS

Professor Fretwell G. Crider, *Head*; Associate Professors Harris, Robbins, and Stratton; Assistant Professor Hill

### Departmental Requirements for the Major in Chemistry

	<i>Quarter Hours</i>
I. Major Requirements	
A. Lower Division	
General Inorganic Chemistry (128, 129)	10
Analytic Chemistry (Qual. 281; Quant. 282)	10
B. Upper Division	
Organic Chemistry (341, 342, 343)	15
Physical Chemistry (491, 492, 493)	12
Electives (13 qtr. hrs.) from the following:	13
Advanced Inorganic (421) 4 qtr. hrs.	
Qualitative Organic Analysis (448) 4 qtr. hrs.	
Instrumental Analysis (480) 5 qtr. hrs.	
Special Problems in Chemistry (498, 499) 1-5 qtr. hrs.	
Chemistry 431, 432, 441	
II. Requirements in Related Fields	
A. Mathematics through Calculus	5
B. Physics	15

### Course Offerings

#### Chemistry

*Chemistry* 121, 122—*General Inorganic* (4-3-5). Prerequisite: Entrance Requirements.

This course is designed for the student who is pursuing a non-science college major. It includes a study of the fundamental laws and theories of chemistry emphasizing the descriptive chemistry of the elements and their relationships as shown in the Periodic Table. The course is a lecture and laboratory study with minimum reliance on mathematics.

*Chemistry* 128, 129—*General Inorganic* (3-4-5). Prerequisite: Mathematics 9.

A study of the fundamental principles and laws of chemistry with a quantitative approach to the subject. This course is designed for the science major expecting detailed work in the modern concept of the atom, chemical bonding and a thorough treatment of the

chemistry of particular elements, families and groups. The laboratory work includes an understanding of fundamental techniques as applied to beginning experiments and a study of properties and preparations.

*Chemistry 281—Qualitative Inorganic Analysis (3-6-5).* Prerequisite: Chemistry 129.

Theory and adequate laboratory practice in the analysis of common cations and anions.

*Chemistry 282—Quantitative Inorganic Analysis (2-9-5).* Prerequisite: Chemistry 281.

The fundamental theories and practice of gravimetric and volumetric analysis with an introduction to instrumental analysis.

*Chemistry 341, 342, 343—Organic Chemistry (3-6-5).* Prerequisite: Chemistry 129.

Three quarter course in the study of aliphatics, aromatic hydrocarbons and their derivatives. Includes the study of polyfunctional compounds, polynuclear hydrocarbons, carbohydrates, amino acids, heterocyclics and related compounds. The course will emphasize organic reactions in terms of modern electronic theory.

*Chemistry 350—Chemical Literature (3-0-3).* Prerequisite: Chemistry 342 or consent of Department Head.

A study of the use of the chemical library and the important journals, references and information sources. Course will include instruction in report writing. (Not offered in 1966-67)

*Chemistry 360—Biochemistry (5-0-5).* Prerequisite: Chemistry 343.

A study of the chemical nature of cellular constituents and their metabolisms.

*Chemistry 371—Industrial Chemistry (3-0-3).* Prerequisite: Consent of Department Head.

This course present a study of inorganic chemical industries. It deals with chemical processes and modern developments in these industries. A survey of operations and economics is given.

*Chemistry 372—Industrial Chemistry (3-0-3).* Prerequisite: Consent of Department Head.

This course covers the important organic chemical industries in the same manner as Chemistry 371.

*Chemistry 421—Advanced Inorganic Chemistry (3-3-4).* Prerequisite: Chemistry 282.

Selected topics in inorganic chemistry tending to increase students' understanding of mechanisms of chemical reactions. Emphasizes the periodicity of elements.

*Chemistry* 431, 432—Seminars (3-0-3). Prerequisites: Chemistry 493, Chemistry 343, or Chemistry 421.

Selected topics for group discussion.

*Chemistry* 441—*Advanced Organic Chemistry* (3-0-3). Prerequisite: Chemistry 343.

A further study of important organic reactions emphasizing theories of reaction mechanisms of organic chemistry.

*Chemistry* 448—*Organic Qualitative Analysis* (2-6-4). Prerequisite: Chemistry 343.

Systematic approach to the identification of organic compounds.

*Chemistry* 480—*Instrumental Analysis* (2-9-5). Prerequisites: Chemistry 282, 342.

Includes study of principles involved in the operation and the laboratory use of special instruments for analysis.

*Chemistry* 491, 492, 493—*Physical Chemistry* (3-3-4). Prerequisites: Chemistry 343, 282. Physics 213. Mathematics 104.

Fundamental principles of physical chemistry including the study of solids, liquids, gases, thermochemistry, thermodynamics and solutions. The course will also cover a study of chemical equilibria, chemical kinetics, electrochemistry, colloids, quantum mechanics and nuclear chemistry.

*Chemistry* 498, 499—*Special Problems* (Schedule and credit vary). Prerequisites: Chemistry 493 and consent of Department Head.

Problems to be assigned and work directed by a member of the Department. Supervised research including literature search, laboratory experimentation and presentation of results. Course credit will depend on problem.

*Chemistry* 105—*Chemistry for Nurses* (4-3-5).

Principles of inorganic, organic and physiological chemistry with special application to nursing practice.

## Physical Science

*Physical Science* 111 (5-0-5). No prerequisite.

A study of the scientific method and its use in man's solutions of problems in his physical environment. The student learns the

fundamentals of physics and acquires familiarity with the basic formulas and principles. He learns the similarity of the application of principles involving small particles to larger or planetary particles. If student has completed a course in college physics, no credit will be given for this course.

*Physical Science* 113 (5-0-5). No prerequisite.

A survey of elementary geology and astronomy. This course covers what might be termed a "Biology of the Earth", concerning itself with earth materials, weather and climate, rocks and minerals, erosion and sedimentation, vulcanism and diastrophism, the law of uniform changes and earth history as interpreted from the rock record. The astronomy phase and the study of the stars and galaxies starts with the planetary system of our own sun. The study proceeds to the other stars and stellar systems, including, of course, the nebulae. Finally, the course covers general relativity and cosmology, entering the frontiers of Physical Science to conjecture on the "science of tomorrow".

## Physics

*Physics* 211—*General Physics—Mechanics* (4-2-5). Fall. Prerequisite: Mathematics 101 and 102 or consent of the instructor.

Lectures, demonstrations, recitations, and laboratory work covering the fields of mechanics, sound and heat. Force and motion, work and power, energy, torque, the properties of gases and an introduction to Thermodynamics are included.

*Physics* 212—*Electricity, Magnetism and Basic Light Through Geometric Optics*. (4-2-5). Winter. Prerequisite: Mathematics 101 and 102, or consent of the instructor.

Physics 212 comprises a course in electricity, magnetism, and geometric optics. It includes the study of static electricity, current electricity, magnetism, magnetic fields, electromagnetic induction, capacitance, inductance and alternating current. The nature and propagation of light, reflection and refraction, mirrors and lenses, optical instruments are covered in the latter part of the course.

*Physics* 213—*Light Phenomena and Modern Physics*. (4-2-5). Spring. Prerequisite: Mathematics 101 and 102 and Physics 212 or consent of the instructor.

Physics 213 continues the study of the phenomena of light, including interference, diffraction, and polarization; and then proceeds into modern physics via the quantum theory of radiation, atomic structure, and the theory of relativity.

*Physics 217—Mechanics, Sound and Heat* (5-3-6). Fall and Summer. Prerequisite: Mathematics 104 or 201. (This course may be taken concurrently.)

Physics 217, 218, and 219 together constitute a thorough course in basic physics for engineering students. This course includes classical physics, and an introduction to modern physics (to which more than one quarter of the three courses is devoted) including the quantum theory of radiation, atomic structure, relativity, X-Ray, wave versus corpuscular propagation, natural radioactivity, nuclear reactions, and artificial radioactivity, nuclear energy and cosmic rays, and the fundamental particles.

The five classroom hours each week include some lectures and films, but the solution of a large number of problems is required including application of the elements of the calculus.

The laboratory work is designed to give practice in the art of making precise measurements, proficiency in the manipulation of apparatus and added familiarity with some of the concepts of physics. The theory of errors is stressed enough to give students the ability to decide under what conditions the greater expense of more precise measurements is justified.

Physics 217 is an intensive course in mechanics, sound and heat. It includes the study of statics, kinetics, friction, work, power, energy, momentum, machines, elasticity, fluid mechanics, harmonic motion, wave motion and vibrating bodies, temperature-expansion, heat transfer, work and heat, and the laws of thermodynamics.

*Physics 218—Electricity, Magnetism and Basic Light Through Geometric Optics* (5-3-6). Winter. Prerequisite: Mathematics 104 or 201.

Physics 218 is an intensive course in electricity, magnetism, and geometric optics. It includes the study of the ideal gas and the atomic view of matter, static electricity, current electricity, magnetism, magnetic fields, electromagnetic induction, capacitance, inductance, alternating currents, electrical instruments, electromagnetic waves, nature and propagation of light, reflection and refraction, mirrors and lenses, optical instruments.

*Physics 219—Light Phenomena and Modern Phenomena and Modern Physics* (5-3-6). Spring. Prerequisite: Mathematics 104 or 201, and Physics 218.

Physics 219 continues the study of the phenomena of light, including interference, diffraction, and polarization; and then proceeds into modern physics via the quantum theory of radiation, atomic structure, and the theories of relativity (see Physics 217, above).

During this quarter laboratory work is on a "senior course" level and is designed to encourage independent thought and to deviate definitely from the somewhat stereotyped work of the preceding quarters.

### Chinese

(See listing under Department of Language and Literature)

### Commerce

(See listing under Department of Business Administration)

### Economics

(See listing under Department of Business Administration)

## DEPARTMENT OF EDUCATION

Professor William W. Stokes, *Head*; Assistant Professor Coleman

The purpose of the Department of Education is to co-ordinate the college-wide programs of teacher education and to offer professional courses for the pre-service and in-service preparation of teachers. For specific requirements of the teacher education programs offered by the college, see pages 57-67.

### Course Offerings

*Education 103—Orientation to Teaching.* (5-0-5).

The study of the status of education and of teaching as a profession. The student engages in directed self-study and plans for the achievement of his professional goals.

*Education 303—Orientation to Teaching.* (5-0-5).

For transfer and other students who have not had Education 103, or the equivalent in preparation for formal admission to the teacher education program.

*Education 301—Child Development and the Educative Process.* (2-6-5).

A study of the developmental learning characteristics of pupils in relation to ways in which the school environment may elicit further development. Students attend seminars on campus and serve as teacher aids in selected elementary schools. Application for this course must be made with the Co-ordinator of Elementary Education the quarter preceding registration for the course. Prerequisite: Admission to Teacher Education.

*Education 425—The Teaching of Reading. (5-0-5).*

The teaching of reading including methods, techniques, and materials. Prerequisite: Admission to Teacher Education.

*Education 435—Elementary School Curriculum. (5-0-5).*

The study of existing instructional programs and experiences in curriculum design. Directed observation. Prerequisite: Edu. 301 and Psy. 301, or permission of the instructor. Corequisite: Edu. 436.

*Education 436—Elementary School Methods. (5-0-5).*

The study and evaluation of teaching methods, materials, and equipment in the various teaching fields. Actual unit development in preparation for student teaching. Prerequisite: Edu. 301 and Psy. 301, or permission of the instructor. Corequisite: Edu. 435.

*Education 437-440—Secondary School Curriculum and Methods. (5-0-5).*

The study of secondary school curriculum with emphasis upon materials and methods of teaching. Directed observation. Registration is by section as indicated below: Prerequisite: Admission to Teacher Education and Psy. 301.

*Education 437—Secondary School Curriculum and Methods, General.*

*Education 438—Secondary School Curriculum and Methods, Business Education.*

*Education 439—Secondary School Curriculum and Methods, English.*

*Education 440—Secondary School Curriculum and Methods, Social Science.*

*Education 446, 447, 448—Student Teaching. (15 quarter hours).*

Students are placed in selected schools for one quarter as full-time student staff members. Classroom teaching experiences and other staff responsibilities are jointly supervised by the college staff and supervising teachers in the selected schools. Prerequisite: See page 58.

### **Education Courses Offered in Other Departments**

*Art 320—Art for the Elementary Teacher. (4-2-5).*

A study of materials and methods for teaching art at the elementary school level. Prerequisite: Admission to Teacher Education.



*English 331—Children's Literature. (5-0-5).*

The literary genres usually emphasized in elementary and secondary schools will be studied. The primary purpose of this course will be to consider how literature may both stimulate the child and cater to his interests as well. Secondary purposes will be the consideration of critical techniques, methodology, and overall usefulness of materials studied. Prerequisite: Admission to Teacher Education.

*Mathematics 452—Basic Ideas of Arithmetic. (5-0-5).*

This course is designed to give elementary teachers a clear understanding of the fundamental ideas of arithmetic and to acquaint them with the material currently being used in the elementary schools. Prerequisite: Mathematics 105, and Admission to Teacher Education.

*Music 320—Music for the Elementary Teacher. (5-0-5).*

An introduction to music skills and materials for the elementary classroom teacher. Prerequisite: Admission to Teacher Education.

*Physical Education 320—Health and Physical Education for the Elementary Teacher. (5-0-5).*

An introduction to the teaching of health and physical education for the elementary teacher. Prerequisite: Admission to Teacher Education.

*Psychology 301—Educational Psychology. (5-0-5).*

The application of behavioral science to the problems of learning in the classroom. Prerequisite: Psychology 201 and Admission to Teacher Education.

## Engineering

(See listing under Department of Mathematics)

## English

(See listing under Department of Language and Literature)

## DEPARTMENT OF FINE ARTS

Professor Harry Persse, *Head*; Assistant Professor McKinnell

### Departmental Requirements for the Major in Music

The Bachelor of Arts Degree with a Major in Music

In addition to satisfying the requirements of the core curriculum for the Bachelor of Arts Degree, those majoring in music will complete the following program:

Lower Division Courses:	Music Theory: Music 110, 111, 112 .....	9
	210, 211, 212 .....	9
	Sight-Singing: Music 101, 102, 103 .....	3
	201, 202, 203 .....	3
	Applied Music: Music 100 level .....	6
	200 level .....	6
	Total .....	36
Upper Division Courses:	Music History: Music 310, 311 .....	10
	Music Theory: Music 312, 410 .....	8
	Applied Music: 300 and/or 400 level .....	6
	Total .....	24

In addition to the above, the major program must include twenty-five quarter hours of approved electives in the fields of Art History, Literature, and Philosophy.

Additional courses in music may be elected, but no more than seventy hours in the major field may be applied towards the degree.

## Course Offerings

### Art

*Art 101—Basic Design and Drawing (3-4-5).*

An introduction to the principles of design and the means and materials of drawing.

*Art 102—Basic Design and Drawing (3-4-5).*

A continuation of Art 101.

*Art 103—Basic Design and Drawing (3-4-5).*

A continuation of Art 102.

*Art 200—Art Appreciation (5-0-5).*

The study of theories of art and their application in master-works of art from all ages, directed towards increasing the understanding and enjoyment of art for the non-art major.

*Art 201—Drawing and Painting (0-6-3).*

Drawing and painting from various figures, animals, and objects, employing various materials and media.

*Art 202—Drawing and Painting (0-6-3).*

A continuation of Art 201.

*Art 203—Drawing and Painting (0-6-3).*

A continuation of Art 202.

*Art 290—History of Art (5-0-5).*

A survey of world art from ancient times through the Baroque.

*Art 291—History of Art (5-0-5).*

A survey of world art from the end of the seventeenth century to the present.

*Art 320—Art for the Elementary Teacher (4-2-5).*

A study of materials and methods for teaching art at the elementary school level.

*Art 301—Ceramics (3-4-5).*

An introductory course in the fundamentals of pottery, clay, modeling, glazing and firing methods.

*Art 302—Ceramics (3-4-5).*

A continuation of Art 301 with emphasis on the potter's wheel, and the study of glaze materials.

*Art 303—Ceramics (3-4-5).*

A continuation of Art 302 with emphasis on the potter's wheel and an introduction to elementary ceramic technology.

## Course Offerings

### Music

#### Theoretical Courses

*Music 110—Music Theory (3-0-3).* Fall.

An introduction to the basic theoretical principles of music.

*Music 111—Musics Theory (3-0-3).* Winter.

A continuation of Music 110 with emphasis on part-writing of triads and their inversions.

*Music 112—Music Theory (3-0-3).* Spring.

A continuation of Music 111 through inversions of the dominant seventh chord and secondary seventh chords.

*Music 101—Sight Singing (2-0-1).* Fall.

A study of sight singing techniques applied to diatonic materials.

*Music 102—Sight Singing (2-0-1).* Winter.

A continuation of Music 101.

*Music 103—Sight Singing (2-0-1)*. Spring.  
A continuation of Music 102.

*Music 210—Music Theory (3-0-3)*. Fall.

A continuation of the study of basic materials with emphasis on secondary seventh chords and simple modulation.

*Music 211—Music Theory (3-0-3)*. Winter.

A continuation of Music 210 introducing altered chords and modulation to remote keys.

*Music 212—Music Theory (3-0-3)*. Spring.

A continuation of Music 211 emphasizing chromatic materials.

*Music 201—Sight Singing (2-0-1)*. Fall.

A study of sight singing techniques applied to chromatic materials.

*Music 202—Sight Singing (2-0-1)*. Winter.

A continuation of Music 201.

*Music 203—Sight Singing (2-0-1)*. Spring.

A continuation of Music 202.

*Music 312—Form and Analysis (3-0-3)*.

The study of the formal principles of music as exemplified in musical works of various style periods.

*Music 411—Counterpoint (5-0-5)*. (Not offered 1967-68).

A study of the contrapuntal techniques of Renaissance and Baroque music.

*Music 412—20th Century Materials (3-0-3)*. (Not offered 1967-68).

A study of the materials and techniques of 20th Century music.

*Music 450—Orchestration (3-0-3)*. (Not offered 1967-68).

An introduction to the techniques of scoring for instrumental ensembles and the orchestra.

*Music 350—Conducting (3-0-3)*.

An introduction to the problems and techniques of conducting.

*Music 320—Music for the Elementary Teacher (5-0-5)*.

An introduction to music skills and materials for the elementary classroom teacher.

## History and Literature Courses

*Music 200—Music Appreciation (5-0-5).*

A course designed to help the student understand and enjoy fine music by analysis of form, style and mediums of musical expression from the great periods of musical art. Lectures, discussions and recorded sessions comprise the course.

*Music 310—Music History (5-0-5).*

The history of music in Western civilization from its origins through the Baroque period.

*Music 311—Music History (5-0-5).*

The history of music in Western civilization from the Baroque period to the present.

*Music 312—Opera Literature (3-0-3).* (Not offered 1967-68).

A study of operatic masterpieces from the origin of the form to the present.

*Music 321—Music of the Renaissance (3-0-3).* (Not offered 1967-68).

The development of music from 1450 to 1600.

*Music 322—Music of the Baroque (3-0-3).* (Not offered 1967-68).

The development of music from 1600 to 1750.

## Applied Music Courses

Applied music courses consist of one or two twenty-five minute private lessons per week. A special fee of \$24.00 for one lesson per week or \$48.00 for two lessons per week per quarter is applicable.

No Music major will be permitted to register for applied music courses for credit until he has reached an adequate level of proficiency in his instrument. The standard of such proficiency will be set by the Fine Art Department, and the level of achievement in the individual case will be determined by examination.

*Music 130, 131, 132; 230, 231, 232; 330, 331, 332; 430, 431, 432—Applied Music.* One hour credit per quarter. One twenty-five minute private lesson per week.

*Music 140, 141, 142; 240, 241, 242; 340, 341, 342; 440, 441, 442—Applied Music.* Two hours credit per quarter. Two twenty-five minute private lessons per week.

### **French**

(See listing under Department of Language and Literature)

### **Geography**

(See listing under Department of History and Political Science)

### **German**

(See listing under Department of Language and Literature)

## **DEPARTMENT OF HISTORY & POLITICAL SCIENCE**

Professor Roy Carroll, *Head*; Professors Beecher and Wu; Associate Professors Coyle, Haunton, Lanier; Assistant Professors Comaskey, Duncan, McCarthy, Patterson, Ro.

### **Departmental Requirements for the Major in History**

Students planning to major in history are urgently advised to take such courses as will satisfy the basic college requirements for the Bachelor of Arts degree during the Freshman and Sophomore years. Those planning to continue their study of history in graduate school are advised to select French or German as their language. The minimum requirement in addition to History 114 and 115 for a major in history is forty quarter hours from history courses numbered 300 or above. In selecting courses for a major, the student may elect to emphasize the history of the United States, or the history of Europe, but he may not present a major exclusively in either of these areas.

Required courses: History 114, 115, and 300, but History 114 and 115 may not be counted in the forty quarter hours required for the major. It is the policy of the department to advise all history majors to register for History 300 in the first quarter of their Junior year or in the first quarter after they elect to major in history.

The major program must also include proficiency in a foreign language equivalent to courses 101 through 104, and 25 quarter hours of courses, approved by the department, from these related fields: History of Art and Music, Economics, Literature, Philosophy, Political Science, and Sociology.

## Course Offerings

### History

*History 114—History of Western Civilization. (5-0-5).*

A chronological survey of the main currents of political, social, religious, and intellectual activity in western civilization from the time of the ancient Mediterranean civilization to 1715.

*History 115—History of Western Civilization. (5-0-5).*

A continuation of History 114 down to the present.

*History 300—Problems in Historiography. (5-0-5).*

A study of the nature and meaning of history, some of the problems involved in the writing and study of history, and selected interpretations.

*History 320—The Civilization of China and the Far East, Part I. (5-0-5).*

The history of East Asian civilization from ancient times through the eighteenth century, with special emphasis on characteristic political, economic, and social developments.

*History 321—The Civilization of China and the Far East, Part II. (5-0-5).*

The history of East Asian nations from the nineteenth century to the present, with emphasis on political, social, economic, and intellectual developments.

*History 322—History of Japan. (5-0-5).*

A survey of the history of Japan, with major emphasis placed upon the development of Japan since 1600.

*History 323—History of India and South Asia. (5-0-5).*

A survey of the civilization of South and South-east Asia, with principal attention given to India since 1600.

*History 329—History of Russia to 1917. (5-0-5).*

A survey of Russian history during the Kievan, Tatar, Muscovite, and Imperial eras.

*History 330—Twentieth Century Russia. (5-0-5).*

An examination of the forces leading to the downfall of Tsarist Russia, the Bolshevik Revolution, and the political, economic, and social history of the Soviet era.

*History 341—History of England, 1450-1690. (5-0-5).*

Emphasis is given to the constitutional, religious, and economic developments, but social and intellectual phases are treated.

*History 343—Medieval Europe, 395-1350. (5-0-5).*

A study of Europe from the fourth to the fourteenth century, with particular attention to social, economic, and religious developments.

*History 345—The Late Middle Ages and Renaissance (5-0-5).*

The history of Europe from c. 1300 to 1517 with special emphasis on the political, cultural, and intellectual developments which transformed medieval society into Renaissance men.

*History 347—The French Revolution and Napoleon. (5-0-5).*

An investigation of the ideas and events of the Old Regime and the Enlightenment in France; emphasis is also on the impact of the French Revolution and the career of Napoleon upon the major European nations.

*History 348—The History of Europe from 1815 to 1900. (5-0-5).*

A study of the most important social, political, and intellectual directions of European history from the Congress of Vienna to the end of the nineteenth century.

*History 350—Europe in the Twentieth Century. (5-0-5).*

A study of the major developments in Europe since 1900, with emphasis upon the origins and impact of the First and Second World Wars.

*History 351—American History to 1865. (5-0-5).*

A general survey of the political, economic, and social history of the United States to the end of the Civil War.

*History 352—American History Since 1865. (5-0-5).*

A general survey of the political, economic, and social history of the United States from 1865 to the present.

*History 354—Social and Intellectual History of the United States Since 1865. (5-0-5).*

An examination of political theory, social development, and the principal trends of American thought since 1865.



*History 355—Studies in American Diplomacy.* (5-0-5).

Studies of American objectives and policies in foreign affairs from colonial times to the present.

*History 356—American Constitutional History.* (5-0-5).

A study of the origins, content, and expansion of the Constitution of the United States.

*History 357—The Old South.* (5-0-5).

The colonial South through secession; development and operation of the plantation system; emergence of the ante-bellum social and political patterns of the region.

*History 358—The New South.* (5-0-5).

Emphasis is placed upon the social, economic, and political readjustments of the late nineteenth century, and the impact of industrialism and liberalism in the twentieth century.

*History 359—Civil War and Reconstruction.* (5-0-5).

The causes and significance of the American Civil War, with minor consideration of the military campaigns; political, economic and social aspects of Reconstruction.

*History 360—Recent American History.* (5-0-5).

Beginning with the presidency of Rutherford B. Hayes, the course will emphasize populism and progressivism, the period between the wars, and postwar readjustment.

*History 361—Great Historians.* 5 quarter hours. (5-0-5).

The course is designed to acquaint the student with major historians and historical philosophies through individual reading under the direction of the instructor.

*History 362—Independent Study.* (5-0-5).

Designed to permit superior students to pursue individual research and reading in some field of history under the supervision of a member of the staff. Emphasis will be on wide reading, conferences with the adviser, and written reports and essays. Open only to seniors with a B average in history and in their overall work. Admission will be subject to approval of the individual adviser and of the Head of the Department of History.

## Geography

*Geography 111—World Human Geography.* (5-0-5).

A survey of world human geography, emphasizing population characteristics, topographic features, distribution of economic activi-

ties and geo-political problems within the major geographical regions. Consideration of adequacy of resources to support expanding world populations.

## Philosophy

*Philosophy 110—Introduction to Philosophy. (5-0-5).*

The fundamentals of philosophy, the meaning and function of philosophy, the vocabulary and problems of philosophy, and the relation of philosophy to art, science and religion. Includes a survey of the basic issues and major types of philosophy, and shows their sources in experience, history and representative thinkers.

*Philosophy 301.—History of Philosophy: Ancient and Medieval.*

An historical introduction to philosophy, tracing the development of European philosophy from the early Greeks through the Renaissance.

*Philosophy 302—History of Philosophy: Modern. (5-0-5).*

A continuation of Philosophy 301 from the seventeenth century to the present.

*Philosophy 320—Introduction to Oriental Philosophy. (5-0-5).*

## Political Science

*Political Science 113—Government of the United States. (5-0-5).*

A study is made of the structure, theory, and functions of the national government in the United States and some of the major problems of the state and local government. The course shows how developmental practice has created our government as it stands today.

*Political Science 300—Political Behavior. (5-0-5).*

This course emphasizes the economic, psychological, and social aspects of political behavior. It examines the concepts of power, roles groups, elites, decision-making, political communications, and systems analysis. Consideration is also given to the basic theories, variables, and hypotheses used in empirical research in political science.

*Political Science 301—Comparative Government. (5-0-5).*

An analytical and comparative study of the major European governments, with principal emphasis upon the analysis of the conditions which lead to effective and stable parliamentary government, and those which lead to the inefficiency, instability and breakdown of such systems.

*Political Science 302—Comparative Government:Asia. (5-0-5).*

A continuation of Political Science 301, with emphasis on the political institutions and problems of government in Asian nations.

*Political Science 303—Introduction to Political Science. (5-0-5).*

This course deals with the area of political science as a discipline, and serves as an introduction to the systematic study of modern government. Attention is given to the role of politics in society; the nature and origins of the state; the nature and development of political institutions; the bases of political action; and the theories, forms and processes of government. Required of all political science majors.

*Political Science 304—Public Administration. (5-0-5).*

This is a one quarter course that is primarily concerned with organizational theory and bureaucratic behavior, whether public or private, but with an emphasis on the behavior of the bureaucracy of the national government. This course will also be concerned with the political process as it unfolds in the administration of laws enacted by the Congress. A number of case studies on the subject will be examined in some detail.

*Political Science 305—State and Local Government. (5-0-5).*

This course is concerned primarily with the political process and the behavior of political actors at the local and state levels of government primarily in the United States. It is concerned with the techniques and research results of the relevant empirical literature that has evolved over the past 15 years in the field; i.e., local community studies of Floyd Hunter, Robert A. Dahl, and others.

*Political Science 306—International Law. (5-0-5).*

An introduction to selected public international law topics including: recognition, state succession, jurisdiction, extradition, nationality, the law of treaties, the law of diplomacy, and the law of war.

*Political Science 307—Constitutional Law. (5-0-5).*

A study of the development of the United States government through judicial interpretation of the Constitution. The case study method of analysis is used, but some attention is given also to recent behavioral writings on judicial decision-making. Prerequisite: Political Science 113, or equivalent.

*Political Science 319—International Relations. (5-0-5).*

An introduction to the theories, forces and practices dominating contemporary international relations.

*Political Science 320—International Relations: The Far East.* (5-0-5).

*Political Science 331-332—Political Theory.* (5-0-5).

An historical study of the development of ideas relative to the state and government from Socrates and Plato to the present. Attention is directed primarily to the political thought of a selected group of eminent philosophers.

*Political Science 331—From Socrates to the 17th Century* (5-0-5).

*Political Science 332—From the 17th Century to the Present.* (5-0-5).

## DEPARTMENT OF LANGUAGE & LITERATURE

Professor Hugh Pendexter III, *Head*; Professors Anchors, Lubs, Seale, Strozier; Associate Professor White; Assistant Professors Bakker, Brooks, Carr, Chew, Ramsey and Welsh; Instructor Ferguson.

### Departmental Requirements for the Major in English

A student majoring in English must complete at least 40 hours of upper-division courses (300-400 level) in the major field, of which at least 15 hours must be on the 400 level. A major program must include at least one of the starred courses in each of the following groups:

- I. Shakespeare (404\*)
- II. English Literature before 1700 (301\*, 302\*, 321, 402, 403)
- III. English Literature after 1700 (303\*, 305\*, 306\*, 307\*, 311, 312, 322)
- IV. American Literature (309\*, 310\*, 313, 322)
- V. Comparative Literature or English Language (314\*, 318\*, 322\*, 325\*, 332\*, 333\*, 410\*; Chinese 233, French 201, 227)

The major shall select one area of specialization from groups II-IV and complete at least two additional courses in that area (starred or unstarred). English 400 and 490 may, depending on the subject, be counted in any area of specialization.

The major program must also include proficiency in a foreign language equivalent to courses 101 through 104, and 25 quarter hours of courses, approved by the major department, from these related fields: literature in a foreign language, history, philosophy, art, music, speech.

### Course Offerings Chinese

*Chinese 101-102—Elementary Chinese (10-0-10)*. (Not offered 1967-1968).

A basic training in Chinese conversation and reading.

*Chinese 201—Intermediate Chinese (5-0-5)*. (Not offered 1967-68).

*Chinese 233—Chinese Literature in Translation (5-0-5)*. (Not offered 1967-68).

### English

Students will be assigned to freshman English according to results of tests taken before the beginning of the term.

*English 100—Fundamentals of Composition (3-4-5)*.

This is the study and practice of sentence and paragraph structure. Students must learn to write clearly, logically, coherently, and *correctly*. In the 2-hour reading laboratory students work to improve reading comprehension. In the 2-hour writing laboratory they practice in composition.

*English 101—Composition (5-0-5)*. Prerequisite: Assignment to this course is based on entrance test results or the successful completion of English 99. English 101 must be completed with a grade of "C" in order to enter English 102. A library paper is written during the term.

*English 102—Greek Literature and the Bible (5-0-5)*. Prerequisite: English 101.

Emphasis in composition is on critical papers longer than 1,000 words. Reading assignments are from classical epics and tragedy, and the Bible.

*English 103—Honors Composition (5-0-5)*.

Instruction in this course will not follow the traditional lecture method only; the students will read and write a research paper (or papers) in the fashion which the instructor thinks will best discipline them for independent study.

*English 104—Honors Composition and Introduction to Literature (5-0-5)*.

In this course the students will read material in addition to the literature assigned for English 102 and write critical papers on topics selected from the periods covered.

*English 201—Shakespeare and Literature through the 19th Century* (5-0-5). Prerequisite: English 101, English 102. Literary masterpieces from 1400-1850.

*English 202—Modern World Literature* (5-0-5). Prerequisite: English 101, English 102, English 201.

Literary masterpieces 1850 to present.  
*Speech Courses*

*English 227—Theatre Laboratory* (0-3-1).

Practical experience in theatre. The student will work on the Masquer's production of the quarter. Only one hour's credit may be earned per quarter. The maximum total credit allowed in Theatre Laboratory is five quarter hours.

*English 228—Fundamentals of Speech* (5-0-5).

Practice and theory of oral communication. Each student makes several major speeches. The physiology of the speech mechanism is covered, and articulation is studied within the framework of the International Phonetic Alphabet.

*English 341—Oral Interpretation* (5-0-5).

A practical course in the oral interpretation of poetry and prose. The techniques of literature analysis are stressed along with the vocal techniques needed to communicate an author's mood and meaning.  
*Period Courses* (poetry and prose, with a slight sampling of drama).

*English 301—(5-0-5) Renaissance* - Malory through Spenser.

*English 302—(5-0-5) 17th Century* - Donne through Milton.

*English 303—(5-0-5) Restoration and 18th Century* - 1660-1798.

*English 305—(5-0-5) 19th Century I. Romantics*

*English 306—(5-0-5) 19th Century II. Victorian*

*English 307—(5-0-5) Twentieth Century British*

*English 308—(5-0-5) American Literature, beginning through Twain*

*English 310—(5-0-5) American Literature from the rise of Naturalism to the present*

*English 332—(5-0-5) Medieval and Renaissance European Literature*

*English 333—(5-0-5) Modern European Literature*  
*Genre Courses*

*English 331—(5-0-5) Children's Literature* (will not apply toward English major.)

*English 313—(5-0-5) American Novel*

*English 314—(5-0-5) The European Novel*

*English 318—(5-0-5) Greek and Roman Drama in Translation*

*English 321—(5-0-5) English Drama to 1850* (excluding Shakespeare)

*English 322—(5-0-5) Modern British, American, and Continental Drama, Ibsen to present*

*English 325—(5-0-5) Advanced Grammar*—An objective examination of the structural patterns of modern English by application of the new analytic and descriptive methods. (*Not a review of traditional grammar.*)

*English 375—(5-0-5) The British Novel*  
*Senior Courses*

*English 400—(1-5)-0-(1-5) Seminar*

*English 402—(5-0-5) Milton* (Not offered 1967-68)

*English 403—(5-0-5) Chaucer*

*English 404—(5-0-5) Shakespeare*

*English 410—(5-0-5) History of the English Language*

*English 490—(1-5)-0-(1-5) Independent Study*

### \*French

*French 101-102-103—Elementary French* (15-0-15)

A course for beginners. The approach is primarily oral, and daily practice with tape recordings is required. Students who own tape machines may have tapes recorded for home practice.

No credit for graduation or transfer will be given until the sequence is completed.

*French 110—Elementary French* (3-0-3)

*French 111—Elementary French* (3-0-3)

*French 112—Elementary French* (4-0-4)

\*See footnote on page 109.

These are the same courses as French 101-102 above, but more time is allowed for covering the work. Students will be enrolled for these sections on advice of the instructor.

*French 104—Intermediate French (5-0-5)*. Prerequisite: Three quarters of college French or three years of high school French.

Further reading of texts, oral and composition practice.

*French 201—French Classical Drama (5-0-5)*. Prerequisite: Selected plays of Corneille, Moliere and Racine.

*French 227—French Literature of the Nineteenth Century (5-0-5)*. Prerequisite: French 104. A study of Romantic prose, poetry, and drama, with lectures and discussions in French.

### \*German

*German 101-102-103—Elementary German (15-0-15)*

Drill upon pronunciation and elements of grammar, conversation and the training of the ear as well as the eye. German is used as much as practicable in the classroom instruction. The course includes reading of texts and translations, conversations, dictation, and dialogues.

No credit for graduation is allowed until sequence is completed.

*German 110—Elementary German (3-0-3)*. Fall

*German 111—Elementary German (3-0-3)*. Winter

*German 112—Elementary German (4-0-4)*. Spring

These are the same courses as German 101 - 102 above, but more time is allowed for covering the work. Students will be enrolled for these sections on advice of the instructor.

*German 104—Intermediate German, (5-0-5)*. Prerequisite: Three quarters of college German or three years of high school German.

Further reading of texts, oral and composition practice.

\*See footnote on page 109.



### \*Spanish

*Spanish 101-102—Elementary (10-0-10).*

These courses are for the purpose of providing the student with the elements of Spanish reading, composition and conversation. No credit for graduation will be given until sequence is completed.

*Spanish 103—Elementary (5-0-5)*

Prerequisite: Two quarters of college Spanish or two years of high school Spanish.

This course gives the student an opportunity to review the elements of Spanish grammar, conversation and readings.

## DEPARTMENT OF MATHEMATICS

Professor Lane Hardy, *Head*; Professors Sanchez-Diaz, Stubbs, Winn; Associate Professor Laffer; Assistant Professors Semmes, Underwood.

All degree programs require at least 10 hours of mathematics. This requirement may be satisfied in any one of three ways:

- (a) For LIBERAL ARTS MAJORS (English, history, etc.): Mathematics 105 and any one of these courses: Mathematics 106, 107, 108, 109.
- (b) For SOCIAL SCIENCE MAJORS (psychology, sociology, business administration, etc.): Mathematics 101 and Mathematics 111.
- (c) For SCIENCE MAJORS (physics, chemistry, mathematics, etc.): Mathematics 103 and Mathematics 104.

*Students should consult with the department of their major for possible variations on the above options (a), (b), (c).*

### Departmental Requirements for the Major in Mathematics

A major in mathematics will consist of at least 6 courses (30 qtr. hrs.) beyond the calculus sequence (Mathematics 104-201-202-203). Normally a student would accomplish this as follows: Mathe-

\*Students who have studied a foreign language in high school will be placed in college courses according to tests given before the fall quarter.

matics 311-312; 321-322; and at least one of the sequences: 301-302; 401-402.

Every major program must include Mathematics 311-312 and at least one of these sequences: 301-302; 401-402. A student may, however, substitute for the 321-322 sequence.

It is recommended that a mathematics major support his work in mathematics with at least 15 qts. hrs. of approved elective courses in related fields.

## Course Offerings

### Engineering

*Engineering Graphics* 113—(0-6-2).

Topics of study include lettering (capital and lower case); the use of the instruments; geometric construction; orthographic projection; emphasis on descriptive geometry concepts as applied to the solution of problems involving orthographic projection of solids, auxiliary views, and points, lines and planes.

*Engineering Graphics* 114—(0-6-2). Prerequisite 113.

Topics of study include the solution of problems involving points, lines and planes by use of the revolution method; intersection of surfaces; warped surfaces: the development of surfaces. Practical applications are emphasized.

*Engineering Graphics* 115—(0-6-2). Prerequisite, 114.

Topics of study include sections and conventions; dimensioning; pictorial representation; detail sketches; shop processes; assembly drawings from detail sketches; working pictorial sketches; introduction to charts and graphs; reproduction processes, ink tracing on cloth; graphical calculus.

### Mathematics

*Mathematics* 101—*College Algebra* (5-0-5). Fall, Winter, Spring.

Sets, functions and their graphs, equations, logarithm and exponential functions, polynomials, right triangle trigonometry, elementary statistics and probability.

*Mathematics* 103—*Pre-Calculus Mathematics* (5-0-5). Fall, Winter, Spring. Prerequisites: SAT scores of 500 or better on both verbal and mathematics, 8 semesters of high school mathematics or its equivalent (algebra 1, 2, Geometry, Trigonometry); or a grade of C or better in Mathematics 101.

Sets, functions, graphs, real numbers, polynomial functions, trigonometric functions, inverse functions.

*Mathematics 104—Analytic Geometry and Calculus (5-0-5)*. Fall, Spring. Prerequisites: Satisfactory qualifying score on the C.E.E.B. Advanced Placement Test Level I or (this applies for the academic year 1967-1968 only) a satisfactory score on the Armstrong Calculus Placement Test (given during the orientation week of the Fall quarter—1967 only) or a grade of C or better in Mathematics 103.

The real numbers (especially the completeness property), coordinate systems, introduction to the integral, areas, differential calculus, the Fundamental Theorem of Calculus.

*Mathematics 105—An Introduction to Modern Mathematics I (5-0-5)*. Fall, Winter, Spring.

This course and Mathematics 106, 107, 108, 109 are designed to introduce the non-science major to modern mathematical concepts and to suggest an appropriate cultural setting for the subject.

*Mathematics 106—An Introduction to Modern Mathematics II, Abstract Algebra (5-0-5)*. Fall, Winter, Spring. Prerequisite: Mathematics 105 or consent of instructor.

This course as well as Mathematics 107, 108, 109 will proceed in the same spirit as Mathematics 105. A specific area of mathematics will be studied in an effort to acquaint the liberal arts student with the work of contemporary mathematicians. Appropriate topics will be selected from one of the following areas: Abstract algebra, modern geometry, analysis, mathematics logic.

*Mathematics 107—An Introduction to Modern Mathematics II, Logic (5-0-5)*. Prerequisite: Mathematics 105 or consent of instructor.

*Mathematics 108—An Introduction to Modern Mathematics II, Geometry (5-0-5)*. Prerequisite: Mathematics 105 or consent of instructor.

*Mathematics 109—An Introduction to Modern Mathematics II, Analysis (5-0-5)*. Prerequisite: Mathematics 105 or consent of instructor.

*Mathematics 111—Elementary Statistics (5-0-5)*. Fall, Winter, Spring. Prerequisites: Mathematics 101 or its equivalent.

*Mathematics 201—Analytic Geometry and Calculus (5-0-5)*. Fall, Winter. Prerequisite: Mathematics 104.

The differential and integral calculus of exponential, logarithmic and inverse trigonometric functions, elementary differential equations, algebra of vectors.

*Mathematics 202—Analytic Geometry and Calculus (5-0-5).* Winter, Spring. Prerequisite: Mathematics 201.

Some vector analysis, analytic geometry of two and three dimensions, conics, polar and cylindrical coordinates, the Mean-Value Theorem, Cauchy's Theorem, Taylor polynomials.

*Mathematics 203—Analytic Geometry and Calculus (5-0-5).* Spring. Prerequisite: Mathematics 202.

Problems involving extrema, the theorems of L'Hopital and applications, infinite sequences and series. The solution of linear ordinary differential equations both by operator methods and series.

*Mathematics 235—Finite Mathematics (5-0-5).* Prerequisite: Mathematics 101.

*Mathematics 301, 302, 303—Advanced Calculus (5-0-5).* Prerequisite: Mathematics 203.

*Mathematics 305—Differential Equations (5-0-5).* Prerequisite: Mathematics 201.

*Mathematics 311, 312, 313—Abstract Algebra (5-0-5).* Prerequisite: Mathematics 203.

*Mathematics 321, 322, 323—Projective and Related Geometries (5-0-5).* Prerequisite: Consent of instructor.

*Mathematics 401, 402, 403—Real Variables (5-0-5).* Prerequisite: Mathematics 203 and consent of instructor.

*Mathematics 411, 412—Complex Variables (5-0-5).* Prerequisite: Mathematics 203. (Not offered in 1967-68).

*Mathematics 421, 422—Numerical Analysis (5-0-5).* Prerequisite: Mathematics 203. (Not offered in 1967-68).

*Mathematics 452—Basic Ideas of Arithmetic (5-0-5).* Prerequisite: Mathematics 105.

This course is designed to give elementary teachers a clear understanding of the fundamental ideas of arithmetic and to acquaint them with the material currently being used in the elementary schools.

*Mathematics 490—Seminar (1-0-1).*

## DEPARTMENT OF NURSING

Assoc. Professor Doris Bates, R.N., *Director*; Instructors Rose Marie Blase, R.N., Anne Mayer, R.N., Sybil Wilson, R.N., Nancy Duffy, R.N., Barbara Rundbaken, R.N.

The Associate of Arts Degree Program in Nursing provides the student with the opportunity to obtain a general education and to

study nursing at the college level. Graduates are eligible to take the State Examination for licensure to practice as registered nurses.

The nursing educational program is developed by progressing from simple to complex situations in nursing which evolve from basic concepts fundamental to the total needs of the individual.

Student nurses participate in nursing laboratory experiences at Memorial Hospital of Chatham County, the Warren A. Candler Hospitals, and other community agencies. Students are assigned to the clinical area and are responsible for providing their own transportation. Continuation in the program second quarter is dependent upon maintaining a 2.0 average first quarter.

Students who enroll in this program have opportunities for personal, intellectual, and socio-ethical development, as well as having the personal satisfaction of becoming a member of a professional group which has unlimited opportunities after graduation.

*Freshman Course**Qtr. Hrs.*

English 101 .....	5
Chemistry 105 .....	5
Nursing 101 .....	7
Psychology 201 .....	5
Zoology 108 .....	5
Nursing 102 .....	7
Psychology 305 .....	5
Zoology 109 .....	5
Nursing 103 .....	7
Nutrition 101 .....	5
Microbiology 201 .....	5
Nursing 104 .....	7

*Sophomore Course**Qtr. Hrs.*

Sociology 201 .....	5
Nursing 201 .....	10
History 351 .....	5
Nursing 202 .....	10
P.E. 208 .....	1
Humanities Elective .....	5
Nursing 203 .....	10
P.E. 113 .....	1
Nursing 204 .....	10
P.E. 204 .....	1

**Course Offerings—Freshman**

*Nursing 101—Fundamentals of Nursing, and*

*Nursing 101L—Selected Laboratory Experiences. (5-4-7).*

The underlying philosophy of this introductory course is that the logical approach to the care of the sick is through a developmental path based on a patient's typical day. Sound principles of professional ethics and the historical development of the nursing profession are correlated. Students are given opportunity to develop beginning nursing skills, to understand and apply basic principles, and to identify

nursing care needs of individual patients. Clinical experience in community hospitals is given under supervision.

*Nursing 102—Introduction to Care of the Physically Ill, and*

*Nursing 102L—Selected Laboratory Experiences. (5-4-7). Prerequisite: Nursing 101.*

This course is a continuation of Fundamentals of Nursing. The students develop more complicated nursing skills and an awareness of the interrelatedness of medical-surgical nursing problems, and the sociological, physiological, and psychological needs of the patients. The problemsolving technique is introduced. Selected nursing practice is provided in applying the principles of comprehensive care to patients in the hospital.

*Nursing 103—Nursing in Maternal—Child Health, and*

*Nursing 103L—Selected Laboratory Experiences. (4-6-7). Prerequisite: Nursing 102.*

This first course in Maternal and Child Health emphasizes the study of the care and development of the child and the effect of illness during the growing years on individual development and that of the family. Beginning with conception through childhood and adolescence, this course will establish the framework of knowledge for the study of the nursing needs of the individual and the family that will be developed during the curriculum. Laboratory experience is planned selectively and utilizes agencies concerned with children and their families.

*Nursing 104—Nursing in Maternal—Child Health, and*

*Nursing 104L—Selected Laboratory Experiences. (4-6-7). Prerequisite: Nursing 103.*

This course is a continuation of learning in maternal and child health nursing. It is designed to assist the student in the application of appropriate principles to care of the obstetrical patient, beginning with conception through the prenatal period, labor and delivery, post partum, and the care of the newborn infant. Emphasis is placed on problems occurring during this period.

### Course Offerings—Sophomore

*Nursing 201—Nursing in Mental-Physical Illness, and*

*Nursing 201L—Selected Laboratory Experiences. (5-10-10). Prerequisite: Nursing 104.*

Nursing in Mental-Physical Illness is an integrated study of the typical problems interrupting the human life cycle from adolescence

to middle-age. In the physical illness nursing units, emphasis is placed on meeting the nursing needs of these medical-surgical patients. In the mental illness units, emphasis is placed on meeting the nursing needs of the people in all age groups with emotional disorders. Selected experiences with hospitalized patients are provided each student to reinforce his/her learning.

*Nursing 202—Nursing in Physical Illness I and*

*Nursing 202L—Selected Laboratory Experiences.* (5-10-10). Prerequisite: Nursing 201.

Nursing in Physical Illness I continues to follow the adult human life cycle. Emphasis is placed on exploring the typical problems of middle age. Selected experiences with patients are provided each student to reinforce his/her learning, related to the care of the chronically or acutely ill medical surgical patient.

*Nursing 203—Nursing in Physical Illness II and*

*Nursing 203L—Selected Laboratory Experiences.* (5-10-10). Prerequisite: Nursing 202.

Nursing in Physical Illness II is a continuation of the study of the typical problems interrupting the adult human life cycle from middle age, through senescence to death.

Selected experiences with patients are provided each student to reinforce theoretical learning.

*Nursing 204—Advanced Nursing Problems.* (Seminar). Prerequisite: Nursing 203.

*Nursing 204L—Selected Laboratory Experiences* (2-16-10).

Legal responsibilities and current trends in nursing are explored as well as the role of the beginning nurse.

Laboratory experiences are designed to enhance breadth and depth of knowledge and development of skills in contrast to the preceding courses when emphasis was on the acquisition of new knowledge and behaviors.

## Music

(See listing under Department of Fine Arts)

## Philosophy

(See listing under Department of History and Political Science)

## DEPARTMENT OF PHYSICAL EDUCATION

Professor Roy J. Sims, *Head*; Assistant Professors Tapp and Bedwell;  
Instructor Hickman.

### Course Offerings

*Physical Education* 111—*Conditioning Course* (0-2-1). Fall.

Consists of calisthenics, stunts and tumbling, lifts and carries, road work, duel combatives, and simple games.

*Physical Education* 112—*Team Sports* (0-2-1). Winter.

Consists of basketball, soccer, speedball and volleyball.

*Physical Education* 113—*Elementary Swimming* (0-2-1). Spring.

*Physical Education* 114—*Officiating of Basketball* (1-3-2).  
Winter.

Consists of a study of rules interpretation and actual experience in coaching and officiating in class and intramural games. Elective credit, except when substitute for P. E. 112.

*Physical Education* 201—*Elementary Tennis* (0-2-1). Fall.

*Physical Education* 203—*Senior Life Saving and Instructors' Course in Swimming* (2-3-2). Spring. May be substituted for P. E. 113.

*Physical Education* 204—*First Aid* (3-0-1). Winter.

The American Red Cross standard course in first aid.

*Physical Education* 205—*Folk Rhythms* (0-2-1). Spring.

*Physical Education* 206—*Beginning Modern Dance* (0-2-1).  
Winter.

*Physical Education* 207—*Tap Dance for Beginners* (0-2-1).

*Physical Education* 208—*Adult Recreative Sports* (0-2-1).

Golf, ping-pong, pool, card games, chess, checkers and other quiet games.

*Physical Education* 232—*Bowling* (0-2-1). Winter.

*Physical Education* 233—*Badminton* (0-2-1).

*Physical Education* 234—*Trampoline* (0-2-1).

The student is taught the proper care and use of the trampoline. He learns to perform the following skills: seat drop, knee drop, front



drop, back drop, pull over, cradle, turntable, swivel hips, spotting, and somersault.

*Physical Education 236—Intermediate Modern Dance (0-2-1).*  
Prerequisite: P. E. 206.

A continuation of Physical Education 206 with emphasis on dynamics, composition and choreography.

### **Physical Science**

(See listing under Department of Chemistry and Physics)

### **Physics**

(See listing under Department of Chemistry and Physics)

### **Political Science**

(See listing under Department of History and Political Science)

## **DEPARTMENT OF PSYCHOLOGY & SOCIOLOGY**

Professor Robert H. Cormack, *Head*; Professor Thompson;  
Assistant Professors Arger and Davidson

Students who intend to major in Psychology should complete Psychology 201-202 before the end of their sophomore year. They should also complete Zoology 101-102 and Mathematics 103-111-235 as early as possible.

### **Course Offerings**

#### **Anthropology**

*Anthropology 201—Man and His Culture (5-0-5).*

An introduction to the study of man as a cultural animal, the development of human societies from preliterate beginnings, the rise of complex social organizations with an outline study of the major cultures developed by man.

#### **Psychology**

*Psychology 201—Introductory Psychology I (5-0-5).*

An introduction to the vocabulary, concepts and methods of the science of behavior. Discussion and experiments focus on the

problems of perception, learning and motivation. Psychology 201 is prerequisite to all other courses in psychology.

*Psychology 202—Introductory Psychology II* (5-0-5). Prerequisite: Psychology 201.

An extension of Psychology 201. The fundamentals of intelligence, personality, emotion and interpersonal behavior are introduced.

*Psychology 301—Educational Psychology* (5-0-5). Prerequisite: Psychology 201.

The application of behavioral science to the problems of learning in the classroom. Primarily for teacher preparation.

*Psychology 307—Experimental Psychology I. Perception* (4-2-5). Prerequisite: Psychology 201.

An experimental-theoretical approach to the nature of perception. Special attention is given to the psychophysical methods.

*Psychology 308—Experimental Psychology II, Learning & Motivation* (4-2-5). Prerequisite: Psychology 201.

An examination of the methodology and theory associated with the various forms of learning and their motivational concomitants.

*Psychology 309—Experimental Psychology III, Comparative & Physiological Psychology* (4-2-5). Prerequisite: Psychology 201 and Zoology 101-102.

Introduction to the biological bases of behavior. The structure and function of the nervous system is studied and related to the behavior of humans and other organisms.

*Psychology 305—Developmental Psychology* (5-0-5). Prerequisite: Psychology 201.

An introduction to the nature of genetics and maturational variables and their effects on behavior. Emphasis is placed on the development of psycho-motor skills, aptitudes and attitudes in the human.

*Psychology 311—Theories of Personality* (5-0-5). Prerequisite: Psychology 201.

A study of selected personality theories with emphasis on normal behavior. Attention will be given to both experimental and clinical data. The determinants of personality structure and the development of personality will be examined from divergent points of view.

*Psychology 303—Social Psychology* (5-0-5). Prerequisite: Psych. 201.

The study of the behavior of others as determinants of the behavior of the individual. The cultural milieu and group pressure will be examined in terms of their effects on behavior.

*Psychology 310—History of Psychology* (5-0-5). Prerequisite: Psychology 201.

A study of the basic ideas in psychology from early animism to modern behaviorists. Special attention is given to the philosophical bases at various times in the history of psychology.

## Sociology

*Sociology 201—Introductory Sociology* (5-0-5).

An introduction to the concepts and methods of the science of human group behavior. Includes the study of socialization, the role of the individual in society and the major social institutions and processes.

*Sociology 350—Social Problems* (5-0-5). Prerequisite: Soc. 201.

An examination of behavioral deviancy and social disorganization in the context of sociological theory.

*Sociology 351—Population and Problems* (5-0-5). Prerequisite: Sociology 201.

The study of the methods of population analysis and the factors involved in population change.

## Spanish

(See listing under Department of Language and Literature)

## Speech

(See listing under Department of Language and Literature)

## Zoology

(See listing under Department of Biology)

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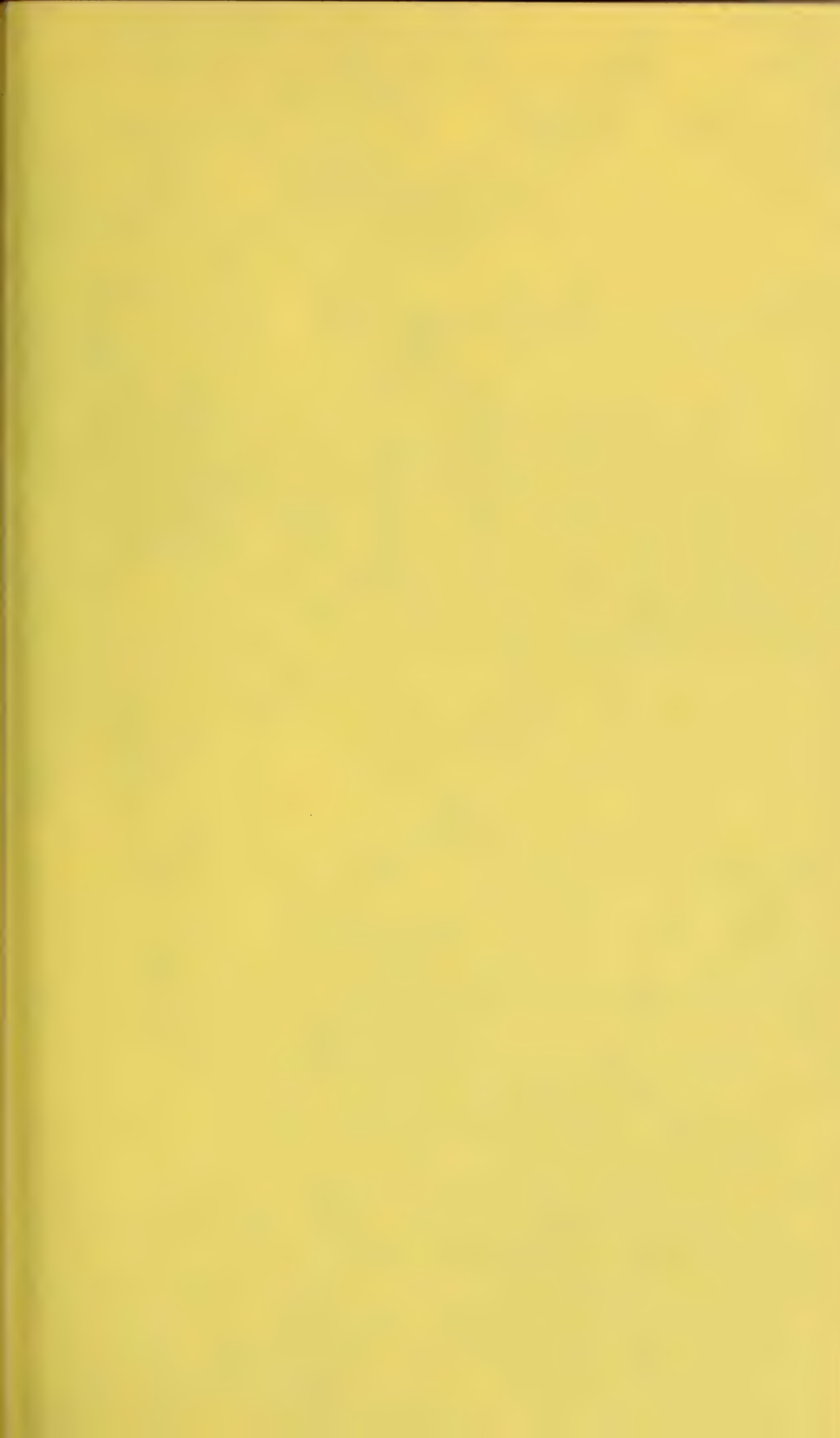
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Armstrong  
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Savannah, Georgia



Bulletin of  
**Armstrong State College**  
Savannah, Georgia

A Four-Year College of the  
University System of Georgia



SUMMER    FALL    **1968-1969**    WINTER    SPRING

Volume XXIII

Number 8

*Membership in*  
Southern Association of Colleges and Schools  
Association of Georgia Colleges

## 1968 CALENDAR 1968

APRIL	JULY	OCTOBER
S M T W T F S	S M T W T F S	S M T W T F S
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MAY	AUGUST	NOVEMBER
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JUNE	SEPTEMBER	DECEMBER
S M T W T F S	S M T W T F S	S M T W T F S
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## 1969 CALENDAR 1969

JANUARY	APRIL	JULY
S M T W T F S	S M T W T F S	S M T W T F S
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FEBRUARY	MAY	AUGUST
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
MARCH	JUNE	SEPTEMBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

# ACADEMIC CALENDAR

## 1968-1969

### SUMMER QUARTER, 1968

May	20	Last day for freshman and transfer students to file all papers required in the application for admission
June	3	Last day for transient students (for Summer Quarter only) to file all papers required in the application for admission
	10	Registration
	11	Classes begin
	12	Last day to register for credit
	14	Last day to change classes
July	4	Holiday
	8	Mid-Term reports due
	15-19	Pre-advise-ments for Fall Quarter
August	7-9	Examinations
	14	Graduation

### FALL QUARTER, 1968

Sept.	1	Last day for freshman and transfer students to file all papers required in the application for admission
	9-12	Freshman Orientation
	18	Advisement for sophomores, juniors and seniors
	19	Registration for returning sophomores, juniors and seniors
	9 a.m.-1 p.m.	Registration for <b>all</b> evening students
	6 p.m.-8 p.m.	Registration for all new students
	20	Registration for all new students
	9 a.m.-1 p.m.	Classes begin
	23	Classes begin
	24	Last day to register for credit
	27	Last day to change classes
Nov.	4	Mid-term reports due
	11-15	Pre-advise-ment for Winter Quarter
	18	Ga. and U.S. history and government test
	28-29	Thanksgiving Holidays
Dec.	9-11	Examinations

### WINTER QUARTER, 1969

Nov.	2	Administration of Scholastic Aptitude Test for applicants who wish to enroll in January. (Deadline for filing application for test is October 5, 1968, or October 19, 1968, upon payment of late registration fee.)
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Dec.	16	Last day for freshman and transfer student to file all papers required in the application for admission.
Jan.	3	Registration
	6	Classes begin
	7	Last day to register for credit
	10	Last day to change classes
Feb.	10	Mid-term reports due
	17-21	Pre-advisement for Spring Quarter
March	12-14	Examinations

### SPRING QUARTER, 1969

March	1	Last day for freshman and transfer student to file all papers required in the application for admission
	20	Registration
	21	Classes begin
	22	Last day to register for credit
	23	Last day to change classes
April	21	Mid-term reports due
	28	Pre-advisement for Summer and Fall Quarter
May	14	Honors Day Assembly
	28-30	Examinations
June	2	Graduation

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### SUMMER QUARTER, 1969

May	20	Last day for freshman and transfer student to file all papers required in the application for admission
June	2	Last day for transient students (for Summer Quarter only) to file all papers required in the application for admission
	9	Registration
	10	Classes begin
	11	Last day to register for credit
	16	Last day to change classes
July	4	Holiday
	7	Mid-term reports due
	14-17	Pre-advisement for Fall Quarter
August	6-8	Examinations
	13	Graduation

### FALL QUARTER, 1969

Sept.	1	Last day for freshman and transfer students to file all papers required in the application for admission
	8-12	Freshman Orientation
	19	Registration
Dec.	8-10	Examinations

# // GOVERNING BOARD, ADMINISTRATION and FACULTY

## Regents of the University System

State	WILLIAM S. MORRIS, III	Augusta
at Large	<i>(Jan. 5, 1967 - Jan. 1, 1974)</i>	
State	JACK ADAIR	Atlanta
at Large	<i>(Jan. 13, 1965 - Jan. 1, 1971)</i>	
State	ROY V. HARRIS	Augusta
at Large	<i>(Feb. 17, 1967 - Jan. 1, 1974)</i>	
State	JOHN A. BELL, JR.	Dublin
at Large	<i>(Jan. 1, 1963 - Jan. 1, 1970)</i>	
State	CAREY WILLIAMS	Greensboro
at Large	<i>(Jan. 1, 1962 - Jan. 1, 1969)</i>	
First	ANTON F. SOLMS, JR.	Savannah
	<i>(Jan. 1, 1962 - Jan. 1, 1969)</i>	
Second	JOHN L. SPOONER	Donalsonville
	<i>(Jan. 8, 1968 - Jan. 1, 1975)</i>	
Third	T. HIRAM STANLEY	Columbus
	<i>(Jan. 13, 1965 - Jan. 1, 1972)</i>	
Fourth	H. G. PATTILLO	Decatur
	<i>(Feb. 5, 1965 - Jan. 1, 1970)</i>	
Fifth	W. LEE BURGE	Atlanta
	<i>(Jan. 8, 1968 - Jan. 1, 1975)</i>	
Sixth	JAMES C. OWEN, JR.	Griffin
	<i>(Feb. 5, 1965 - Jan. 1, 1971)</i>	
Seventh	JAMES V. CARMICHAEL	Marietta
	<i>(Jan. 19, 1966 - Jan. 1, 1973)</i>	
Eighth	JOHN W. LANGDALE	Valdosta
	<i>(Jan. 13, 1964 - Jan. 1, 1971)</i>	
Ninth	JAMES A. DUNLAP	Gainesville
	<i>Jan. 10, 1966 - Jan. 1, 1973)</i>	
Tenth	G. L. DICKENS, JR.	Milledgeville
	<i>(Feb. 5, 1965 - Jan. 1, 1972)</i>	

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FRETWELL G. CRIDER .....	<i>Chemistry and Physics</i>
WILLIAM W. STOKES .....	<i>Education</i>
HUGH PENDEXTER, III .....	<i>English and Speech</i>
J. HARRY PERSSE .....	<i>Fine Arts</i>
WILLIAM L. EASTERLING .....	<i>Foreign Language</i>
ROY CARROLL .....	<i>History and Political Science</i>
F. LANE HARDY .....	<i>Mathematics</i>
LARRY TAPP (Acting Head) .....	<i>Physical Education</i>
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ROBERT CORMACK .....	<i>Psychology and Sociology</i>
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*Assistant Professor of Physical Education*

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Harvey College; M.S., Georgia Southern College

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*Assistant Professor*  
*Reference Librarian*
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*Acting Head, Physical Education Department*  
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*Professor of History and Political Science*

REGINA YOAST, B.A., Texas Christian University; B.S. in Library  
Science, Columbia University  
*Librarian*

---

\* Part-Time Instructor

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# PURPOSES AND PROGRAMS

A college is primarily a community of teachers and students who organize their energies for the work of the mind. Success in college means that a student has acquired those liberating skills of the mind that enable a man or woman to live the most fruitful life possible for him or her; that he has discovered the *usefulness* of those skills for understanding the world and for living in it competently and conscientiously.

Armstrong State College attempts to provide a climate where the student is induced to make connections between what he thinks and does and the best that has been thought and done. It is a climate intending to nourish the judging, critical and free man, responsible to himself and to his fellow man because he is developing and testing his own ideas and values.

Here the student works under able teachers to acquire liberal arts, and with their aid to explore man and his world through the insights of the humanities, the natural sciences and the social sciences. These studies are the core of every four year degree program.

In addition, the complex professional resources of the college make it the center for professional programs, such as those in elementary and secondary education, nursing, and business, which require a sound academic training as well as the development of professional skills. The college is the natural center for the creation of numerous programs, often through short non-credit courses and institutes, which apply the college's resources to the many problems arising in a large urban community. In this sense, the educational role of the college is truly multi-purpose.

## FOUR-YEAR DEGREES

Bachelor of Arts in the fields of history, English, music, political science, and psychology

Bachelor of Science in the fields of biology, chemistry, and mathematics.

Bachelor of Business Administration in the fields of accounting, management, and economics.

(Each of these above degrees may be taken along with an approved program leading to certification for secondary school teaching.)

Bachelor of Science in Elementary Education.

Bachelor of Science in Medical Technology.

Bachelor of Science in Dental Hygiene Education.

## TWO YEAR DEGREES

Associate in Arts. This degree is offered as preparation for higher degrees in the liberal arts and professions and for positions in business after two years of college. The student planning to transfer from Armstrong State College into a professional or academic major program not offered here should, at the beginning of his freshman year, consult the catalog requirements of the school he plans to attend. Armstrong State College offers the first year of programs in forestry and veterinary medicine; the first two years of programs in engineering, industrial management, physical education, physics, pharmacy; the first three years, or the entire pre-professional programs, in dentistry, law, medicine, optometry, and other fields.

Associate in Arts in Nursing. This degree prepares graduates for the state examination for licensure as registered nurses.

Associate in Science in Dental Hygiene.

Associate in Arts in Police Administration.

## HISTORY OF THE COLLEGE

Armstrong State College was founded on May 27, 1935, as Armstrong Junior College, by the Mayor and Alderman of the City of Savannah to meet a long felt need for a college in the community. The College was housed in the Armstrong Building, a gift to the city from the family of George F. Armstrong, and over the years built or acquired five more buildings in the neighborhood of Forsyth Park and Monterey Square.

The College, as Armstrong College of Savannah, became a two-year unit of the University System of Georgia on January 1, 1959, under the control of the Regents of the University System.

In 1962, the Mills Bee Lane Foundation purchased a new campus site of over 200 acres, selected by the Regents. The new campus, with seven new buildings, was occupied in December, 1965.

In 1964, the Regents conferred upon Armstrong the status of a four-year college, with the right to offer the degrees of Bachelor of Arts, Bachelor of Science, and Bachelor of Business Administration. The College now offers fourteen major programs leading to these degrees, and, in addition, the two year Associate Degree in Nursing, in Dental Hygiene, and in Police Science.

The College community includes about 2100 students and 84 full-time faculty members.

Armstrong State College retained its accreditation as a junior college by the Southern Association of Colleges and Schools when it became a four-year college. In the process of following the procedure required by the Association for accreditation as a senior institution, Armstrong State College expects to be accredited as a senior institution in the fall of 1968, with accreditation retroactive to January 1, 1968.

## **LIBRARY**

The Lane Library is a modern two-story building completed in the winter of 1965. The building is completely air conditioned and fully carpeted. The library is equipped with well-designed furniture of the highest quality. A reading room and individual carrel desks are available on both floors. There is an attractively furnished periodical and newspaper room on the first floor. Faculty carrels, group study rooms, a seminar room and a staff-faculty room are available on the second floor. All stacks are open.

The library's collection is comprised of books, periodicals, pamphlets, documents, newspapers, maps, microfilm, microcards, and other materials. Cataloged volumes in the library total approximately 50,000.

The periodicals subscription list of 475 titles is well balanced and carefully chosen to meet the requirements of students and faculty.

A microfilm reader-printer, a microcard reader and a copying machine are available in the library for faculty and students use.

Services and regulations are specified in the library handbook, available on request to the Librarian of the college.

## **OFFICE OF COMMUNITY SERVICES**

*Short Courses, Workshops and Seminars.* These are planned, organized and administered by the office in response to group interest, or to meet a community

need brought to the attention of the Dean. All are offered on a non-credit basis and, except in a very few cases, there are no special requirements or prerequisites for admission. An additional brochure of the non-credit and credit courses, under the heading of "Schedule of Evening Classes" is mailed out before the beginning of every quarter; anyone wishing to do so may have his name placed on this mailing list. Subjects covered vary widely; the series is designed to offer something to appeal to almost any adult taste, from Computer Programming to Interior Decoration. The Dean is always glad to arrange courses for candidates preparing to take professional examinations in engineering, insurance, real estate and many others; the college has been approved as an Examination Center for a number of these examinations. One-day workshops, such as the annual Writers' Workshop, are also planned and managed by this office.

#### **EVENING CLASSES**

In addition to the full daytime schedule, Armstrong offers a schedule of classes in the evening, including most of the required courses for some programs leading towards a degree.

Students employed during the day must limit their enrollment to one or two courses each quarter.

# 3 / ADMISSION TO THE COLLEGE

Application forms for admission to Armstrong State College are provided by the Admission Officer upon request. Any application cannot be considered until all required forms are properly executed and returned to the Admissions Office. Applications must be one file in the Admissions Office at least twenty days before the opening of the quarter in which the applicant wishes to enter. Deadlines for submitting applications for the 1968-69 session are:

For Summer Quarter, 1968-69—May 20 (New freshmen and transfers)  
June 3 (Transient students—Summer only)

For Fall Quarter, 1968 —September 1  
For Winter Quarter, 1969 —December 16  
For Spring Quarter, 1969 —March 1  
For Summer Quarter, 1969 —May 20 (New freshmen and transfers)  
—June 2 (Transient students—Summer only)  
For Fall Quarter, 1969 —September 1

The applicant must be at least sixteen years old on or before registration date and must give evidence of good moral character, promise of growth and development, seriousness of purpose, and a sense of social responsibility. Armstrong State College reserves the right to examine and appraise the character, the personality, and the physical fitness of the applicant. The College further reserves the right to examine any applicant by the use of psychological, achievement, and aptitude tests and to require additional biographical data and an interview before the applicant is accepted or rejected. If an interview is required, the applicant will be notified.

Armstrong State College reserves the right to refuse to accept any or all of the credits from any high school or other institution, notwithstanding its accredited status, when the College determines through investigation or otherwise that the quality of instruction at such high school or other institution is for any reason deficient or unsatisfactory. The judgment of the College on this question shall be final.

The Admissions Officer may refer any applicant to the Admissions Committee of the College for study and advice. The ultimate decision as to whether an applicant shall be accepted or rejected shall be made by the Admissions Officer subject to the applicant's right of appeal as provided in the policies of the Board of Regents of the University System.

On the basis of his achievement as reflected by his high school grades and on his potential ability as shown by his scores on the Scholastic Aptitude Test, an evaluation of each applicant's readiness to undertake college work will be made.

The Admissions Officer shall, as promptly as practicable, inform the applicant of the action taken upon his application.

The College reserves the right to terminate acceptance of applications when enrollment capacity is reached. The College further reserves the right to reject an applicant who is not a resident of the State of Georgia.

All students enrolled at Armstrong State College are required to sign the Honor Pledge at the time of their initial registration. For a detailed explanation of the Honor System see the REGULATIONS section of this catalogue.

Specific requirements for admission are discussed below.

## REQUIREMENTS FOR FRESHMAN APPLICANTS

1. Certificate of graduation from an accredited high school (or successful completion of the General Educational Development Test [GED] with no score less than 45).

2. A transcript of the applicant's high school record to be submitted by the high school directly to the College.

3. A minimum of sixteen units of high school credit, including the following specific subjects:

English—4 units

Mathematics—2 units (One unit must be in algebra, although two units of algebra are



desirable. For students entering the engineering or scientific fields, two units of algebra and one of geometry are needed.)

Science—2 units

Social Studies—2 units

Other units sufficient to graduate.

4. Satisfactory scores on the Scholastic Aptitude Test of the College Entrance Examination Board. Official results of this test must be filed with the Admissions Office by the final date for submitting application for the quarter in which the student wishes to enroll.

The Scholastic Aptitude Test is given in all states and numerous foreign countries in November, December, January, March, May, and July. Students wishing to make application to take the test may secure application forms from their secondary school principal or counselor, or by writing directly to the College Entrance Examination Board, Box 592, Princeton, New Jersey 08540, or Box 1025, Berkeley, California 94701, for an application form and the *Bulletin of Information* which is available without charge. Applicants who wish to enroll at the beginning of the Winter Quarter should take the Scholastic Aptitude Test in November.

5. Application fee of \$10 which must accompany the application form. This fee does not bind Armstrong State College to admit the applicant nor does it indicate acceptance of the applicant's qualifications. The fee will not be credited toward the matriculation fee in the event that the applicant is accepted as a student and it will not be refunded in the event that the applicant does not enroll as a student. An applicant who fails to enroll in the quarter for which he is accepted must reapply for admission if he wishes to enter the institution at a later time by resubmission of fee by the date specified.

6. Emergency Surgery or Medication Permit signed by the parents of a student (or the student himself if over 21 years of age) must be returned prior to admission either authorizing or not authorizing the College to take whatever action is deemed necessary in the case of an emergency until the parents can be reached.

7. Physical examinations prior to admission are required for all entering students with the exception of the following: Evening students, special students, transient students, and auditors.

## ADVANCED PLACEMENT

Armstrong State College gives advanced placement, or in some cases college credit, for college level high school courses, on the basis of the high school teacher's recommendation, the student's grade on the Advanced Placement Examination of the CEEB, and approval by the appropriate department chairman of Armstrong State College.

## SUMMER ON TRIAL

A freshman applicant who fails to meet the regular standards for admission may consult the Admissions Officer about requirements for trial admission during the summer quarter.

## REQUIREMENTS FOR TRANSFER APPLICANTS

1. Transfer applicants will follow the same procedures as freshman applicants, except that transfer applicants who will have achieved sophomore standing at the time of their entrance will not be required to submit their high school records. Such records may be required by the Admissions Office but normally the transcripts of previous college records will suffice in place of the high school record. A transfer applicant must ask the Registrar of *each* college he has previously attended to mail an official transcript of his record to the Admissions Office at Armstrong State College, regardless of the transferability of the credits.

2. Transfer applicants with less than sophomore standing (less than 45 quarter hours completed) must meet entrance requirements of both freshman and transfer applicants and will be required to submit their high school records as well as transcripts of college records.

3. A transfer applicant will not be eligible for admission to Armstrong State College unless he is eligible to return to the last college attended on the date he expects to enter Armstrong. A student who is on suspension from another college because of poor scholarship or disciplinary reasons will not be eligible for admission.

4. A transfer applicant will be considered for admission to Armstrong State College if, on *all* work attempted at other institutions, his academic performance as shown by his grade point average is equivalent to the minimum standard required by Armstrong State College students of comparable standing. (See chart under Academic Probation and Dismissal Policy on page 52.)

5. Credit will be given for transfer work in which

the student received a grade of "D" or above with the percentage of "D" and "D+" grades not to exceed twenty (20) per cent of the total hours being transferred. College credit will not be allowed for such courses as remedial English and remedial mathematics or courses basically of secondary school level.

6. Credits earned at an institution which is not a member of the appropriate regional accrediting agency can be accepted on a provisional basis only. A student transferring from an institution which is not a member of the regional accrediting agency must achieve a "C" average on his first fifteen quarter hours of work at Armstrong in order to be eligible to continue. His transfer credits would then be evaluated in certain areas by examination.

7. The amount of credit that Armstrong will allow for work done in another institution within a given period of time may not exceed the normal amount of credit that could have been earned at Armstrong during that time. A maximum of 100 quarter hours may be transferred from a junior college. For a bachelor's degree, 90 quarter hours of junior and senior level work will be required (except in certain approved programs in mathematics, the natural sciences, and music), of which the last 45 quarter hours in courses numbered 200 and above must be taken at Armstrong. At least half of the courses offered in the major field must be taken at Armstrong.

8. Not more than one-fourth of the work counted toward a degree may be taken by correspondence or extension courses. No correspondence courses may be used to meet requirements in the major field or the related field for the bachelor's degree. No correspondence courses may be taken while a student is enrolled at Armstrong State College. Correspondence credit will not be accepted for courses in English composition or foreign language.

#### **SPECIAL STUDENTS**

Applicants who possess a bachelor's degree or its equivalent and who wish to take courses for personal enrichment or advancement may be admitted as special students. Such an applicant will submit the application form and fee and will have official transcripts of his college records mailed to the Admissions Office by the final date for submitting applications for the quarter in which he wishes to enroll.

#### **AUDITORS**

Armstrong State College grants to certain persons who are not regularly admitted students special per-

mission to audit courses. Such applicants will not be required to take the Scholastic Aptitude Test given by the CEEB but must meet all other requirements for admission and pay regular fees. A special form for permission to audit courses may be obtained from the Admissions Office.

### **READMISSION OF FORMER STUDENTS**

A student who has not been enrolled at Armstrong for one or more quarters must apply for readmission on a form provided by the Admissions Office. A former student who has not attended another college since leaving Armstrong may be readmitted provided he is not on suspension at the time he wishes to re-enter. A former student who has attended another college since leaving Armstrong must meet requirements for readmission as a transfer student or as a transient student, whichever is applicable. A student who is readmitted after an absence from the College for more than two years must meet degree requirements as listed in the catalogue in effect at the time of his return.

### **TRANSIENT STUDENTS**

Transient student status means that a student is admitted to Armstrong State College only for a specified period of time, normally a summer quarter, with the understanding that he is to return to his own college for the next quarter. An applicant for transient status must file a regular application form and submit a statement from his Dean or Registrar that he is in good standing and has permission to take specific courses at Armstrong to be transferred to his own institution when satisfactorily completed. Since transient students are not admitted as regular Armstrong students, transcripts of college work completed elsewhere are not usually required of such applicants. A transient student who wishes to remain at Armstrong longer than one quarter must submit an additional statement from his Dean or Registrar or he must meet all requirements for regular admission as a transfer student.

### **ARMSTRONG STATE COLLEGE/HIGH SCHOOL ACCELERATED PROGRAM**

This program marks a new venture for this community in which college and high school join to challenge intellectually able young men and women to test their interests and their capacity to learn.

#### **The Program**

High school students who have completed the eleventh grade, who have met the criteria for admis-

sion to the program and who maintain its standards will be permitted to enroll in one course each quarter at Armstrong State College while they complete the senior year of high school. Upon graduation from high school, these students will be admitted upon application as regular students of the College and will be given full college credit for the courses taken at Armstrong.

Through this program, a student may complete over two-thirds of the freshman year of college before he begins his regular college career.

The maximum number of college courses possible is:

Summer .....	1 course ( 5 qtr. hours)
Fall .....	1 course ( 5 qtr. hours)
Winter .....	1 course ( 5 qtr. hours)
Spring .....	1 course ( 5 qtr. hours)
Summer (following high school gradu- ation and admission to Armstrong) .....	3 courses (15 qtr. hours)
	—
	7 courses (35 qtr. hours)

### The College Courses

Every student accepted in this program must take a course in English or mathematics first. Thereafter he may choose any freshman course, with permission of his college adviser.

### Criteria of Admission

The College will consider a student for this program only upon written recommendation of his high school principal. In the view of the College, it is only the principal who can judge the circumstances that may make the program valuable and practicable for any student.

To be admitted to the program a student must satisfy all of these criteria:

1. written recommendation by the Principal of the high school;
2. completion of the eleventh grade in an accredited high school;
3. a combined verbal and math score of 1000 on CEEB tests;
4. an average grade of B or better in academic subjects (English, mathematics, science, social studies, language) through the ninth, tenth and eleventh grades as averaged by the Armstrong State College Admissions Officer.
5. written permission of the parents.

## **Standards**

A student forfeits the privilege of this program if in any quarter his grade in the college course is below C or his high school average in academic courses is below B.

## **Procedure for Admission**

A high school principal may recommend students following the fifth six-week period of the students' eleventh year. The recommendation to the College must be made by May 15th if the student intends to begin in the summer. The principal may recommend following the full eleventh year by August 15th if the student intends to begin in the fall.

## **FOREIGN STUDENTS**

A student from a country other than the United States who is interested in attending Armstrong must meet the following requirements before application is made:

1. He must have met the requirements of paragraph 3, under REQUIREMENTS FOR FRESHMAN APPLICANTS, in regard to units in the subjects required at Armstrong.
2. He must have an official transcript of his academic record mailed to the Admissions Office at Armstrong with an official translation.
3. He should take the SAT of the College Entrance Examination Board in the testing center nearest his home and ask that the results be sent to Armstrong.

If the applicant meets the academic requirements for admission, he will be sent an application form. After it has been returned and approved, the applicant will be sent an I-20 Form (I-20A and I-10B), which he can then take to the American Consul to ask for a student visa.

No scholarships are available for students who are not legal residents of Georgia. All foreign students must pay non-resident fees.

## **ADMISSION OF VETERANS**

After having been accepted at Armstrong State College and upon receipt of Certification of Eligibility and Entitlement from the Veterans Administration, veterans may attend under Public Law 358 (Veterans Readjustment Benefits Act of 1966), Public Law 815 (disabled), Public Law 894 (disabled), Public Law 634 (war orphans), or Public Law 361 (children of permanently disabled veterans). Students under Pub-

lic Law 358, 361, or 634 should be prepared to pay tuition and fees at the time of registration.

### **APPLICANTS SPONSORED BY VOCATIONAL REHABILITATION**

Those applicants sponsored by Vocational Rehabilitation or other community agencies must apply at least six (6) weeks before the beginning of any quarter to insure proper processing of application.

### **FINANCIAL AID**

(See STUDENT SERVICES AND ACTIVITIES section of this Bulletin for further information.)

### **REGISTRATION AND ORIENTATION**

Prior to the Fall Quarter a period of orientation is set aside to assist new students in becoming acquainted with the College, its curriculum, extra-curricular activities, student leaders, counselors, members of the faculty and the administration. Complete instructions concerning registration are made available to all students at the beginning of the registration period. Registration includes counseling, academic advisement, selection of courses, enrollment in classes, and payment of fees. Full details regarding orientation and registration are provided to all incoming students during the summer preceding their initial enrollment.

### **RESIDENCY REQUIREMENTS OF THE BOARD OF REGENTS**

To be considered a **legal** resident of Georgia, the applicant must establish the following facts to the satisfaction of the Registrar.

1. A student who is under 21 years of age at the time he seeks to register or re-register at the beginning of any quarter will be accepted as a resident student only upon a showing by him that his supporting parent or guardian has been legally domiciled in Georgia for a period of at least twelve months immediately preceding the date of registration or re-registration.
2. In the event that a legal resident of Georgia is appointed as guardian of a non-resident minor, such minor will not be permitted to register as a resident student until the expiration of one year from the date of appointment, and then only upon proper showing that such appointment was not made to avoid payment of the non-resident fee.
3. If a student is over 21 years of age, he may register as a resident student only upon a show-

ing that he has been domiciled in Georgia for at least twelve months prior to the registration date.

Any period of time during which a person is enrolled as a student in any educational institution in Georgia may not be counted as a part of the twelve months' domicile and residence herein required when it appears that the student came into the State and remained in the State for the primary purpose of attending a school or college.

4. A full-time faculty member of the University System, his or her spouse, and minor children may register on the payment of resident fees, even though the faculty member has not been a resident in Georgia for twelve months.
5. If the parents or legal guardian of a minor change residence to another state following a period of residence in Georgia, the minor may continue to take courses for a period of twelve consecutive months on the payment of resident fees. After the expiration of the twelve months' period the student may continue his registration only upon the payment of fees at the non-resident rate.
6. Military personnel and their dependents may become eligible to enroll in institutions of the University System as resident students provided they file with the institution in which they wish to enroll the following:
  - a. A statement from the appropriate military official showing that the applicant's "home of record" is the State of Georgia; and
  - b. Evidence that applicant is eligible to vote in Georgia; or
  - c. Evidence that applicant, if under 18 years of age, is the child of parents who are registered to vote in Georgia; and
  - d. Evidence that applicant or his supporting parent or guardian filed a Georgia State income tax return during the preceding year.
7. All aliens shall be classified as non-resident students; provided, however, that an alien who is living in this country under a visa permitting permanent residence or who has filed with the proper federal immigration authorities a Declaration of Intention to become a citizen of



the United States shall have the same privilege of qualifying for resident status for fee purposes as has a citizen of the United States.

8. Teachers in the public schools of Georgia and their dependents may enroll as students in University System institutions on payment of resident fees, when it appears that such teachers have resided in Georgia for nine months, that they were engaged in teaching during such nine months' period, and that they have been employed to teach in Georgia during the ensuing school year.
9. If a woman who is a resident of Georgia and who is a student in an institution of the University System marries a non-resident of the State, she may continue to be eligible to attend the institution on payment of resident fees, provided that her enrollment is continuous.
10. If a woman who is a non-resident of Georgia marries a man who is a resident of Georgia, she will not be eligible to register as a resident student in a University System institution until she has been domiciled in the State of Georgia for a period of twelve months immediately preceding the date of registration.

# Admission to the Associate in Arts Degree in Nursing

## PROGRAM IN NURSING

Nursing calls for a variety of skills and aptitudes and offers unlimited opportunities for different kinds of service. Therefore, a candidate for the nursing program should have good physical and mental health as well as those personal qualifications appropriate for nursing. For these reasons the Admissions Committee selects students whose abilities, interests, and personal qualities show promise of success in the program and in the field of nursing. Factors influencing the decision of the Admissions Committee are: achievement as shown on the secondary school record, ability as measured by the Scholastic Aptitude Test, motivation for nursing, health, personal qualities, and social adjustment. Applicants who, in the judgment of the Admissions Committee, present high overall qualifications are selected. Since applications are processed as received, applicants are encouraged to apply early in the senior year of high school or as early in the year preceding admission as possible. Application forms are available from the Admissions Officer of the College.

The preferred age for applicants, married or single, at the time of entrance is 18. The upper age limit is 40 years. Applicants who have not reached their 18th birthday but who can show evidence that they will reach their 20th birthday by the date they are scheduled to complete the program will be considered. The State of Georgia requires, as do most other states, United States citizenship, either natural born or naturalized, for registered nurse licensure. Candidates for admission to the nursing program who are not citizens may be admitted only under certain circumstances and should make individual inquiries.

### How to Apply

1. Complete the application form for admission to Armstrong State College and return it with the non-refundable \$10 application fee. Mark the application *For Nursing Only*.
2. Complete the Personal Data Sheet for the Department of Nursing.
3. Have the medical form completed by a licensed physician.
4. Have the dental form completed by a dentist.
5. Take the National League for Nursing Aptitude Test on one of the dates scheduled on campus.

Applications for the National League for Nursing Aptitude Test may be obtained from the Department of Nursing at Armstrong State College or from the Director of Admissions at Armstrong State College.

6. Take the Scholastic Aptitude Test given by the College Entrance Examination Board as early in the year as possible. When applying for the test, be certain to list Armstrong State College as one college to receive your scores.
7. Have a transcript of your high school record mailed from the high school directly to the Admissions Office at Armstrong. (A transfer student should also ask the Registrar of *each* school or college she/he has previously attended to mail an official transcript of her/his record to the Admissions Office at Armstrong, regardless of the transferability of the credits.)
8. Send or have sent, two written letters of reference, directly to the Admissions Office, from non-family members (teachers, employers, or other qualified persons) who have known you for at least three years.
9. Send or have sent to the Admissions Office a certified copy of your birth certificate.

#### OTHER INFORMATION

1. It is recommended that applicants who have been away from school for a considerable period of time enroll in at least one course in an accredited college of their choice during the school year or summer preceding their planned entrance to the nursing program.
2. Except in unusual circumstances, no credit will be given for nursing courses taken in another school of nursing.
3. An applicant on academic suspension or probation from another college will not be considered.
4. Nursing students are responsible for providing their own transportation to and from campus to the clinical area. (i.e. community hospitals and other health agencies).
5. Armstrong State College does not provide student housing. It is necessary for the students whose homes are not located in Savannah to make private arrangements for living accommodations. The responsibility for procuring suitable Housing rests with the student and her/his parents. Effective September, 1968,

private apartments will be available adjacent to the campus.

6. Students are required to wear the official student uniform of the Department of Nursing. Uniforms will be ordered during the Winter Quarter and may be purchased from the College Bookstore.
7. Fees for a nursing student will be the same as for any other student at Armstrong. Please refer to the fee section of the current *Bulletin*.
8. Nursing students are admitted once each year in the fall. Seven consecutive quarters of full-time study are required for completion of the program.
9. All nursing courses must be taken in sequence. Each nursing course has a pre-requisite beginning with Fundamentals of Nursing.
10. All students must take the National League for Nursing Pre-Nursing Aptitude and Guidance Examination.
11. Students accepted for the nursing program will be sent information on supplies and equipment needed for the Fall Quarter approximately two weeks before the opening of school with approximate charges.
12. Admission into Armstrong State College does not in any way guarantee formal admission into the Department of Nursing. This will be accomplished after one quarter in the nursing program in which a "C" average (2.0) must be attained.

## Admission to the Associate in Science Degree in Dental Hygiene

### Second to None in Desirability as a Career

The profession of Dental Hygiene is an ideal career for young women interested in science and health services. The growing and constant demand for graduate Dental Hygienists assures a young woman of regular hours and good compensation.

A dental hygienist works under the general supervision of a dentist and performs a number of dental functions. Her activities usually include performing oral prophylaxis (cleaning of the teeth), instructing patients in dental health, taking, developing and mounting dental x-rays, applying fluorides and sometimes

assisting the dentist in chairside and laboratory duties.

There are certain personal qualifications which are essential for a successful dental hygienist. These are good health, neat appearance, high moral character, a desire to be of service to others, and the ability to get along well with people.

The Armstrong State College program consists of seven quarters of full time study. (Two academic years and the intervening summer). Applicants are matriculated once each year, in September.

There are no definite age requirements or restrictions for the basic Dental Hygiene program. However, all applicants must be graduates of an accredited high school or its equivalent. Students may be either married or single and must be citizens of the United States, either natural born or naturalized.

Applicants must meet the admission requirements for Armstrong State College and the School of Dental Hygiene.

The major part of an applicant's secondary school work should be in the college preparatory program and should include two years of mathematics. Because of the heavy emphasis on science in the dental hygiene curriculum, it is important that applicants have a good foundation in chemistry and biology. The quality of the candidate's work in high school English and social studies is most important in evaluating her total qualifications for admission to the Dental Hygiene program. Other factors which influence the decision of the Dental Hygiene admissions committee are: a "C" or better average in high school, an acceptable score (composite — verbal and mathematical) on the Scholastic Aptitude Test given by the College Entrance Examination Board, and an average of 4 on the Dental Hygiene Aptitude Test.

## HOW TO APPLY

1. Complete the application form for admission to Armstrong State College and return it with the non-refundable \$10 application fee. Mark the application *For Dental Hygiene Only*.
2. Complete the Personal Data Sheet for the Department of Dental Hygiene.
3. Have the medical form completed by a physician.
4. Have the dental form completed by a dentist.
5. Take the Dental Hygiene Aptitude Test on one of the three dates scheduled on campus. Applications for the Dental Hygiene Aptitude

Test may be obtained from the Department of Dental Hygiene at Armstrong State College or from the Director of Admissions at Armstrong State College.

6. Take the Scholastic Aptitude Test given by the College Entrance Examination Board as early in the year as possible. When applying for the test be certain to list Armstrong State College as one college to receive your scores.
7. Have a transcript of your high school record mailed from the high school directly to the Admissions Office at Armstrong. (A transfer student should also ask the Registrar of *each* school or college she has previously attended to mail an official transcript of her record to the Admissions Office at Armstrong, regardless of the transferability of the credits).

#### OTHER INFORMATION

1. It is recommended that applicants who have been away from school for a considerable period of time enroll in at least one course in an accredited college of their choice during the school year or summer preceding their planned entrance to the Dental Hygiene program.
2. For the Associate in Science Degree no credit will be given for Dental Hygiene courses taken in another School of Dental Hygiene.
3. An applicant on academic suspension or probation from another college will not be considered.
4. Dental Hygiene students are responsible for providing their own transportation to and from campus and to community agencies when assigned for field experiences.
5. Armstrong State College does not provide student housing. It is necessary for the students whose homes are not located in Savannah to make private arrangements for living accommodations. The responsibility for procuring suitable housing rests with the student and her parents. Effective September, 1968, private apartments will be available adjacent to the campus.
6. Students are required to wear the official student uniform of the Department of Dental Hygiene. Uniforms will be ordered during the Winter Quarter and may be purchased from the College Bookstore.

7. Fees for Dental Hygiene Students will be the same as for any other student at Armstrong. Please refer to the Fee Section of the current *Bulletin*.
8. Dental Hygiene students are admitted once each year in the Fall. Seven consecutive quarters of full-time study are required for completion of the program.
9. All Dental Hygiene clinical courses must be taken in sequence. Each Dental Hygiene course has a prerequisite beginning with Dental Hygiene 101.
10. All students must take the Dental Hygiene Aptitude Test to be considered for admission.
11. Students accepted for the Dental Hygiene program will be sent information on supplies and equipment needed for the Fall Quarter approximately two weeks before the opening of school with approximate charges.
12. Admission into Armstrong State College does not in any way guarantee formal admission into the Department of Dental Hygiene. This will be accomplished after one quarter in the Dental Hygiene program in which a "C" average (2.0) must be attained.

## Admission to the Associate in Arts Degree Program in Police Administration

An Applicant must present:

1. evidence of high school graduation (or equivalent) as shown by the high school transcript or General Educational Development credit (USAFI credits or credits earned through his school correspondence courses are not accepted);
2. transcripts from all previous colleges attended;
3. a letter of recommendation from high school principal, teacher, or counselor, and a letter from the chief law enforcement officer in your community.

The applicant must be approved by the faculty of the Department of Police Administration.





## 4/FEES

### **APPLICATION FEE**

The Application Fee of \$10.00 is paid by all students at the time of initial application for admission to Armstrong State College. The acceptance of the Application Fee does not constitute acceptance of student. This fee is not refundable.

### **MATRICULATION FEE**

The Matriculation Fee for students registering for the normal course load of fifteen hours is \$85.00. Students carrying less than 12 credit hours in a quarter will pay at the rate of \$7.00 per quarter hour in Matriculation Fee.

### **OUT OF STATE TUITION**

Non-residents of Georgia must pay a fee of \$110.00 per quarter in addition to all regular fees. Students carrying less than 12 credit hours in a quarter who are not legal residents of the State of Georgia will pay at the rate of \$9.00 per quarter hour Out-of-State Fee in addition to all regular fees.

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### **STUDENT ACTIVITY FEE**

There will be a Student Activity Fee of \$12.00 per quarter for students registering for a course load of twelve or more quarter hours. Students carrying less than twelve credit hours in a quarter will pay at the rate of \$1.00 per quarter hour. This fee is not refundable.

### **LATE REGISTRATION FEE**

A late registration fee of \$4.00 will be charged to students registering on the date listed in the catalog as the date on which classes begin. A fee of \$5.00 will be charged for registrations completed on the date listed in the catalog as the "last day to register for credit."

### **CHANGE OF SCHEDULE FEE**

A fee of \$2.00 is charged for the changing of a student's schedule after the registration cards have been processed. No charge is made if the change is initiated by the College. This fee is not refundable.

## **GRADUATION FEE**

A Graduation Fee for four-year programs of \$10.00 will be collected from each candidate to cover all expenses including the rental of cap and gown and the cost of the diploma. The fee for Certificate for Associate in Arts Degree is \$3.50.

## **TRANSCRIPT FEE**

Each student is entitled to one official transcript of his college work. The charge for additional copies is \$1.00 each.

## **MUSIC FEES**

Students enrolled in Applied Music Courses will be required to pay a special fee in addition to the regular registration and matriculation fees. The fees are indicated in the description of courses found under "Course Descriptions" elsewhere in this bulletin and are not refundable.

## **MAKE-UP TEST FEE**

For cause, a student may arrange with an instructor to make up an announced quiz or final examination. The arrangements to make up the announced test must be made within one week after the student returns to college.

A fee of \$2.00 is charged for the making up of any announced quiz and a fee of \$5.00 for a make-up final examination and laboratory examinations, except as shown below. The total charges to any one student for a final make-up examination in a given subject shall not exceed \$5.00. All fees will be paid to the Business Office.

The conditions under which fees for make-up quizzes and final examinations will not be charged are as follows: The student was absent (1) on official college business; (2) due to illness; (3) because of death in the family; or (4) in observing religious holidays.

The student's reasons for claiming exemption from paying the fee must be presented in writing to the instructor.

## **SHORT COURSES**

Fees are announced for each course when the course is announced. No refund can be made for withdrawal from a course.

## SUMMARY OF FEES

Matriculation per quarter.....	\$ 85.00
Student Activity, per quarter.....	12.00
TOTAL FOR GEORGIA RESIDENTS.....	\$ 97.00
Out of State Tuition, per quarter.....	110.00
TOTAL FOR NON-RESIDENTS.....	\$207.00
Matriculation, Part-time Students, per quarter hour.....	7.00
Student Activity Fee, Part-time Students, per quarter hour.....	1.00
Non-Resident Tuition, Part-time Students, per quarter hour (in addition to Matriculation Fee).....	9.00

## PRIVILEGE FEES

Application Fee.....	\$ 10.00
Late Registration—Maximum.....	5.00
Special Examinations.....	2.00
Final Examinations.....	5.00
Graduation in four-year programs.....	10.00
Associate in Arts Certificate.....	3.50
Transcript, first one free, each additional.....	1.00
Change of Schedule.....	2.00

## REFUNDS

Refunds of fees will be made only upon written application for withdrawal from school. No refunds will be made to students dropping a course. Students who formally withdraw during one week following the scheduled registration date are entitled to a refund of 80% of the fees paid for that quarter. Students who formally withdraw during the period between one and two weeks after the scheduled registration date are entitled to a refund of 60% of the fees paid for that quarter. Students who formally withdraw between two and three weeks after the scheduled registration date are entitled to a refund of 40% of the fees paid for that quarter. Students who formally withdraw during the period between three and four weeks after the scheduled registration date are entitled to a refund of 20% of the fees paid for that quarter. Students who withdraw after a period of four weeks has elapsed from the scheduled registration date will be entitled to no refund of any part of the fees paid for that quarter.

*Fees and Charges are Subject to Change at the End of any Quarter*

Any student delinquent in the payment of any fee due the college will have grade reports and transcripts of records held up, and will not be allowed to re-register at the college for a new quarter until the delinquency has been removed.

Fees for each quarter are to be paid in full at the time of registration.

If a check is not paid on presentation to the bank on which it is drawn, the student's registration will be cancelled and the student may re-register only on payment of a \$5.00 service charge.



# 5/ACADEMIC REGULATIONS

## HONOR SYSTEM

The Honor System at Armstrong State College provides all members of the student body with an opportunity to participate in self government. The accompanying responsibilities are outlined below.

The Honor System, written by a joint committee of faculty and students, received an overwhelming endorsement by both faculty and students during the Winter Quarter, 1965.

The ordinances of the Honor System are as follows:

- I. All students must agree to abide by the rules and regulations of the Honor System. A student shall not be accepted at Armstrong State College unless he signs the following statement at the time of his first registration:

"I have read the regulations governing the Honor System at Armstrong State College, and I understand that as a student at Armstrong, I must comply with all of these requirements."

This statement and all rules and regulations governing the Honor System shall be printed in the official Bulletin and the Student Handbook. The statement shall also be printed on the application form for admission to be signed by the student before admission to the College. It will be the responsibility of the Honor Council to conduct an extensive orientation program at the beginning of each quarter for all newly entering students to explain fully the requirements of the Honor System and to allow full discussion of these regulations.

- II. The following shall be considered violations of the Honor Code:
  - A. Academic dishonesty of any kind (giving or receiving any unauthorized help on any assignment, test or paper. At the beginning of each quarter it shall be the responsibility of each teacher to make clear what shall be considered unauthorized help in his course).
  - B. Stealing only when related to cheating.

C. Lying before the Honor Council.

D. Failure to report a known offense. (Lying or stealing in any other cases will be considered disciplinary, not Honor, matters.)

III. Ways of reporting a violation of the Honor Code:

A. Self-reporting: A student who has broken the Honor Code should report himself to a member of the Honor Council.

B. Anyone (faculty member or student) who is aware of a violation of the Honor Code must report the matter. This may be done in one of two ways:

1. He may tell the person thought to be guilty to report himself to a member of the Honor Council no later than the end of the next school day. After this designated time the person who is aware of the violation must inform a member of the Honor Council so that the Honor Council may contact the accused person if he has not already reported himself.

2. He may report the suspected violation directly to a member of the Honor Council without informing the accused.

IV. The Honor Council will be composed of nine students.

A. Selection shall be made by the President, Vice-President and Secretary of the Student Body, the President and Secretary of the Honor Council, together with three faculty members appointed by the President of the College. Selection shall be based on the following requirements:

1. High moral principles and unquestioned academic integrity in all their relations to fellow students, faculty, and administrative officials.

2. A minimum of C+ for the preceding quarter and an over-all average of C+.

Any student not in good standing with the college in academic or disciplinary matters is ineligible to serve on the Honor Council. Any member of the Honor Council who falls below these requirements will be ineligible to continue his term of service. A replace-

ment will not be selected, however, unless the total number of students on the Honor Council falls below seven.

- B. The selection committee shall submit a questionnaire to those students who meet these requirements. On the basis of the questionnaires the committee has the power to appoint three seniors, three juniors, and three sophomores to serve on the Honor Council. At least three committee members shall be women and at least three shall be men. This distribution may be altered when deemed best by the selection committee. The appointments shall be made by the second Tuesday in March, and the Council shall assume its duties on April 1.
  - C. The Honor Council shall elect one of its members to serve as President and one as Secretary. The President shall preside at all meetings and trials, and the Secretary shall maintain a written record of all proceedings.
  - D. During summer school, any member of the Honor Council who is attending summer classes will serve on the Council for the summer together with other students appointed by the Council and the Dean of Student Affairs.
- V. The Honor Council shall formulate its own by-laws and procedure.
- A. An Honor Council meeting shall be called by the President of the Council to examine a reported violation as soon as possible after such a report. When possible the meeting of the Council will be held within a week of the violation.
  - B. At the meeting the Honor Council will hear the accusation, the testimony of any witnesses, and any defense the accused may wish to present.
  - C. The accused will have the right to hear all witnesses and all evidence brought before the Honor Council.
  - D. Written notification of the specific charges which, if approved, shall be made grounds for suspension or dismissal from a class.
  - E. The accused will be considered innocent until proved guilty.

- F. Every trial shall be conducted by a Council of at least seven members, including the President. In the absence of the President, the senior justice shall preside.
  - G. The Secretary will keep minutes of all meetings. All official testimony will be tape recorded, provided that the recording devices are under the control of the Council.
  - H. A vote of two-thirds majority of the members of the Honor Council present and voting will be necessary for the conviction of the accused. The Council, in the event of a verdict of guilty, shall determine the penalty by majority vote.
  - I. The vote will be taken by secret ballot.
- VI. Post-trial Procedure.

- A. Immediately upon conclusion of the trial, the accused shall be notified of the findings and of the recommendation that the Council will make to the President of the College.
- B. If the accused is found innocent, he shall be notified of the finding and cautioned that the trial may be re-opened for good cause by the Council within a period of three weeks or at the request of the professor in whose course the alleged violation occurred.
- C. If a person is found guilty, the Honor Council will recommend to the President of Armstrong State College one of the following:
  - 1. Expulsion from the class and denial of credit in the course in which the violation occurred and denial of the position of any elective office.
  - 2. Suspension from school for any number of quarters (the minimum suspension will be for the remainder of the quarter in which the violation occurs.)
  - 3. Expulsion from school.

In cases where the accused is found guilty, the Honor Council will report in writing its recommendations to the President of the College who will make the final decision. After the President of the College has decided on the action to be taken, he will inform, in writing, the accused, the professor of the class in which the violation occurred, and the accuser of his decision. The secretary of the Honor Council will then post an official notice on the bulletin



boards announcing his action without mentioning the name of the accused.

- VII. Although the College feels that the above three recommendations are appropriate for academic dishonesty, it also recognizes that unique circumstances may arise. For such cases a series of appeals is open to the convicted student. He may appeal either the conviction or the punishment or both in the following ways:
- A. To the President of Armstrong State College in a letter.
  - B. The President's decision may be appealed to the Chancellor of the University System of Georgia in a letter.
  - C. The Chancellor's decision may be appealed to the Board of Regents of the University System of Georgia in a letter.
- VIII. Each student will be required to write on every written assignment, test, or paper a pledge that he has neither given nor received any unauthorized help on this work. This may be done by writing the word "Pledged" followed by the student's signature.
- IX. The Honor System is dependent upon student cooperation and support. It is felt that every student wishes the credit for his work to be unquestioned and the college he has chosen to be respected.
- X. A revision of the Honor System will require a majority vote of the faculty and of the student body.

### ACADEMIC ADVISEMENT

Every student who enters Armstrong State College indicates at the time he applies for admission what major program he hopes to follow toward a degree, either at Armstrong or at another college.

If the student has not yet decided upon a choice for his major program, he may attend several advising sessions during the orientation period. In fact, it is not necessary in many major programs for the Bachelor of Arts degree to make a clear choice until the end of the sophomore year. If a student waits one or two years to choose a major program leading to a Bachelor of Science degree, he will probably find that he must take additional courses to meet graduation requirements. For a student attempting to choose a major field during his first two years, the Office of the Dean of Students Affairs offers

counselling helps, and faculty members are happy to discuss aspects of their field.

During Orientation Week and before registration all new entering students, both freshmen and transfer students, will meet with the faculty adviser for the major program they have indicated. The adviser will guide them at this time in mapping out a schedule for the first two years. The student is then responsible for taking the courses required for his program, as outlined in the college Bulletin, in the proper sequence, during his freshman and sophomore years. If the student has questions concerning the courses required or the proper scheduling of them during these first two years, he should see the faculty adviser assigned by his major department to confer with students during the pre-advisement period scheduled in the college calendar. Since the student is responsible for fulfilling the requirements of his program, he does not need the written approval of a faculty adviser in order to register for courses each quarter.\*

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During the third quarter of his sophomore year, a student hoping to pursue a four-year major program should take to the faculty adviser assigned by his major department a list of the courses he has completed with grades. Having satisfactorily completed the requirements for the first two years of his major program, he will then be admitted formally to the third year of the major program and guided by the departmental adviser in mapping out his curriculum for the last two years. During the six quarters of his junior and senior years the student must have his course selection approved in writing by the departmental adviser each quarter before registration. The proper time for this is during the pre-advisement period listed in the college calendar. During these last two years, the adviser will keep a record of the courses the student takes and the grades he makes, and during the fall quarter of the senior year, the adviser will signify to the Registrar whether the student has completed all requirements for graduation in that major program up to that time, and is therefore recommended for graduation.

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\*However, a student must be extremely careful to observe all regulations for admission to courses, such as the requirement of other prerequisite courses, sometimes with a specified grade. Credit for a course is invalid unless all its prerequisite requirements are observed.

## RELATING TO DEGREE REQUIREMENTS

1. Each student is responsible for fulfilling the requirements of the degree program which he has chosen, in accordance with the regulations of the college catalogue.
2. Exceptions to course requirements for a degree are permitted only by the written approval of the Dean of the College upon the recommendation of the department head.
3. A student will graduate under any catalogue in effect from his time of entrance to the college. However, after an absence from Armstrong State College of two or more consecutive years, a student must meet the requirements of a catalogue in effect after his return.
4. Not more than one-fourth of the work counted toward a degree may consist of courses taken by correspondence or extension. No correspondence courses may be used to meet the requirements in the major field or related fields for the Bachelor's degree or for English composition or foreign language. No correspondence courses may be taken while a student is enrolled.
5. By state law one of the requirements for a diploma or certificate from schools supported by the State of Georgia is a demonstration of proficiency in United States history and government and in Georgia history and government. A student at Armstrong State College may demonstrate such proficiency by passing
  - 1) Political Science 113 *and* History 251 or History 252,
  - or 2) A two hour examination in United States and Georgia history and government.
6. For a Bachelor's degree, a student must earn at Armstrong State College the last 45 quarter hours of credit before graduation in quarter hour credits numbered 200 or above. At least half of the courses required in the major field must be taken at Armstrong State College.
7. There must be a grade point average of 2.0 or better on each of the following:
  - a. on all work taken at Armstrong,
  - b. on all courses in major field.
8. Before a degree will be conferred upon a student by Armstrong State College, all fees must

have been paid, and the Registrar must have been notified in writing at least by the end of the preceding fall quarter of his intention to graduate. A candidate for a degree, unless excused in writing by the President, Dean of the College, or Dean of Student Affairs, must attend the graduation exercises at which a degree is to be conferred upon him.

### **COURSE AND STUDY LOAD**

The normal course load for full-time students is 15 quarter hours (and a course in physical education during the freshman and sophomore years). An average student should devote at least thirty hours each week, in addition, to course preparation.

The maximum course load for a student who works full-time is 11 quarter hours. A working student should plan about ten hours preparation for each 5 quarter hour course.

Permission to enroll for more than 17 quarter hours will be granted by the Registrar to a student

- a) with an average grade of "B" for the preceding quarter, or
- b) in an engineering program, or
- c) requiring an extra course in one of the two quarters prior to graduation.

No student will be allowed to register for more than 21 quarter hours in any one quarter.

Exceptions to these limitations may be made only by the Dean of the College.

Every student enrolled for 15 quarter hours or more must take at least one academic course (or a science laboratory section) in the afternoon. (If a student plans to work part-time, he should arrange his working hours after he registers for courses.)

### **REPORTS AND GRADES**

It is felt by the faculty that students in college should be held accountable for their scholarship. Accordingly, grade reports, warnings of deficient scholarship and all such notices are not sent to parents or guardians by the Registrar except on request. Instead the students themselves receive these reports and are expected to contact their advisers whenever their work is unsatisfactory. Report cards are issued at the end of each quarter. Reports of unsatisfactory grades are issued in the middle of each quarter. Each student has access to an adviser; in addition, the Registrar and all instructors are available to help any student seeking assistance.

Reports are based on the following system of grading:

	Numerical Span	Honor Points
A+	95 - 100	4.5
A	90 - 94	4
B+	85 - 89	3.5
B	80 - 84	3
C+	75 - 79	2.5
C	70 - 74	2
D+	65 - 69	1.5
D	60 - 64	1
F	Below 60	0
I	Incomplete	
W	Withdrew with no grade	
WF	Withdrew failing	
NC	No credit	

A student who receives an "I" (incomplete grade) should consult his instructor at once and arrange to complete the requirements of the course. An "I" grade which has not been removed by the middle of the succeeding quarter automatically becomes an "F".

## HONORS

*Dean List:* Students enrolled for at least five quarter hours of course work who earn an honor point average of at least 3.5 will be placed on the Dean's List, which is published quarterly.

*Cum Laude:* Those students graduating with an honor point average of 3.2 through 3.5 will be graduated *cum laude*.

*Magna Cum Laude:* Those students graduating with an honor point average of 3.6 through 3.9 will be graduated *magna cum laude*.

*Summa Cum Laude:* Those students graduating with an honor point average of 4.0 through 4.5 will be graduated *summa cum laude*.

All work attempted at Armstrong and other institutions will be considered in computing honors for graduation.

## ATTENDANCE

The control of student attendance at class meetings and the effect of a student's attendance on his grades in a course is left entirely to the discretion of the instructor.

A student is responsible for knowing everything that is announced, discussed, or lectured upon in class as well as for mastering all assigned reading; he is also responsible for turning in on time all assignments and tests, including recitation and unannounced quiz-

zes. The best way to meet these responsibilities is to attend classes regularly. An instructor may drop a student from any class with a grade of "WF" if he thinks that excessive absence prevents that student from satisfactorily fulfilling his responsibilities. If such excessive absence is the result of prolonged illness, death in the family, college business, or religious holidays, the withdrawal grade will be either "W" or "WF" depending on the student's status at the time he was dropped. Each instructor will be responsible for informing his classes on their meeting what constitutes excessive absence in the particular class. Each student is responsible for knowing the attendance regulation in his class and for complying with it.



## PHYSICAL EDUCATION PROGRAM

All Students who are enrolled for ten quarter hours or more on the day schedule are required to complete six physical education courses, one in each quarter of the freshman and sophomore years (111, 112, 113 in the freshman year).

A student graduating with an Associate in Arts Degree in less than six quarters must take one course in each quarter of his freshman and sophomore years.

Students enrolled in the Associate in Arts Degree program in nursing are required to complete three physical education courses.

A student who has completed at least six months of

military service is required to take only four courses of physical education, which he may choose from all scheduled offerings, during his freshman and sophomore years.

Physical education is not required of anyone beyond the age of 25, or of anyone enrolled primarily in evening classes.

The department requires all students to make up excused absences; unexcused absences lower the final grade.

### ACADEMIC PROBATION AND DISMISSAL

A student failing to maintain the gradepoint average indicated for quarter hours attempted will be placed on academic probation:

Quarter Hours Attempted at Armstrong and Elsewhere	Required Cumulative GPA*
0-15	1.3
16-30	1.4
31-45	1.5
46-60	1.6
61-75	1.7
76-90	1.8
91-105	1.9
106-120	1.9
121-135 and over	2.0

A student on academic probation must (1) at the completion of the next 15 quarter hours, achieve the cumulative grade-point average required for quarter hours attempted, or (2) at the completion of the next 15 quarter hours, achieve at least a "C" average for these 15 quarter hours and for each successive 15 quarter hours attempted until he achieves the cumulative gradepoint average required in the table above. (A grade of "I" (incomplete) will be considered an "F" until it is removed.)

Failing to meet either of these requirements for academic probation, a student will be dismissed from the college for one quarter. A third such academic dismissal will be final.

A student re-entering the college after academic dismissal is placed on probation and must meet the requirement listed above.

The academic status of students who have attended other institutions will be determined by using only work attempted at Armstrong State College in

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\*When a course is repeated, the grade last received replaces all previous grades in this course.

computing the grade point average. The minimum grade point average required of such students must correspond to the total quarter hours attempted at Armstrong and elsewhere as presented in the chart above. Any student whose grade point average drops below these minimums will be placed on academic probation.

A student dismissed for academic reasons may appeal by letter to the President, who will refer the appeal to the Committee on Academic Standing. Such a letter of a appeal should state the nature of any extenuating circumstances relating to the academic deficiency; the letter must be received by the President no later than 9 a.m. of registration day.

### **DROPPING COURSES**

A student desiring to drop a course after the quarter has begun must obtain a Drop-Add Notice in the Student Personnel Office. The notice must be signed by the instructor of the course being dropped and returned to the Registrar's office.

A student who drops a course not more than seven school days after the class begin will receive the grade of "W". A student who drops a course after the first seven school days and before the last eight school days will receive a grade of "W" or "W/F", depending on his status when he dropped. A student may not voluntarily drop a course during the last eight school days of a quarter.

### **WITHDRAWING FROM COLLEGE**

Any student who finds it necessary to withdraw from college must begin the process in the Student Personnel Office. A formal withdrawal is required to insure that the student is eligible to return to Armstrong State College at a future date. Any refund to which a student is entitled will be considered from the date which appears on the withdrawal form.

### **AUDITING**

A regular student wishing to "audit" a course without receiving credit must obtain the written permission of the instructor before he registers for the course. (Policy for some courses forbids "auditing") An "auditor" cannot change to regular credit status after the first week of class. A student may not change from credit status to audit status after the first seven class meetings. A student who registers for a course as an "auditor" receives no credit, "N.C.", on his transcript. Regular schedules of fees apply to auditors.



# 6/STUDENT SERVICES, ACTIVITIES

The Division of Student Affairs, administered by the Dean of Student Affairs, is responsible for all student services and activities. In addition to formal classroom instruction, the College recognizes the need for providing programs and services which contribute to a well-rounded college experience. Such programs are administered by the Division of Student Affairs through the following individuals: Registrar, Admissions Officer, Counselors, Director of Financial Aid, Director of Student Activities, and the Campus Nurse.

## ACADEMIC ADVISEMENT

Before and during registration, members of the faculty are available to students for assistance in the selection of course work and in the scheduling of classes. Information concerning degree requirements and college regulations is provided and topics of general academic interest may be discussed.

By the end of the sophomore year, students are required to designate a major field and are assigned to a faculty adviser in that area. The faculty adviser then works closely with the student in planning a program leading to the successful completion of degree requirements.

## COUNSELING SERVICES

The faculty and administration of Armstrong State College recognize that students are frequently confronted with difficult and important decisions. In some instances students need the competent assistance of professional persons who have been trained to deal with the specific problems of college students.

In light of these needs, qualified testing and guidance counselors are located in the Office of Student Affairs to help students in (1) clarifying educational and vocational objectives, (2) developing effective study skills and habits, and (3) dealing with problems of social and emotional significance.

## ORIENTATION

Orientation for freshmen is scheduled prior to registration for the fall quarter. The program is designed to assist students in making the transition from high school to college and to acquaint them with school policies, traditions, and procedures. The Orientation Program includes an introduction to administrative officials and faculty; a presentation of the purposes and academic progress of Armstrong State College; indoctrination concerning the college's regulations and requirements; an introduction to student leaders and student activities; a survey of the facilities of the school; an opportunity for the student to plan a program with counselors; and social events. Attendance is required.

## FINANCIAL AIDS

A college education for qualified students, regardless of their economic circumstances, is the guiding principal behind Armstrong State College's program of student financial aid. Through an expanding program of financial aid which offers scholarships, short-term loans, National Defense Student Loans, and student employment, Armstrong State College tries to make it possible for all qualified students with limited resources to attend college.

In selecting a financial-aid recipient, special consideration is given to the applicant's record of achievement and promise of success as well as his financial need. Gift scholarships usually specify high academic standards as an eligibility requirement; otherwise full-time students in good standing who progress normally toward their degree-goal are eligible for financial aid.

Armstrong State College uses the College Scholarship Service which evaluates the Parents' Confidential Statement. Freshmen may secure this form from the local high school counselor, from the office of Student Affairs of the College, or from the College Scholarship Service, P. O. Box 176, Princeton, New Jersey. Applications which do not include this financial data are incomplete and cannot be considered. Applications for scholarships must be filed before May 1. Final action cannot be taken until the applicants have been accepted for admission to the college; thus, early application is urged.

If a student on scholarship withdraws from school, he is obligated to reimburse the college for the scholarship within one quarter following the date of withdrawal.

## SCHOLARSHIPS

Alpha Phi Omega

Alpha Tau Beta

Armstrong State College Alumni Association

Chatham County Teachers' Association

Chatham Education Association Scholarship

Civitan Club of Savannah

Garden City Lions Club

Edward McGuire Gordon Memorial Scholarship

Elks Aidmore Auxillary (Nurses)

Robert W. Groves Scholarships

Junior Chamber of Commerce Scholarships

Kiwanis Academic Award

Liberty National Bank Scholarship

Arthur Lucas Memorial Scholarship

Metropolitan Kiwanis Club of Savannah

National Secretaries Scholarship

Pilot Club of Savannah

Plumrite

Port City Lions Club

Azalea Chapter, American Business Women's Club

Rebel Chapter, American Business Women's Club

Savannah Business and Professional Women's Club

Savannah Gas Company

Savannah Pharmaceutical Association

Harry G. Strachan, III, Memorial Scholarship

Strachan Shipping Company

## REGENTS' SCHOLARSHIPS

Another source of scholarship aid for students who are residents of the State of Georgia is the Regents' Scholarship. These scholarships, varying from \$250 to \$1,000, are awarded to superior students who are in need of financial assistance to attend college. To be eligible for a Regents' Scholarship, a student must have grades or predicted grades that place him in the upper 25% of his class. Recipients of Regents' Scholarships are expected, upon completion of their program of study, to reside in the State of Georgia and work one year for each \$1,000 of scholarship aid received.

Further information on these scholarships and application forms may be obtained from the Office of Student Affairs at the College. The deadline for applying for the Regents' Scholarships is April 30.

## FEDERAL PROGRAMS OF ASSISTANCE

Educational Opportunity Grants are available to a limited number of students with exceptional financial need who require these grants in order to attend col-

lege. To be eligible, the student must also show academic or creative promise.

Grants will range from \$200 to \$800 a year and can be no more than one-half of the total assistance given the student. As an academic incentive to students, an additional award of \$200 may be given to those students who were in the upperhalf of their college class during the preceding academic year.

### **NATIONAL DEFENSE STUDENT LOANS**

High school graduates who have been accepted for enrollment or who are already enrolled at Armstrong State College and who need financial help for educational expenses, are eligible for student loans. Financial need determinations are made on the basis of information included in the Parents Confidential Statement.

The loans bear interest at the rate of 3 per cent per year. Repayment of the principal may be extended over a ten-year period, except that the institution may require a repayment of no less than \$15 per month.

If a borrower becomes a full-time teacher in an elementary or secondary school or in an institution of higher education, as much as half of the loan may be forgiven at the rate of 10 per cent for each year of teaching service.

### **GEORGIA HIGHER EDUCATION ASSISTANCE CORPORATION**

The Georgia Higher Education Assistance Corporation guarantees educational loans made by bona fide Georgia residents. Under this plan, the student negotiates with approved banks, savings and loan associations, or insurance companies for a student loan. The loan application is reviewed and approved by the college. The lending institution, with approval of the Georgia Higher Education Assistance Corporation, makes the loan directly to the student.

While the student remains in college, GHEAC will pay the lending institution six per cent interest. When the student terminates college, he becomes responsible to the lending institution for repayment of the principle together with interest at six per cent.

### **FINANCIAL AID APPLICATION PROCEDURE**

A financial aid applicant should take the following steps:

1. File Armstrong State College Financial Aid Application Form with Director of Financial Aid, Office of Student Affairs before May 1 for the fall quarter.

2. Apply for admission to Armstrong State College through the regular Admissions Office.
3. Take the Scholastic Aptitude Test given by the College Entrance Examination Board no later than January of the senior year and list Armstrong as one college to receive your scores.
4. Have parents (or guardian) complete and submit the Parents' Confidential Statement to College Scholarship Service, Box 176, Princeton, New Jersey, requesting that the Need Analysis be sent to Armstrong State College.

When the Director of Financial Aid has received all items listed above, then and only then, will consideration be given to the student's request.

### **OTHER SOURCES OF FINANCIAL AID TO ARMSTRONG STATE COLLEGE**

Short-term and long-term loans are available at low interest rates through the Kiwanis and Rensing Loan Funds.

**Clinton Lodge No. 54, F. & A. M. Scholarship** — This scholarship is for graduates of the regular high schools of the Public School System of Chatham County. Grants will be awarded to students whose family income is \$7,500 or less; who stand in the top 30% of their class; who have a combined SAT score of 900, and who are of good character. Return to: Education Committee, Clinton Lodge No. 54, F. & A.M., P.O. Box 992, Savannah, Georgia, by June 1.

**Solomons' Lodge No. 1, F. & A. M. Scholarship** — Two scholarships for \$240 each to be awarded to a graduate of a tax-supported high school. Apply to: Committee on Scholarship Awards, Solomon's Lodge No. 1, F. & A.M., P.O. Box 1711, Savannah, Georgia.

**Savannah Chapter, National Secretaries Association** — One scholarship covering tuition, fees and expenses, for a female student majoring in secretarial science. Apply to: high school counselor or typing teacher.

**William F. Cooper Education Fund** — Provides scholarships to female students in all fields except law, theology, and medicine (nursing and medical technology are acceptable). Apply to: Trust Department, Savannah Bank & Trust Company, between April 1 and May 31.

**Kennen Foundation Music Scholarships**—For piano students. Applicants may apply for an audition prior to May 1 at Kennen Foundation Headquarters, 1451 Dale Drive.

**State Teachers Scholarships** — Provide scholarship funds for residents of Georgia for the purpose of pursuing a full academic program of studies leading to a professional teacher's certificate. In order to qualify for a State Teacher Scholarship, a student must have an average of **B** or higher. The amount of the scholarship award will depend on the need of the student.

**The State Scholarship Commission** — Provides scholarships for students who cannot otherwise finance the cost of a program of study in dentistry, nursing, pharmacy, social work, paramedical fields and other educational and professional fields of study as defined and approved by the Commission.

**Ty Cobb Education Foundation Scholarship** — Provides scholarship aid for residents of the State of Georgia who have completed their freshman year in college. Apply to: Ty Cobb Educational Foundation Scholarships, Room 454, 244 Washington Street, S.W., Atlanta, Georgia 30303.

**Pickett & Hatcher Educational Fund** — Provides loans at reasonable interest rates to students in need of such aid to attend college. Apply to: Pickett & Hatcher Educational Fund, P.O. Box 1238, Columbus, Georgia.

**Savannah Pharmaceutical Association Scholarship** — One scholarship for \$200 for a freshman student majoring in pre-pharmacy to attend Armstrong College (or the University of Georgia). Apply to: Mr. Thomas C. Crumbley, Chairman, Scholarship Committee, Savannah Pharmaceutical Association, c/o Crumbley's Pharmacy, 1502 Waters Avenue, Savannah, Georgia.

**Chatham Artillery Scholarships** — A number of scholarships for \$250 each to members of the Chatham Artillery attending college full time. Apply to the Chatham Artillery.

**State Department of Vocational Rehabilitation** — Students who have had a physical or emotional handicap, and have been treated successfully, and are acceptable for vocational rehabilitation, may receive financial assistance to attend college through the State Department of Vocational Rehabilitation. Apply to: 35 Abercorn Street, Savannah, Georgia.

## **STUDENT ASSISTANTSHIPS**

Financial aid is available to students through the Work-Study Program and the College Student Assistantship Program. A number of part-time, on campus jobs are made available to students who need financial

assistance. Both the institutional application and the Parents' Confidential Statement are required for all types of financial aid. Interested individuals should contact the Office of Student Affairs prior to the beginning of each quarter.

The Office of Student Affairs also maintains a file of available part-time jobs in the community and is glad to assist students, whenever practicable, in locating outside work.

### **PLACEMENT OFFICE**

The Placement Office, located in the Office of Community Services, assists Armstrong State College graduates in securing business and professional positions. Any senior desiring assistance in securing employment should contact this office.

### **CONDUCT**

Every student who enrolls in a course at Armstrong State College commits himself, by the act of enrolling, to full compliance with the rules and regulations of the Honor System. This system was written by a joint student-faculty committee, at the request of the students, and was adopted by an overwhelming vote of the student body and of the faculty in 1965. It is a fundamental part of our academic community's way of life. The Honor System is given under "Academic Regulations" in this Bulletin and in the Student Handbook.

Compliance with the regulations and policies of the faculty of Armstrong State College and the Regents of the University System and Georgia is assumed. Gambling, hazing, and the use, possession or consumption of alcoholic beverage at college functions, whether on or off campus is prohibited. For more information regarding policies refer to the Student Handbook.

### **STUDENT ACTIVITIES AND ORGANIZATIONS**

In addition to an outstanding academic program, Armstrong State College offers a complete schedule of extra-curricular student activities designed to contribute to the development of the student and assist him in becoming an active and productive member of the community in which he lives.

Student organizations at Armstrong State College reflect the natural variety of interests found in a diversified student body. Individuals who seek a well-rounded education will avail themselves of the varied opportunities afforded through the college program of student activities.

## STUDENT GOVERNMENT

The Student Government Association is the official governing body of the students at Armstrong State College. It assists in formulating a program of student services and activities, and it strives to express the will of the majority of students and to provide experience in democratic living.

All students are automatically members of the Student Government Association and entitled to a vote in matters of concern to students. Qualified students may seek positions of leadership in the Student Government Association by running for office during the spring quarter.



## STUDENT PUBLICATIONS

The two official student publications on campus are the *Inkwell*, the college newspaper, and the *Geechee*, the college annual. Both publications are produced entirely by students under the supervision of qualified faculty members. Financed in part by the Student Activity Fund, these publications provide opportunities in creative writing, reporting, and design.



## HEALTH

Armstrong State College maintains a campus infirmary where a registered nurse is on duty from 8:15 a.m. until 5 p.m. Students who become ill or who are involved in accidents while on campus should not hesitate to avail themselves of this service.

The college also makes available, on a voluntary basis, a student health and accident insurance policy. The cost of the policy is \$12 for a full year. Information regarding the program may be secured in the Office of Student Affairs.

## ALUMNI OFFICE

The prime purpose of the Alumni Office is to keep former students informed about the college, and to help them keep in touch with each other. Any person, who at any time was matriculated as a regular student, is eligible for membership in the Alumni Association, and upon payment of his dues will receive the quarterly newsletter, "The Geechee Gazette," and may vote and hold office in the Association. The Alumni Office assists in arranging class reunions, board meetings, and other functions. For further information contact the Director of Public Information.

## HOUSING

Private apartments for male, female, and married students will be available within walking distance of Armstrong State College beginning the fall quarter of 1968. For further information regarding housing please contact the Office of Student Affairs.

## CLUBS AND ORGANIZATIONS

A variety of clubs and organizations representing varied interests and activities are available to students at Armstrong State College. These include academic interest clubs, dance and social organizations, hobby groups, religious groups, and others. The organized clubs on campus are listed below.

Cheerleaders	Science Club
Photography Club	Canterbury Club
Alpha Tau Beta	Phi Kappa Theta
Delta Chi	Wesley Foundation
Literary Club	Baptist Student Union
Future Secretaries	Glee Club
Geechee	Westminister Fellowship
Masquers	Alpha Phi Omega
Young Democrats	Tau Epsilon Phi
Newman Club	Pep Band
Circle K	Young Republicans
Student Nurses Asso. of Georgia	



### **ATHLETICS**

Armstrong State College participates in inter-collegiate athletic competition in basketball, baseball, and golf. Additional athletic opportunities are provided through the Intramural Program in the areas of basketball, softball, swimming, and volleyball.



### **CULTURAL OPPORTUNITIES**

Armstrong State College provides a variety of cultural opportunities for its students. Lectures by eminent scholars in the various academic fields and musical concerts by outstanding artists are an integral part of the program in general education. Student dramatic productions under professional direction and the student choral society have created distinguished traditions for these groups. The college purchases a large block of tickets for students to all concerts of the Savannah Symphony Orchestra.

# 7/DEGREE PROGRAMS

All baccalaureate degrees awarded by Armstrong State College require as a core curriculum the following minimum number of quarter hours in the major areas of study:

<i>Areas of Study</i>	<i>Minimum Quarter Hours Required</i>
Humanities, including, but not limited to grammar and composition and literature .....	20
Mathematics and the natural sciences, including but not limited to, mathematics and a 10-hour sequence of laboratory courses in the biological or physical sciences .....	20
Social sciences, including, but not limited to, history and American government .....	20
Physical Education .....	6
<b>Total</b>	<b>66</b>

## BACHELOR OF ARTS AND BACHELOR OF SCIENCE

For graduation with the degree of Bachelor of Arts with a major in English, history or music, or Bachelor of Science with a major in biology, chemistry or mathematics the following requirements must be completed in accordance with the regulations set in this bulletin. Requirements for each major program described in the appropriate departmental listing.

Requirements for the degrees of Bachelor of Arts and Bachelor of Science.

### General Requirements in the Liberal Arts and Sciences (Core Curriculum)

	Qtr. Hrs.
1. English 101, 102, 201, 202 .....	20
2. One Foreign Language 101, 102, 103 .....	15
3. Music, Art, or Philosophy 110 .....	5
4. History of Civilization 114, 115 .....	10
5. History of the United States 251 or 252 .....	5*
Political Science 113 .....	5*
6. One of the following courses: .....	5
Economics 201	
Psychology 101	
Sociology 201	

One of these history courses and this political science course are exempted from examination in order to meet the state requirement for graduation (see page 47), the ten quarter hours shall be allotted to electives.

7. Mathematics: an approved sequence	10
8. One of the following sequences of two courses	10
Botany 121, 122	
Chemistry 121, 122	
Chemistry 128, 129	
Physics 211, 212	
Physics 217, 218	
Zoology 101, 102	
<hr/>	
II. Courses in the Major Field <sup>(1)</sup>	85 50-70
(No student will be allowed to take senior division courses in his major field unless he has a minimum of C in all prerequisite courses in that field.)	
III. Courses in Related Fields <sup>(2)</sup>	15-30
IV. Physical Educational 111, 112, 113 and three courses	200 6
V. Free Electives <sup>(3)</sup>	15 (or
more to complete a minimum of	
185 quarter hours, exclusive of	
physical education)	

## II. Teacher Education

The standard credential for teaching in the public schools Georgia is the Teacher's Professional Four-Year Certificate (T-4). To qualify for this certificate, one must have completed an approved program designed for a specific teaching field and recommended by the college in which the program was completed. Armstrong State College offers the following approved teacher education programs: (see pages 66-71)

Elementary Education (Grades 1- 8)

Secondary Programs (Grades 7-12)

Business Education

English

Mathematics

Science (Biology)

Science (Chemistry)

Social Science (History)

<sup>1</sup>For its major program a department may not require more than 60 quarter hours at all levels in the major field, but it may recommend up to quarter hours.

<sup>2</sup>For its major program a department will require from 15 to 30 quarter hours of specified courses or approved elective courses in related field and language courses reaching the degree of proficiency specified by the department. (If a course is counted as fulfilling the General Requirement it will not also fulfill the requirement for "III Courses in Related Fields." Total requirements for II and III may not exceed 85 quarter hours.

<sup>3</sup>For the B.A. and B.S. degrees a minimum of 185 quarter hours, exclusive of physical education, is required for graduation.

## ACADEMIC ADVISEMENT

A student who desires to become an elementary or secondary school teacher should apply during the first quarter of residence in the Department of Education for academic advisement. He should follow without deviation the approved program designed for his preparation and for meeting the requirements for the certificate to teach. Upon admission to teacher education, students will be assigned advisors as follows:

- (1) Elementary education majors are assigned an advisor in the Department of Education who will assist the student in planning the total program of studies.
- (2) Students pursuing secondary teaching programs will be assigned an advisor in the Department of Education to advise the student concerning the professional sequence courses and an advisor in the teaching field major to approve the courses of the teaching field. Assignment of the teaching field advisor will be made by the head of the academic department offering the major.

## ADMISSION TO TEACHER EDUCATION

All students pursuing a degree program leading toward certification by the Georgia State Department of Education as a teacher must apply for admission to teacher education at Armstrong State College. This application will normally take place during the third quarter of the sophomore year or, for transfer students, in the first quarter of the junior year. Application may be secured from the office of the Head of the Department of Education. The following criteria are used in admitting applicants to teacher education:

- (1) Completion of at least 75 quarter hours of college credit with a "C" average and completion of Education 103 or 303 with a "C" or better.
- (2) Competence in oral and written expression.
- (3) Satisfactory physical and emotional health.
- (4) Indication of desirable attitude, character, and teaching potential.

## STUDENT TEACHING

Student Teaching, the culminating activity of the professional education, is provided in selected off-campus school centers. The first quarter of student teaching is arranged cooperatively by the Department of Education, the participating schools, and the supervising teachers. Application for admission to student teaching must be made with the Department of Education during the winter quarter preceding the academic year in which the student teaching is to be completed. The prerequisites for admission to student teaching are:

- (1) Admission to a teacher education program.
- (2) Completion of other required professional sequence courses with a grade of "C" or higher. Elementary major

must make a grade of "C" or higher on all specialized content courses taken prior to student teaching.

- (3) "C" average at Armstrong State College on all courses attempted, and a "C" average on all courses acceptable toward the teaching field or concentration.
- (4) Satisfactory completion of related professional laboratory activities including the "September Experience"
- (5) Satisfactory participation in orientation to student teaching.

For elementary education majors orientation to student teaching is included in the elementary block (Ed. 435 and 436) which is scheduled the quarter prior to student teaching. For secondary majors, the orientation to student teaching is scheduled to meet an hour each week during the quarter prior to student teaching.

A student is admitted to student teaching at the time assignment is made, which is three months prior to reporting to the assigned school. While student preferences and other personal circumstances are considered, the Department of Education reserves the right to exercise its discretion in placing student teachers.

## Bachelor of Science in Elementary Education

### I. General Requirements: 91 Quarter Hours

1. Humanities: 30 quarter hours	
Art 200, Music 200 or Philosophy 110 . . . . .	5
English 101, 102, 201, 202 . . . . .	20
Speech 228 . . . . .	5
2. Social Sciences: 35 quarter hours	
Geography 111 . . . . .	5
History 114, 115, 251*, 252* . . . . .	20
Political Science 113* . . . . .	5
Psychology 101 . . . . .	5
3. Sciences: 25 quarter hours	
Botany 121, 122 or Zoology 101, 102 . . . . .	10
Chemistry 121, 122 or Physics 211, 212 . . . . .	10
Mathematics 105 . . . . .	5
4. Physical Education: 6 quarter hours	
Physical Education 111, 112, 113 . . . . .	3
Three 200 courses . . . . .	3

### II. Electives: 25 quarter hours

1. Approved electives to establish added proficiency in an area to be known as concentration chosen to correspond to the elementary curriculum: art, English, mathematics, modern foreign languages, sciences, or social sciences 20
2. Approved elective in related field 5

\*If one of these history courses and this political science course are exempted by examination in order to meet the state requirement for graduation (page 47), the ten quarter hours shall be allotted to electives.

Specialized Content Courses: 30 quarter hours	
Art 320	5
Education 425	5
English 331	5
Mathematics 452	5
Music 320	5
Physical Education 320	5
Professional Sequence Courses: 40 quarter hours	
Psychology 301	5
Education 103 or 303; 301, 435, 436, 446, 447, 448	35
Total	191

## PROGRAM FOR SECONDARY SCHOOL TEACHERS OF BUSINESS EDUCATION

General Requirements in the Liberal Arts and Sciences

Qtr. Hrs.

- |   |    |
|---|----|
| 1. English 101, 102, 201, 202                             | 20 |
| 2. Music 200, Art 200, or Philosophy 110                  | 5  |
| 3. History of Western Civilization 114, 115               | 10 |
| 4. Principles of Economics (Ec. 201, 202)                 | 10 |
| 5. American Government (Pol. Sc. 113)*                    | 5  |
| 6. Freshman Mathematics including 5 hrs. of<br>Statistics | 15 |
| 7. One of the following requirements of two<br>courses:   | 10 |
| Botany 121, 122   |    |
| Chemistry 121, 122  |    |
| Chemistry 128, 129  |    |
| Physics 211, 212  |    |
| Physics 217, 218  |    |
| Zoology 101, 102  |    |
| 8. Psychology 101 plus four of the following<br>courses   | 25 |
| Economics 326   |    |
| History 251* or 252*                                      |    |
| Psychology 305  |    |
| Sociology 201   |    |
| Speech 228  |    |

Courses in Business Education 30-31

- |                                |   |
|--------------------------------|---|
| 101 Beginning Typing           | 2 |
| 102 Beginning Typing Continued | 2 |
| 103 Intermediate Typing        | 2 |
| 201 Advanced Typing            | 2 |

One of these history courses and this political science course are exempted from examination in order to meet the state requirement for graduation (see page 47), the ten quarter hours shall be allotted to electives.

111	Shorthand, Beginning .....	3
112	Shorthand, Beginning .....	3
113	Shorthand, Intermediate .....	3
211	Shorthand or Advanced Commerce 202-203 .....	3, 4
213	Office Practices .....	5
315	Business Communications .....	5
III.	Courses in Business Administration	
	B.A. 211, 212 .....	10
	Select three of the following courses .....	15
	1. B. A. 307, Business Law I	
	2. B. A. 340, Principles of Marketing	
	3. B. A. 375, Personnel Administration	
	4. B. A. 462, Human Relations in Industry	
	5. Ec. 327, Money and Banking	
	6. Ec. 331, Labor and Industrial Relations	
	7. Ec. 335, Public Finance	
IV.	Physical Education 111, 112, 113 and three 200 courses	
V.	Professional Sequence	
	Education 103 or 303 - Orientation to Teaching .....	5
	Psychology 301 - Educational Psychology .....	5
	Education 438 - Secondary School Curriculum and Methods, Business Education .....	5
	Education 446, 447, 448 - Student Teaching .....	15
		191-2

## PROGRAM FOR SECONDARY SCHOOL TEACHERS OF ENGLISH

I.	General Requirements in the Liberal Arts and Sciences	Qtr. Hrs.
	1. English 101, 102, 201, 202 .....	20
	2. One Foreign Language .....	20
	3. Art 200 or Music 200 .....	5
	4. History of Western Civilization 114, 115	10
	5. History of the United States 251* or 252*	5
	6. Psychology 101 and one of the following courses: .....	10
	Economics 201	
	Political Science 113*	
	Sociology 201	

\*If one of these history courses and this political science course are exempted by examination in order to meet the state requirement for graduation (see page 47), the ten quarter hours shall be allotted to electives.



7. Freshman Mathematics .....	10
8. One of the following requirements of two courses: .....	10
Botany 121, 122	
Chemistry 121, 122	
Chemistry 128, 129	
Physics 211, 212	
Physics 217, 218	
Zoology 101, 102	
Courses in Major Field	
Students must complete the requirements for a major in English including English 325 and 410.	
Related Fields (Select five courses) .....	25
Education 425	
Fine Arts	
(200 and above)	
Foreign Language	
(200 and above)	
History 252 or 251	
History 341	
History 348	
History 350	
History 354	
Philosophy 110	
Speech 228	
Speech 341	
Speech 345	
Physical Education 111, 112, 113, three 200 courses .....	6
Professional Sequence .....	30
Education 103 or 303 - Orientation to Teaching .....	5
Psychology 301 - Educational Psychology .....	5
Education 439 - Secondary School Curriculum and Methods, English .....	5
Education 446, 447, 448 - Student Teaching .....	15
	<hr/>
Total	191

## PROGRAM FOR SECONDARY SCHOOL TEACHERS OF MATHEMATICS

General Requirements in the Liberal Arts and Sciences	
	Qtr. Hrs.
1. English 101, 102, 201, 202 .....	20
2. One Foreign Language .....	15
3. Art 200, Music 200 or Philosophy 110 .....	5
4. History of Western Civilization 114, 115 .....	10
5. History of the United States 251* or 252* .....	5

One of these history courses and this political science course are exempted from examination in order to meet the state requirement for graduation (see page 47), the ten quarter hours shall be allotted to electives.

6.	Psychology 101 and one of the following courses: .....	10
	Economics 201	
	Political Science 113*	
	Sociology 201	
7.	Freshman Mathematics .....	10
8.	One of the following requirements of two courses: .....	10
	Botany 121, 122	
	Chemistry 121, 122	
	Chemistry 128, 129	
	Physics 211, 212	
	Physics 217, 218	
	Zoology 101, 102	
II.	Courses in Major Field .....	
	Students must complete the requirements for a major in Mathematics which includes:	
	Mathematics 104, 201, 202, 203, & 311-12; 321-322; and one of the sequence 301-302; 401-402	
III.	Related Fields .....	
IV.	Physical Education 111, 112, 113 and three 200 courses	
V.	Professional Sequence .....	
	Education 103 or 303 - Orientation to Teaching ..	5
	Psychology 301 - Educational Psychology ..	5
	Education 437 - Secondary School Curriculum and Methods, General .....	5
	Education 446, 447, 448 - Student Teaching .....	15
Total		

## PROGRAM FOR SECONDARY TEACHERS OF SCIENCE WITH MAJOR IN BIOLOGY

I.	General Requirements in the Liberal Arts and Sciences	Qtr. H
1.	English 101, 102, 201, 202 .....	20
2.	One Foreign Language .....	15
3.	Art 200, Music 200 or Philosophy 110 .....	5
4.	History of Western Civilization 114, 115 .....	10
5.	History of the United States 251* or 252* .....	5
6.	Psychology 101 and one of the following courses: .....	10
	Economics 201	
	Political Science 113*	
	Sociology 201	
7.	Freshman Mathematics .....	10

\*If one of these history courses and this political science course are exempt by examination in order to meet the state requirement for graduation page 47), the ten quarter hours shall be allotted to electives.

8. The following courses:	15
Zoology 101, 102	
Botany 121	
I. Courses in Biology (Junior-Senior level)	40
Students must complete the requirements for a major in Biology including Biology 370, 380; Botany 380 or Zoology 390	
L. Courses in other Sciences	35
Chemistry 128, 129, 341, 342, 343	
Physics 211, 212	
Physical Education 111, 112, 113 and three 200 courses	6
Professional Sequences	30
Education 103 or 303 - Orientation to Teaching	5
Psychology 301 - Educational Psychology	5
Education 437 - Secondary School Curriculum and Methods, General	5
Education 446, 447, 448 - Student Teaching	15
	201

## PROGRAM FOR SECONDARY SCHOOL TEACHERS OF SCIENCE WITH MAJOR IN CHEMISTRY

I. General Requirements in the Liberal Arts and Sciences	
	Qtr. Hrs.
1. English 101, 102, 201, 202	20
2. One Foreign Language	15
3. Art 200, Music 200 or Philosophy 110	5
4. History of Western Civilization 114, 115	10
5. History of the United States 251* or 252*	5
6. Psychology 101 and one of the following courses	10
Economics 201	
Political Science 113*	
Sociology 201	
7. Freshman Mathematics and Math. 104	15
8. Chemistry 128-129	50
Courses in Chemistry	50
Chemistry 281, 282	10
Chemistry 341, 342, 343	15
Chemistry 491, 492, 493	12
Chemistry 480	5
Electives in Chemistry	8
Courses in Other Sciences	25
Physics	15
Zoology 101, 102	10

One of these history courses and this political science course are exempted from examination in order to meet the state requirement for graduation (see page 47), the ten quarter hours shall be allotted to electives.

# PROGRAM FOR SECONDARY SCHOOL TEACHERS OF SOCIAL SCIENCE

	Qtr. Hrs
<b>I. General Requirements in the Liberal Arts and Sciences</b>	
1. English 101, 102, 201, 202 .....	20
2. One Foreign Language .....	15
3. Music 200, Art 200, or Philosophy 110 .....	5
4. History of Western Civilization 114, 115 .....	10
5. History of the United States 251* or 252* .....	5
6. Political Science 113*, Sociology 201 .....	10
7. Freshman Mathematics .....	10
8. One of the following sequences of two courses: 10	
Botany 121, 122	
Chemistry 128, 129	
Chemistry 121, 122	
Physics 211, 212	
Physics 217, 218	
Zoology 101, 102	
<b>II. Courses in History</b> .....	
Students must complete the requirements for a major in History including History 251 or 252.	
<b>III. Courses in other Social Sciences</b> .....	
1. Political Science (from 300, 301, 302, and 319) 10	10
2. Economics 201, 202 .....	10
3. Geography 111 or Anthropology 201 .....	5
4. Psychology 101 .....	5
<b>IV. Physical Education 111, 112, 113 and three 200 courses</b> .....	
<b>V. Professional Sequence</b> .....	
Education 103 or 303 - Orientation to Teaching .....	5
Psychology 301 - Educational Psychology .....	5
Education 440 - Secondary School Curriculum and Methods, Social Science .....	5
Education 446, 447, 448 - Student Teaching .....	15

**Total**

## III. BACHELOR OF BUSINESS ADMINISTRATION

For graduation with the degree of Bachelor of Business Administration with a major in accounting, economics or management-marketing, the following requirements must be completed in accordance with the regulations stated in this bulletin. For major concentrations, see requirements described under Department of Business Administration.

For graduation with the degree of Bachelor of Business Administration

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\*If one of these history courses and this political science course are exempt by examination in order to meet the state requirement for graduation (page 47), the ten quarter hours shall be allotted to electives.

ation, the minimum requirements in the various fields of study  
 be:

<b>Humanities</b>	
A. English 101, 102, 201, 202 .....	20
B. Music, Art, or Philosophy 110 .....	5
<b>Social Sciences</b>	
A. History of Civilization 114, 115 .....	10
B. Principles of Economics 201, 202 .....	10
C. Elective from History, Political Science 113, Psychology 101, Sociology 201 .....	5
	25
<b>Mathematics and Natural Science</b>	
A. Mathematics (must include Mathematics 111 - Statistics) .....	20
B. Laboratory Science (sequence) .....	10
	30
<b>Business Administration</b>	
Introductory Accounting 211, 212 .....	10
<b>TOTAL FRESHMAN AND SOPHOMORE</b>	
(Other than Physical Education) .....	90
Approved electives from the Humanities, the Social Sciences, Natural Sciences or Mathematics. History 251 or 252 <i>must</i> be included and Speech 228 is recom- mended. At least 15 quarter hours must be in courses numbered 200 or above, and at least 10 quarter hours must be in courses numbered 300 or above.	30
<b>Business Core Requirements</b> .....	35
(Economics majors - see note below)	
B. A. 200, Survey of Business	
B. A. 307, Business Law I	
B. A. 320, Business Finance	
Economics 327, Money and Banking	
and three selected from the following:	
B. A. 340, Principles of Marketing	
B. A. 360, Principles of Management	
Economics 331, Labor and Industrial Relations	
Economics 335, Public Finance	
Economics, 405, Government and Business	
Note: Economics majors may select any approved combination from the business core and the major con- centration courses.	
VII. Major Concentration .....	30
(see Departmental requirements)	
VIII. Physical Education .....	6
	Total Requirements
	191

# BACHELOR OF BUSINESS ADMINISTRATION (MAJOR IN BUSINESS EDUCATION)

See listing of requirements under TEACHER EDUCATION

## ONE AND TWO YEAR PROGRAMS IN COMMERCE COMMERCE - SECRETARIAL

This program is designed to meet the needs of those students who wish to qualify for secretarial positions in business after two years of study. Students enroll in the Associate in Arts program (listed elsewhere in this bulletin), devoting the permitted 30 hours of elective credits to business and commerce subjects as necessary. The Associate in Arts degree is awarded upon completion of the program.

### COMMERCE - STENOGRAPHIC

A student who has only one year to spend in college may acquire some of the fundamental clerical skills needed for employment as a stenographer or clerk-typist. Whether or not a student will be placed in beginning theory classes of shorthand or typing will depend upon previous training in those subjects; a more advanced standing may be approved by the instructor. A certificate is awarded upon completion of the following program.

Commerce 101, 102, 103 .....	6
Commerce 111, 112, 113 .....	9
Commerce 213 .....	5
Business Administration 211 .....	5
Business Administration 315 .....	5
English 101, 102 .....	10
Physical Education 111, 112, 113 .....	3
*Elective .....	5
Total Hours .....	
	48

\*Recommended electives include Mathematics 105, Speech 228.

## IV. BACHELOR OF SCIENCE IN MEDICAL TECHNOLOGY

1. English 101-102, 201-202 .....	20
2. History of the U. S. ....	5
3. History 114-115 .....	10
4. Mathematics 101-103 .....	10
5. Foreign Languages (15 qtr. hrs. or 10 qtr. hrs. plus elective .....	10-15
6. Psychology 101, Sociology 201 .....	10
7. Physics 211, 212 .....	10
8. Chemistry 128-129, 281-282, 341-342 .....	30
9. Zoology 101-102, 225, 356 .....	20
10. Biology 351-352 .....	10

One course from the following:

Entomology 301 .....	5
Zoology 357	
Zoology 372	
Zoology 390	
Physical Education .....	6
Elective .....	5

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After satisfactorily completing the required number of courses and the hours listed above, the degree candidate must complete 12 months in Clinical Medical Technology at an approved hospital. With the completion of this work and satisfactorily passing the examination given by the Registry of Medical Technologists, the student will be awarded the degree of Bachelor of Science.

Armstrong State College cooperates with Memorial Hospital in Chatham County in giving a B. S. degree with a major in Medical Technology. This program has been approved by the Council on Medical Education of the American Medical Association and by the Board of Schools of Medical Technology of the American Society of Clinical Pathologists.

The Coordinator of this degree program is Dr. L. B. Davent, Jr., Head of the Department of Biology.

## V. ASSOCIATE IN ARTS IN NURSING

For the two-year (seven quarters) program of Associate in Arts in Nursing, the student must complete the curriculum of 60 quarter hours in academic courses and 54 quarter hours of professional clinical courses as listed under the Department of Nursing.

This program provides the student with the opportunity to obtain a general education and to study nursing at the college level. Graduates are eligible to take the State Examination for assurance to practice as registered nurses.

The curriculum is approved by the Georgia State Board of Nursing Examiners and has received reasonable assurance of accreditation from the National League for Nursing.

## VI. DENTAL HYGIENE

### ASSOCIATE IN SCIENCE DEGREE IN DENTAL HYGIENE

For the two-year (seven quarters) program for the Associate Science Degree in Dental Hygiene the student must complete curriculum of 55 quarter hours in academic courses and 53 quarter hours in professional dental hygiene courses. The purpose of this course of study is to meet the increasing need for dental services for women educated in this rapidly growing and important health profession. Dental hygienists are in demand to provide dental health services in private dental offices, civil service posi-

tions, industry, and various public health fields. They practice under the supervision of a dentist and must pass a state board examination for licensure.

### BACHELOR OF SCIENCE DEGREE IN DENTAL HYGIENE EDUCATION

A Bachelor of Science Degree in Dental Hygiene Education can be earned by an additional two years (six quarters) of study. This curriculum of 90 quarter hours is designed to prepare dental hygienists for careers in teaching in schools of dental hygiene.

### VII. ASSOCIATE IN ARTS IN POLICE ADMINISTRATION

Armstrong State College provides professional education to prepare students for careers in many areas in the administration of criminal justice. The program is offered in cooperation with selected public and private agencies to promote service and research. Since the police are charged with the responsibility of crime prevention, protection of life and property and assurance of the functions of a democratic free society it is imperative that students going into law enforcement be prepared to meet their obligations.

A strong liberal arts emphasis has been developed in this program enabling the student to meet new and demanding requirements of policing needs. A list of courses comprising the curriculum has been included elsewhere in this bulletin giving the student information on the suggested sequence.

Specific courses in police administration are open to all students as electives. Students who plan to follow careers in sociology, work, law, journalism, or special education may find police administration interesting and useful. Non-majors should consult with their faculty advisor before election of these courses.

For those students seeking a baccalaureate degree, provisions have been made at Armstrong State College for transfer of police administration credits into the political science curriculum without loss of credit. Students who plan to graduate with a degree in political science should be in contact with the Head of that department soon after entering college.

### VIII. ASSOCIATE IN ARTS

For the two-year degree of Associate in Arts a student must complete the last 45 quarter hours of course work in this program at Armstrong State College. The program is designed to provide a substantial liberal education as a base for upper-division specialization.

	Qtr. Hrs.
1. English 101, 102, 201, 202 .....	20
2. History 114, 115 .....	10
3. One of the following sequences of two courses: 10 Botany 121, 122	10



Chemistry 111, 112	
Chemistry 121, 122	
Physics 211, 212	
Physics 217, 218	
Zoology 101, 102	
4. Mathematics 101 <i>or</i> 105 .....	5
5 Two of the following courses: .....	10
Economics 201	
Political Science 113**	
Psychology 101	
Sociology 201	
U.S. History 251** <i>or</i> 252**	
6. One of the following courses: .....	5
Music	
Art	
Philosophy 110	
7. Physical Education 111, 112, 113 and three 200 courses .....	6
8. Electives* .....	30
	—
	96

## COMPLETE LIST OF MAJOR PROGRAMS OF FOUR YEAR AND TWO YEAR DEGREES

77

- Bachelor of Arts with a major in English.
- Bachelor of Arts with a major in English and requirements for secondary certification.
- Bachelor of Arts with a major in History.
- Bachelor of Arts with a major in History and requirements for a secondary certification.
- Bachelor of Arts with major in Political Science.
- Bachelor of Arts with major in Psychology.
- Bachelor of Arts with a major in Music.
- Bachelor of Arts with a major in Music and requirements for secondary certification.
- Bachelor of Science with a major in Biology.
- Bachelor of Science with a major in Biology and requirements for secondary certification.
- Bachelor of Science with a major in Chemistry.
- Bachelor of Science with a major in Chemistry and requirements for secondary certification.

If a student plans to continue work in the future toward a Bachelor's degree, he should select courses that will meet the listed requirements of the Bachelor degree program.

Two of these history courses and this political science course are exempted from examination in order to meet the state requirement for graduation (see page 47), the ten quarter hours shall be allotted to electives.

13. Bachelor of Science with a major in Mathematics.
14. Bachelor of Science with a major in Mathematics and requirements for secondary certification.
15. Bachelor of Science in Elementary Education.
16. Bachelor of Business Administration with a major in accounting.
17. Bachelor of Business Administration with a major in Economics.
18. Bachelor of Business Administration with a major in Management—Marketing
19. Bachelor of Business Administration with a major in Business Education.
20. Bachelor of Science in Medical Technology.
21. Associate in Arts.
22. Associate in Arts in Nursing.
23. Associate in Science in Dental Hygiene.
24. Bachelor of Science in Dental Hygiene Education.
25. Associate in Arts in Police Administration.



# 8 / DEPARTMENTAL COURSE OFFERINGS and REQUIREMENTS FOR MAJORS

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Armstrong State College reserves the right to (1) withdraw any course for which less than ten students register, (2) limit the enrollment in any course or class section, (3) fix the time of meeting of all classes and sections, and (4) offer such additional courses as demand and faculty warrant.

No credit will be given in beginning courses in languages where the same or similar courses have been presented for admission from high school.

Where two or more courses are listed under one description, no credit for graduation will be given until the sequence is completed, for example: Zoology 101-102.

After each course name, there are three numbers in parentheses. The first number listed is the number of hours of lecture; the second, the number of hours of laboratory; and the third, the number of quarter hours of credit the course carries. For example: Botany 121—General Botany (3-4-5).

Courses numbered 100 to 199 are generally planned for freshman level; courses numbered 200 to 299 for the sophomore level; courses numbered 300 to 399 for the junior level; courses numbered 400-499 for the senior level.

## DEPARTMENT OF ALLIED HEALTH SERVICES NURSING

Assoc. Professor Doris Bates, R.N., Director; Rose Marie Blum, R.N., Asst. Director.

Instructors: Ann Mayer, R.N., Christine Hamilton, R. N., Nancy Duffy, R. N., Barbara Rundbaken, R. N., Carol Sutton, R. N.

The Associate in Arts Degree Program in Nursing provides the student with the opportunity to obtain a general education and to study nursing at the college level. Graduates are eligible to take the State Examination for licensure to practice as registered nurses.

The nursing educational program is developed by progressing from simple to complex situations in nursing which evolve from basic concepts fundamental to the total needs of the individual.

Student nurses participate in nursing laboratory experiences at Memorial Medical Center, Candler General Hospital Complex and other community agencies. Students are assigned to the clinical area and are responsible for providing their own transportation. Continuation in the program second quarter is dependent upon maintaining a 2.0 average first quarter.

Students who enroll in this program have opportunities for personal, intellectual, and socio-ethical development, as well as having the personal satisfaction of becoming a member of a professional group which has unlimited opportunities after graduation.

FRESHMAN COURSE		SOPHOMORE COURSE	
	Qtr. Hrs.		Qtr. Hrs.
English 101	5	Political Science 113*	5
Chemistry 105	5	Nursing 201	8
Nursing 101	6	History 251* or 252*	5
Psychology 101	5	Nursing 202	8
Anatomy & Physiology 10	5	P.E. 208	1
Nursing 102	6	Humanities Elective	5
Psychology 305	5	Nursing 203	10
Nursing 103	8	P.E. 113	1
Nutrition 105	5	P.E. 204	1
Microbiology 201	5	Sociology 201	5
Nursing 104	8		

*Course Offerings — Freshman*

**NURSING 101**—Fundamentals of Nursing I.

**NURSING 101L**—Selected Laboratory Experiences.

The underlying philosophy of this introductory course is that the medical approach to the care of the sick is through a developmental approach based on a patient's typical day. Sound principles of professional ethics and the historical development of the nursing profession are correlated. Students are given opportunity to develop beginning nursing skills, to understand and apply basic principles, to identify nursing care needs of individual patients. Clinical experience in community hospitals is given under supervision.

**NURSING 102**— and Selected Laboratory Experiences —

Fundamentals of Nursing II (4-6-6)

requisite: Nursing 101

This course is a continuation of Fundamentals of Nursing. The students develop more complicated nursing skills and an awareness of the inter-relatedness of medical-surgical nursing problems, the sociological, physiological, and psychological needs of the patients. The problem-solving technique is introduced. Selected Nursing Practice is provided in applying the principles of comprehensive nursing care to patients in the hospital.

**NURSING 103 and 104**—and Selected Laboratory Experiences—

Nursing in Maternal and Child Health

Nursing I and II (5-9-8), (5-9-8)

requisite: Nursing 102

In the Maternal and Child Health Nursing sequence the framework of knowledge, needed for the study of the nursing needs of the individual and family which will be developed throughout the curriculum, is established. The course is designed to assist the student in the application of appropriate nursing principles, beginning with conception, the prenatal period, labor and delivery, care and development of the newborn, the infant and child,

One of these history courses and this political science course are exempted from examination in order to meet the state requirement for graduation (see page 47), the ten quarter hours shall be allotted to electives.

and the effect of illness during the growing years from birth to adolescence.

Laboratory experience is planned selectively and utilizes agencies and facilities concerned with mothers, babies, children and their families.

### *Course Offerings — Sophomore*

**NURSING 201 and 202—**and Selected Laboratory Experiences  
Nursing in Physical and Mental  
Illness I and II (5-9-8), (5-9-8)

Prerequisite: Nursing 103 and 104

The physical and mental illness sequence is an integrated study of the typical emotional and physical problems interrupting human life cycle from adolescence, through middle age, to senescence and death.

Laboratory experiences in community agencies and hospital facilities are provided each student to reinforce theoretical learning.

**NURSING 203—**and Selected Laboratory Experiences—

Advanced Nursing Problems (5-15-8)

Prerequisite: Nursing 202

This course is a continuation of Nursing 201 and 202. Content is correlated to strengthen knowledge and skills needed by present day beginning nurse in giving physical care and psychological support to patients. Also current trends in nursing are explored, as well as responsibilities both legal and professional. Laboratory experiences are designed to enhance breadth and depth of knowledge in selected clinical areas.

### **ASSOCIATE IN SCIENCE IN DENTAL HYGIENE**

Associate Professor Roy M. Blackburn, D.D.S.

GENERAL EDUCATION

DENTAL HYGIENE

	Cr.	EDUCATION	
Anatomy and Physiology 10	5		
Nutrition 105	5	Dental Hygiene 101 and 102	1
Psychology 101	5	Dental Hygiene 103	2
English 101	5	Dental Hygiene 104 and 105	1
Sociology 201	5	Dental Hygiene 106	2
Chemistry 105	5	Dental Hygiene 201	3
*Political Science 113	5	Dental Hygiene 202 and 203	1
Microbiology 210	5	Dental Hygiene 204	6
Health 107	5	Dental Hygiene 205	2
Speech 228	5	Dental Hygiene 206	3
*History 251 or 252	5	Dental Hygiene 207	2
	—	Dental Hygiene 208	3
	55	Dental Hygiene 209	3

40 + 13 =

\*If one of these history courses and this political science course are exempt by examination in order to meet the state requirement for graduation (page 47), the ten quarter hours shall be allotted to electives.

## CHELOR OF SCIENCE IN DENTAL HYGIENE EDUCATION

(In addition to courses listed for Associate in Science in Dental Hygiene Degree the following courses must be completed.)

English 102	5	Dental Hygiene 401	5
Math 105	5	Dental Hygiene 402	5
Math 106, 107, 108, or 109	5	Dental Hygiene 403	5
Laboratory 114	5	Dental Hygiene 404	5
Laboratory 115	5		—
Philosophy 110	5		20
Education 301	5		
Education 303	5		
Psychology 301	5		
Psychology 305	5		
Education 437	5		
	—		
	55		
Electives	15		
	—		
	70		

### Course Offerings

DENTAL HYGIENE 101 and 102—Dental Anatomy and Oral Histology I and II (4-2-5), (1-4-3)  
 Developmental study of the embryonic growth of the oral cavity, primary tissues and histology of the teeth, the calcification, eruption, anatomy, and function of the human dentition and supporting structures.

Dental Hygiene students only.

Laboratory—Identification, sketching, cross sectioning and carving individual teeth. Correlated with lectures. For Dental Hygiene students only.

DENTAL HYGIENE 103—Orientation to Fields of Dentistry and Dental Hygiene (2-0-2)

Historical background of the dental hygiene movement, and an introduction to the profession of dentistry, its fields of specialization and the role of the dental hygienist, with respect to them as a member of the dental health team.

DENTAL HYGIENE 104 - 105—Clinical Dental Hygiene I and II (1-4-3), (2-4-4)

Lectures and demonstrations in the technique of removing stains and deposits from the exposed surfaces of the teeth. Work is induced by practice on manikins. After the student has mastered the technique she receives clinical experience in oral prophylaxes on children and adults, mouth inspection and charting in the dental hygiene clinic.

DENTAL HYGIENE 106—Pharmacology and Anesthesiology (2-0-2)

Study of drugs and anesthetics with special consideration given to those used in the dental office. This study is to acquaint

the student with the origin of these drugs and anesthetics, their physical and chemical properties, modes of administration and effects upon the body systems.

**DENTAL HYGIENE 201**—General and Oral Pathology (3-0)  
The principles of general pathology in relationship to the disease of the teeth, soft tissues, and supporting structures of the oral cavity. The importance of early recognition of abnormal conditions in the mouth by the hygienist is emphasized.

**DENTAL HYGIENE—202 - 203**—Clinical Dental Hygiene III  
and IV (2-8-6), (2-8-6)

Prerequisite: Dental Hygiene 104 and 105. A continuation of 104 and 105. The hygienist further learns and applies the principles of preventive dental hygiene and oral prophylaxis techniques on patients in the clinic under supervision. Conference time is used for further teaching, student evaluation, discussion of common problems and situations encountered in the clinical laboratory.

**DENTAL HYGIENE 204**—Clinical Dental Hygiene V (2-8-6)  
Prerequisite: 202, 203, and 207—Co-requisite 208. The student continues to learn and apply the principles of preventive dental hygiene techniques on adult patients in the clinic under supervision. Conference time covers laws governing dental hygiene practice, professional ethics, areas of employment, office procedures, and discussion of situations encountered in clinical laboratory and externship experience.

**DENTAL HYGIENE 205**—Dental Health Education (2-0-0)  
Demonstrations and practical applications of modern methods of dental health education. Teaching techniques, visual aids, materials, and opportunities for teaching are covered.

**DENTAL HYGIENE 206**—Dental Roentgenology and  
X-ray Laboratory (2-4-0)  
A series of lectures and demonstrations on the applications of roentgen rays for dental diagnostic purposes. Includes the electrophysics of the apparatus, positioning of the films, angulation of the machine, and developing processes.

**DENTAL HYGIENE 207**—Dental Materials and  
Assisting Procedures (1-2-0)  
Basic concepts of dental assisting, laboratory procedures, and dental materials used commonly and the role of the dental hygienist. Field trips to local commercial dental laboratories and the local dental supply houses.

**DENTAL HYGIENE 208**—Externship (0-6-0)  
Supervised learning experiences in selected dental offices and field trips to local community dental agencies and specialized dental offices in order to amplify formal teaching.

**DENTAL HYGIENE 209**—Dental Public Health and  
Preventive Dentistry (3-0-0)  
A comprehensive overview of health programs with reference to the needs of the community. Particular attention is given to methods



of prevention and control of dental disease, the promotion of dental health and opportunities for participation by the dental hygienist.

**DENTAL HYGIENE 401—Practicum in Dental Hygiene Education I (1-8-5)**

An introductory field experience in the college dental hygiene clinic, with emphasis on observation, individual and small group teaching and teacher aide work. The first professional course for majors in Dental Hygiene Education.

**DENTAL HYGIENE 402—Practicum in Dental Hygiene Education II (1-8-5)**

A continuation of Dental Hygiene 401. Problems common to beginning dental hygiene teachers, practices and procedures designed to accomplish program objectives, the establishment and organization of content, methods of clinical evaluation and supervision in the dental hygiene clinic.

**DENTAL HYGIENE 403—Practicum in Dental Hygiene Education III (1-8-5)**

An advanced field experience, designed to assist the student in the development of learning activities, teaching procedures and the presentation of materials pertinent to dental hygiene education. The student will develop and teach selected units in the basic dental hygiene sequence.

**DENTAL HYGIENE 404—Dental Hygiene Independent Study (5-0-5)**

Individual independent study and field work in an area of major interest with special relevance to dental hygiene and future career objectives.

### **ANTHROPOLOGY**

See listing under Department of Psychology and Sociology)

### **ART**

(See listing under Department of Fine Arts)

## **DEPARTMENT OF BIOLOGY**

Professor Leslie B. Davenport, Jr., Head; Associate Professors Beltz and Thorne; Assistant Professors Brower and Whicker

### **DEPARTMENTAL REQUIREMENTS FOR THE MAJOR IN BIOLOGY**

The major in biology consists of Zoology 101-102, Botany 121, 122, and at least 40 quarter hours credit in biology courses (botany, zoology, etc.) numbered 300 or above. In addition, biology majors must complete the course sequence in organic chemistry (15 quarter hours). The course in General College Physics (15 quarter hours) is strongly recommended and should be considered essential for those who expect to continue the study of biology beyond the B.S. degree.

Every student acquiring a major in biology must include in the program the following courses: Biology 370; Biology 380; and Botany 380 or Zoology 390.

Beginning students who have successfully completed strong courses in biology in high school are advised to take the examination for advanced placement which are offered with the College Entrance Examinations. Arrangements to take these may be made through the office of the Dean of Student Affairs.

### *Course Offerings*

**BIOLOGY 210**—Microbiology (3-4-5). Summer. Prerequisites: 10 hours of biological science with laboratory and 5 hours of inorganic chemistry.

An introduction to the study of micro-organisms with primary emphasis on bacteria. The morphology, life history, and public health importance of representative bacteria, molds, viruses, protozoa, and helminths are considered. This course is intended primarily for nursing students.

**BIOLOGY 351**—Introductory Microbiology, I. (3-4-5). Fall. Prerequisites: 10 hours of biological science, Chemistry 128-1.

A survey of micro-organisms with special emphasis on bacteria and their relationships to man.

**BIOLOGY 352**—Introductory Microbiology, II. (3-4-5). Winter. Prerequisite: Biology 351.

A survey of the microscopic and macroscopic fungi common to the local geographic area.

**BIOLOGY 358**—Histological Technique. (0-10-5). Prerequisites: Botany 121-122 or Zoology 101-102.

Principles and methods of killing, fixing, embedding, sectioning, staining, and mounting plant and animal materials for study.

**BIOLOGY 370**—Genetics (3-4-5). Winter. Prerequisites: Botany 122 or Zoology 101-102.

An introduction to the principles of biological inheritance.

**BIOLOGY 380**—General Ecology (3-4-5). Spring. Prerequisites: Two upper division courses in biology (botany or zoology).

A survey of the principles of ecology and their application to the welfare of man, co-ordinated with a study of populations and communities in the field.

**BIOLOGY 410**—Cellular Physiology (3-4-5). Spring. Prerequisites: At least third quarter junior status; two senior division courses in biology; and organic chemistry.

A consideration of the functional relationships between microscopic anatomy and cell chemistry, emphasizing permeability, metabolism, and growth.

**BIOLOGY 440**—Cytology (2-6-5). Fall. Prerequisite: Two senior division courses in biology.

The study of cells, their cytoplasm and nuclei, growth, differentiation, and reproduction.

**BIOLOGY 450**—Evolution (3-0-3). Winter. Prerequisite: Major in biology (at least 15 qtr. hrs. credit in senior division courses).

Modern concepts in organic evolution.

**BOTANY 121**—General Botany (3-4-5). Offered each quarter. A study of the structure of the roots, stems, and leaves, basic physiology and ecology of plants. Laboratory work on representative species.

**BOTANY 122**—General Botany (3-4-5). Offered each quarter. A study of reproduction, heredity, and evolution of seed plants, with studies of representative species of the other major plant groups.

**BOTANY 305**—Identification of Flowering Plants (0-10-5). Spring. Prerequisite: Botany 121.

Studies in the identification of plants with emphasis on local flora.

**BOTANY 323**—Plant Anatomy (0-10-5). Fall. Prerequisite: Botany 121-122.

The origin and development of the organs and tissue systems of vascular plants, and a comparative study of the structure of roots, stems, leaves, flowers and fruits.

**BOTANY 380**—Plant Physiology (3-4-5). Prerequisites: Botany 121 and 122.

A survey of physiological processes occurring in economic plants and the conditions which affect these processes. (Not offered 57-68).

**BOTANY 425**—Plant Morphology (3-4-5). Fall. Prerequisite: Botany 323.

Comparative studies of vascular plants with emphasis on form, structure, reproduction, and evolutionary relationships.

**ENTOMOLOGY 301**—Introductory Entomology I (3-4-5). Prerequisites: Zoology 101-102.

An introduction to the study of insects—their structure, identification, and biology.

**ZOOLOGY 101**—General Zoology (3-4-5). Offered each quarter.

A basic course in biological principles with emphasis upon animal life; includes consideration of cellular phenomena and a survey of the major animal phyla.

**ZOOLOGY 102**—General Zoology (3-4-5). Offered each quarter. Prerequisite: Zoology 101.

A continuation of the study of biological principles with emphasis upon animal life; includes consideration of the structure and function of vertebrate organ systems, reproduction, embryology, genetics, evolution, and ecology.

**ZOOLOGY 10N**—Human Anatomy and Physiology for Nursing Students (4-2-5). Winter. Not open to pre-professional students in the biological sciences.

A basic course considering the gross anatomy, histology, and physiology of the human organ systems.

**ZOOLOGY 225**—Invertebrate Zoology (3-4-5). Fall. Prerequisite: Zoology 101-102.

A survey of the invertebrate animals, their biology, structure, and relation to other animals.

ZOOLOGY 226—Vertebrate Zoology (3-4-5). Prerequisite: Zoology 101-102.

A study of the structure, body functions, interrelations, and natural history of the vertebrate animals.

ZOOLOGY 355—Embryology (3-4-5). Fall. Prerequisites: Zoology 101-102 or equivalent in another biological science.

An elementary course in embryology in which the chick is used to illustrate the basic principles of developmental anatomy.

ZOOLOGY 356—Comparative Anatomy of the Vertebrates (3-6-6). Winter. Prerequisite: Zoology 101-102.

A study of the anatomy and evolution of the organ systems of the vertebrates.

ZOOLOGY 357—Animal Histology (3-4-5). Prerequisites: Zoology 101-102.

A study of the tissues and their organization into organs and organ systems in animals.

ZOOLOGY 372—Parasitology (3-4-5). Spring. Prerequisites: Zoology 101-102 and Zoology 325.

A comparative study of the internal and external parasites of man and other animals.

ZOOLOGY 390—General Vertebrate Physiology (3-4-5). Prerequisites: Zoology 101-102 and Organic Chemistry.

An introduction to the general physiologic processes of the vertebrate.

ZOOLOGY 429—Endocrinology (3-4-5). Prerequisites: Zoology 390 and one other senior division course in biology.

Physiology of the endocrine glands, their control of metabolism and reproductive cycles.

## BOTANY

(See listing under Department of Biology)

## DEPARTMENT OF BUSINESS ADMINISTRATION

Professor Orange Hall, Head; Professors Davis and Bhatia; Associate Professor Haas; Assistant Professors DeCastro, John Morgan, and Vining.

Major Concentrations. (For Business Education, see listing under Teacher Education). No student will be allowed to take upper division courses unless he has a minimum grade of C in all prerequisite courses in his major field. An average of at least 2.0 in his major courses will be a requirement for graduation.

### 1. ACCOUNTING

B.A. 301, 302 Intermediate Accounting I, II, and foreign of the following:

B.A. 329 Cost Accounting I

B.A. 330 Cost Accounting II

B.A. 436 Income Taxation I

- B.A. 437 Income Taxation II
- B.A. 440 Accounting Systems
- B.A. 450 Auditing Principles
- B.A. 455 Advanced Accounting

## 2. ECONOMICS

- Econ 401 Price and Income Theory
- Econ 435 Seminar on Contemporary Economic Problems, and four of the following:
- Econ 326 Economic History of the United States
- Econ 335 Public Finance
- Econ 345 Economic Development
- Econ 350 Transportation Economics
- Econ 405 Government and Business
- Econ 410 International Trade
- Econ 420 Comparative Economic Systems
- Econ 422 Business Cycles
- Econ 431 Investments
- Econ 445 Independent Study

## 3. MANAGEMENT-MARKETING

- B.A. 465 Business Policy, and five of the following:
- B.A. 308 Business Law II
- B.A. 315 Business Communications
- B.A. 329 or B.A. 301 Cost or Intermediate Accounting I
- B.A. 375 Personnel Administration
- B.A. 411 Marketing Management
- B.A. 412 Marketing Research
- B.A. 425 Managerial Accounting
- B.A. 460 Production Planning and Control
- B.A. 462 Human Relations in Industry
- Econ. 350 Transportation Economics
- Econ. 405 Government and Business
- Psych. 320 Industrial Psychology

### *Course Offerings*

BUSINESS ADMINISTRATION 200—Survey of Business. (5-0-5).

A first course in business Administration majors or an elective for non-majors who wish to gain an understanding of the functioning of business enterprises in our capitalistic system. The course will provide a basic familiarity with: (a) the economic, social, and political environment in which business enterprises operate, and (b) the tools and managerial skills used in business decision-making in the various functional areas such as organization, management, financing, marketing, production and personnel. (Not open to upper-division business majors who have already taken 300-level work)

BUSINESS ADMINISTRATION 211—Introductory Accounting I. (5-0-5).

An introduction to the fundamental principles and procedures

of accounting, including a study of the journal, the ledger, working papers, accounting statements, controlling accounts, special journals, partnerships and corporations.

**BUSINESS ADMINISTRATION 212**—Introductory Accounting II. (5-0-5). Prerequisite: Business Administration 211.

An application of accounting principles to certain problems such as departmental operations, manufacturing accounts, the analysis of financial statements, accounting aids to management, statement of application of funds.

**BUSINESS ADMINISTRATION 301**—Intermediate Accounting I. (5-0-5). Prerequisite: Business Administration 212.

Accounting theory and the solution of problems requiring application of accounting theory.

**BUSINESS ADMINISTRATION 302**—Intermediate Accounting II. (5-0-5). Prerequisite: Business Administration 301.

A continuation of Business Administration 301 emphasizing the theories of valuation of fixed assets and liability accounts, the application of these theories and the interpretation of financial statements prepared on the basis of these theories.

**BUSINESS ADMINISTRATION 307**—Business Law (5-0-5).

Law governing the basic principles applicable to the following subjects: Contracts, offer and acceptance, consideration, rights of third parties and discharge; agency, liabilities of principal and agent; negotiable instruments, elements of negotiability, endorsement and transfer, liabilities of parties.

**BUSINESS ADMINISTRATION 308** — Business Law (5-0-5).

The law applicable to the following subjects: partnership formation, powers and liabilities of partners; corporation, formation, powers, rights of security holders; sales, vesting of title, warrants, remedies.

**BUSINESS ADMINISTRATION 315**—Business Communications. (5-0-5).

Principles of effective business communications, application of these principles to business and technical report writing, correspondence, and other information media.

**BUSINESS ADMINISTRATION 320** — Business Finance (5-0-5). Prerequisite: Business Administration 212.

The internal and external sources of financing for business enterprises; acquisition and management of long-term and short-term funds; types of securities; equity and debt instruments; problems of financial management.

**BUSINESS ADMINISTRATION 329** — Cost Accounting (5-0-5). Prerequisite: Business Administration 212.

Methods of determining and distributing costs in manufacturing, including job order and process methods.

**BUSINESS ADMINISTRATION 330** — Cost Accounting (5-0-5). Prerequisite: Business Administration 329.

Standard cost procedures; budgeting; distribution costs and special cost problems.

**BUSINESS ADMINISTRATION 340** — Principles of Marketing. (5-0-5). Prerequisite: Business Administration 200 or Economics 202.

Principles and methods involved in the movement of goods and services from producers to consumers. Subject is approached from the functional, institutional, commodity, and integrated analytical viewpoints.

**BUSINESS ADMINISTRATION 360** — Principles of Management. (5-0-5). Prerequisite: Business Administration 200 or 212.

The basic principles of management applicable to all forms of business and to all levels of supervision; the functions of planning, organizing, directing, and controlling as components of the management process.

**BUSINESS ADMINISTRATION 375** — Personnel Administration. (5-0-5). Prerequisite: Business Administration 200 or Economics 201.

Personnel administration as a staff function. Employment standards, training, safety and health, employee services and industrial relations.

**BUSINESS ADMINISTRATION 411** — Marketing Management (5-0-5). Prerequisite: Business Administration 340. Management of marketing organizations, with emphasis on planning, organizing and controlling the marketing organization; internal and external communications; marketing management decision-making.

**BUSINESS ADMINISTRATION 412** — Marketing Research (5-0-5). Prerequisite: Business Administration 340. Sampling, survey, experimental and other research techniques for determining customer preferences and market potentials. Interpretation and presentation of research findings for management decision making.

**BUSINESS ADMINISTRATION 425** — Managerial Accounting. (5-0-5). Prerequisite: Business Administration 212. Emphasizes theory and practice of accounting from the standpoint of those who direct business operations and shape business policy.

**BUSINESS ADMINISTRATION 436** — Income Taxation I. (5-0-5). Prerequisite: Business Administration 212. A study of federal income tax law and regulations; the income tax returns of individuals, partnerships, and corporations.

**BUSINESS ADMINISTRATION 437** — Income Taxation II. (5-0-5). Prerequisite: Business Administration 436 or consent of instructor. A continuation of Business Administration 436 with emphasis on corporations and fiduciary returns, gift taxes, and estate taxes.

**BUSINESS ADMINISTRATION 440** — Accounting Systems. (5-0-5). Prerequisite: Business Administration 302. The design

and installation of appropriate accounting systems in accordance with the needs of the business being serviced.

**BUSINESS ADMINISTRATION 450** — Auditing Principles (5-0-5). Prerequisite: Business Administration 302. The principles of audits and financial verifications, standards of field work, preparation of audit working papers, writing audit reports, and auditing ethics.

**BUSINESS ADMINISTRATION 455** — Advanced Accounting (5-0-5). Prerequisite: B.A. 301 and 302. Selected problems in accounting. Analysis and evaluation of methods used for organizing and solving special accounting problems.

**BUSINESS ADMINISTRATION 460** — Production Planning and Control. (5-0-5). Prerequisite: Business Administration 200 or upper-division status and consent of instructor. Appreciation of the principles of production management is developed through study of plant layout, inventory control, materials handling, production scheduling, quality control, and associated topics.

**BUSINESS ADMINISTRATION 462** — Human Relations in Industry. (5-0-5). Prerequisite: Business Administration 200 or upper division status and consent of instructor. A study of the process of integrating people into the work situation so that they are motivated to work together harmoniously, productively, and with economic, psychological and social satisfaction.

**BUSINESS ADMINISTRATION 465** — Business Policy (5-0-5). Prerequisite: Business Administration 360 or consent of instructor. The formulation and application of business policy by top management. Emphasis is on decision-making.

## COMMERCE

**COMMERCE 101** — Beginning Typing (0-5-2). Fall, Winter and Spring.

This course consists of introductory instruction in the technical features and care of the machine, position, fingering, proper technique and mastery of the keyboard.

**COMMERCE 102** — Beginning Typing Continued (0-5-2). Fall, Winter and Spring.

This course is a continuation of speed development. In addition, instruction in typing letters and setting up simple tabulations is given.

**COMMERCE 103** — Intermediate Typing (0-5-2). Fall, Winter and Spring. Prerequisite: Commerce 101-102 or equivalent.

A typewriter course in which emphasis is placed on speed building and accuracy. Special typing problems such as business letters, minutes, notices, stencil cutting and carbon copies are stressed.

**COMMERCE 111** — Beginning Shorthand (5-0-3). Fall.

Complete theory of Gregg Shorthand simplified. Reading dictation and transcription from studied material. A dictation speed of 65 words a minute is attained.



COMMERCE 112 — Beginning Shorthand (Continued) (5-0-3).  
Winter.

A continuation of beginning shorthand from foundation learned fall quarter. Students entering directly into this course must have a knowledge of basic brief forms and the fundamentals of beginning Gregg shorthand.

COMMERCE 113 — Intermediate Shorthand (5-0-3). Spring. Dictation and transcription of new and studied material. Student is required to take dictation at the rate of 100 words a minute.

COMMERCE 201 — Advanced Typing (0-5-2). Fall, Winter and Spring. Prerequisite: Commerce 103 or equivalent.

Advanced typing is a course in the acquisition of speed and accuracy including various legal forms and papers, manuscripts and business papers. Most of the student's work is done on a production timing basis.

COMMERCE 202 — A continuation of Commerce 201 (0-5-2). Fall, Winter and Spring.

COMMERCE 203 — A continuation of Commerce 202 (0-5-2). Fall, Winter and Spring. An average of 60 words a minute is attained.

COMMERCE 211 — Advanced Shorthand (5-0-3). Fall. Prerequisites: Commerce 111, 112, 113 or equivalent.

A course in which the principles of Gregg Shorthand are applied in developing skill and accuracy in writing shorthand and transcribing. Dictating and typing of mailable letters are emphasized. A speed of 120 words a minute for five minutes is attained.

COMMERCE 213 — Office Practice (5-0-5). Spring. Prerequisite: Commerce 112 or equivalent or permission of instructor.

Typical business office situations are duplicated as nearly as possible, including the instruction of various business machines. Practical problems deal with typing, filing and office courtesy.

### ECONOMICS

ECONOMICS 201 — Principles of Economics I. (5-0-5).

A study of the principles underlying the economic institutions of the present time and their application to economic problems. Microeconomics or macroeconomics is emphasized.

ECONOMICS 202—Principles of Economics II. (5-0-5).

Microeconomics, with emphasis on the theory of prices and factor shares. If a student plans to take only one economics course, Economics 201 or Economics 326 would be more suitable than Economics 202.

ECONOMICS 326—Economic History of the United States. (0-5).

The growth and development of economic institutions in the United States from the colonial period to the present, with emphasis on the period since 1860, and including developments in agriculture, industry, labor, transportation, and finance.

ECONOMICS 327—Money and Banking. (5-0-5). Prerequisite: Economics 201.

Monetary theory, banking theory and practice, central bank controls, other financial institutions, credit flows, monetary policies to achieve desired economic effects.

ECONOMICS 331 — Labor and Industrial Relations. (5-0) Prerequisite: Economics 201.

The development and structure of the labor movement in the United States; the principles of wage determination; collective bargaining; and public policy toward labor unions.

ECONOMICS 335 — Public Finance. (5-0-5). Prerequisite: Economics 201.

The economic effects of governmental taxation, expenditures and public debt management. The principal sources of revenue and types of expenditures at the federal, state, and local levels. The proper scope of government and issues of fairness in taxation.

ECONOMICS 345—Economic Development. (5-0-5). Prerequisite: Economics 201. The nature and causes of economic stagnation in developing nations of the world, urgent need for their economic development, theory of economic growth, ways of fostering development, and balanced growth and industrialization.

ECONOMICS 350—Transportation Economics. (5-0-5). Prerequisite: Economics 201. The economic aspects of transportation; significant developments in the fields of highway transport, water transport, and air transport, and in regulatory policy concerning the transportation industry.

ECONOMICS 401—Price and Income Theory. (5-0-5). Prerequisite: Economics 202. Economic analysis, especially the theories of production, price determination, factor shares, income distribution and determination.

ECONOMICS 405—Government and Business. (5-0-5). Prerequisite: upper-division status. The effects of public policies upon business and industry, with emphasis on anti-trust, taxation, regulatory, and defense policies.

ECONOMICS 410 — International Trade. (5-0-5). Prerequisite: Economics 202. Export-import trade, emphasizing exchange techniques, balance of trade and payments accounts, and the theory of international specialization and exchange, the relationship of international transactions to national income.

ECONOMICS 420 — Comparative Economic Systems. (5-0-). Prerequisite: Economics 202. Study of economic problems under different economic systems such as capitalism, socialism; and a transition to Marxian economic theory.

ECONOMICS 422 — Business Cycles. (5-0-5). Prerequisite: Economics 327 or Economics 201 and consent of instructor. A study of cycle and growth theories, causes of business fluctuations, means of prevention or control, policy proposals to maintain full employment and price stability. Problems of economic growth and forecasting.

**ECONOMICS 431** — Investments. (5-0-5). The investment risks in different investment media; selection of appropriate media in accordance with individual or institutional goals and risk-bearing capacity. Types of investments and securities.

**ECONOMICS 435**—Seminar on Contemporary Economic Problems. (5-0-5). Prerequisites: Economics 201 and 202. General problems of production, employment and income, with special reference to the specific problems faced by the American economic system.

**ECONOMICS 445**—Independent Study. (5-0-5). Mature students of economics may be permitted to undertake special independent studies in one or more aspects of economics, under the supervision and guidance of a member of the faculty. Normally, the subject matter covered will parallel a bulletin-described course which is only infrequently offered. The student will meet frequently with his advisor and will be expected to submit reports in connection with his studies. Approval of the Advisor and the Department Head will be necessary for admittance to this course.

## DEPARTMENT OF CHEMISTRY & PHYSICS

Professor Fretwell G. Crider, Head; Associate Professors Brewer, Harris, Robbins, and Stratton; Assistant Professor Hill

### Departmental Requirements for the Major in Chemistry

	Qtr. Hrs.
Major Requirements	
A. Lower Division	
General Inorganic Chemistry (128, 129)	10
Analytic Chemistry (Qual. 281; Quant. 282)	10
B. Upper Division	
Organic Chemistry (341, 342, 343)	15
Physical Chemistry (491, 492, 493)	12
Electives (13 qtr. hrs.) from the following:	13
Advanced Inorganic (421) 4 qtr. hrs.	
Qualitative Organic Analysis (448) 4 qtr. hrs.	
Instrumental Analysis (480) 5 qtr. hrs.	
Special Problems in Chemistry (498, 499) 1-5 qtr. hrs.	
Chemistry 431, 432, 441	
Requirements in Related Fields	
A. Mathematics through Calculus	5
B. Physics	15

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5  
3  
8

### Course Offerings

## CHEMISTRY

**CHEMISTRY 121, 122**—General Inorganic (4-3-5). Prerequisite: Entrance Requirements.

This course is designed for the student who is pursuing a non-science college major. It includes a study of the fundamental laws

and theories of chemistry emphasizing the descriptive chemistry of the elements and their relationships as shown in the Periodic Table. The course is a lecture and laboratory study with minimum reliance on mathematics.

CHEMISTRY 128, 129—General Inorganic (4-3-5). Prerequisite: Mathematics 9.

A study of the fundamental principles and laws of chemistry with a quantitative approach to the subject. This course is designed for the science major expecting detailed work in the modern concept of the atom, chemical bonding and a thorough treatment of the chemistry of particular elements, families and groups. The laboratory work includes an understanding of fundamental techniques as applied to beginning experiments and a study of properties and preparations.

CHEMISTRY 281—Qualitative Inorganic Analysis (3-6-5). Prerequisite: Chemistry 129.

Theory and adequate laboratory practice in the analysis of common cations and anions.

CHEMISTRY 282 — Quantitative Inorganic Analysis (2-4-5). Prerequisite: Chemistry 281.

The fundamental theories and practice of gravimetric and volumetric analysis with an introduction to instrumental analysis.

CHEMISTRY 341, 342, 343—Organic Chemistry (3-6-5). Prerequisite: Chemistry 129.

Three quarter course in the study of aliphatics, aromatic hydrocarbons and their derivatives. Includes the study of polyfunctional compounds, polynuclear hydrocarbons, carbohydrates, amino and heterocyclics and related compounds. The course will emphasize organic reactions in terms of modern electronic theory.

CHEMISTRY 350—Chemical Literature (2-0-2). Prerequisite: Chemistry 342 or consent of Department Head.

A study of the use of the chemical library and the important journals, references and information sources. Course will include instruction in report writing.

CHEMISTRY 360—Biochemistry (5-0-5). Prerequisite: Chemistry 343.

A study of the chemical nature of cellular constituents and their metabolisms.

CHEMISTRY 371 — Industrial Chemistry (3-0-3). Prerequisite: Consent of Department Head.

This course presents a study of inorganic chemical industries. It deals with chemical processes and modern developments in the industries. A survey of operations and economics is given.

CHEMISTRY 372—Industrial Chemistry (3-0-3). Prerequisite: Consent of Department Head.

This course covers the important organic chemical industries in the same manner as Chemistry 371.

CHEMISTRY 421—Advanced Inorganic Chemistry (3-3-4). Prerequisite: Chemistry 282.

Selected topics in inorganic chemistry tending to increase students' understanding of mechanisms of chemical reactions. Emphasizes the periodicity of elements.

CHEMISTRY 431, 432 — Seminars (3-0-3). Prerequisites: Chemistry 493, Chemistry 343, or Chemistry 421.

Selected topics for group discussion.

CHEMISTRY 441—Advanced Organic Chemistry (3-0-3). Prerequisite: Chemistry 343.

A further study of important organic reactions emphasizing theories of reaction mechanisms of organic chemistry.

CHEMISTRY 448—Organic Qualitative Analysis (2-6-4). Prerequisite: Chemistry 343.

Systematic approach to the identification of organic compounds.

CHEMISTRY 480 — Instrumental Analysis (2-9-5). Prerequisites: Chemistry 282, 342.

Includes study of principles involved in the operation and the laboratory use of special instruments for analysis.

CHEMISTRY 491, 492, 493—Physical Chemistry (3-3-4). Prerequisites: Chemistry 343, 282. Physics 213. Mathematics 104.

Fundamental principles of physical chemistry including the study of solids, liquids, gases, thermochemistry, thermodynamics, solutions. The course will also cover a study of chemical equilibria, chemical kinetics, electrochemistry, colloids, quantum mechanics and nuclear chemistry.

CHEMISTRY 498, 499—Special Problems (Schedule and credit vary). Prerequisites: Chemistry 493 and consent of Department Head.

Problems to be assigned and work directed by a member of the Department. Supervised research including literature search, laboratory experimentation and presentation of results. Course credit depends on problem.

CHEMISTRY 105—Chemistry for Nurses (4-3-5).

Principles of inorganic, organic and physiological chemistry with a special application to nursing practice.

## PHYSICAL SCIENCE

PHYSICAL SCIENCE 111 — Physical Environment (5-0-5). Prerequisite: Entrance Requirements.

An elementary survey of the fundamentals of general physics, including mechanics, electricity and magnetism, and modern physics. Designed for the student who pursues a non-science major. This course employs lectures, demonstrations, visual aids and problems to assure familiarity with basic formulas and principles. Only simple mathematics is utilized. No credit is given to a student who has completed a course in college physics.

PHYSICAL SCIENCE 113—Meteorology, Geology, Astronomy (5-0-5). Prerequisite: Entrance requirements.

## PHYSICS

PHYSICS 211—Mechanics (4-2-5). Fall, Summer. Prerequisite: Mathematics 101.

The first part of the sequence Physics 211-212-213 in general physics. Basic classical physics, including mechanics, sound, and heat. Designed for non-science majors with aptitude in mathematics below the level of calculus. Lectures, demonstrations, visual aids, problems, and laboratory work to assure familiarity with fundamental laws and principles.

PHYSICS 212 — Electricity, Magnetism, Basic Light (4-2-5). Winter. Prerequisites: Mathematics 101 and Physics 211.

The second part of the sequence Physics 211-212-213. Basic electricity, magnetism, and geometrical optics.

PHYSICS 213 — Light Phenomena, Modern Physics (4-2-5). Spring. Prerequisites: Mathematics 101 and Physics 212.

The last part of the sequence Physics 211-212-213. Continues the study of light from the viewpoint of physical optics, and concludes with the study of modern physics. Laboratory work consists of two selected experiments of advanced scope.

PHYSICS 217 — Mechanics (5-3-6). Fall, Summer. Prerequisite: Mathematics 104, or concurrently.

The first part of the sequence Physics 217-218-219 in general physics. Basic classical physics, including mechanics, sound, and heat. Designed for science majors and engineering students. Lectures, demonstrations, visual aids, problems, and laboratory work to assure familiarity with fundamental law and principles.

PHYSICS 218 — Electricity, Magnetism, Basic Light (5-3-6). Winter. Prerequisites: Mathematics 104 and Physics 217.

The second part of the sequence Physics 217-218-219. Basic electricity, magnetism, and geometrical optics.

PHYSICS 219 — Light Phenomena, Modern Physics (5-3-6). Spring. Prerequisites: Mathematics 104 and Physics 218.

The last part of the sequence Physics 217-218-219. Continues the study of light from the viewpoint of physical optics, and concludes with the study of modern physics. Laboratory work consists of two selected experiments of advanced scope.

## CHINESE

(See listing under Department of Foreign Language)

## COMMERCE

(See listing under Department of Business Administration)

## DENTAL HYGIENE

(See listing under Department of Allied Health Services)

## ECONOMICS

(See listing under Department of Business Administration)

## DEPARTMENT OF EDUCATION

Professor William W. Stokes, Head; Professor Parry;  
Instructor Hardee

The purpose of the Department of Education is to co-ordinate college-wide programs of teacher education and to offer professional courses for the pre-service and in-service preparation of teachers. For specific requirements of the teacher education programs offered by the college, see pages 64-71.

### *Course Offerings*

EDUCATION 103—Orientation to Teaching. (5-0-5).

The study of the status of education and of teaching as a profession. The student engages in directed self-study and plans for achievement of his professional goals.

EDUCATION 303—Orientation to Teaching. (5-0-5).

For transfer and other students who have not had Education 103, or the equivalent in preparation for formal admission to the teacher education program.

EDUCATION 301 — Child Development and the Educative Process. (2-6-5).

A study of the developmental learning characteristics of pupils in relation to ways in which the school environment may elicit their development. Students attend seminars on campus and serve as teacher aides in selected elementary schools. Application for this course must be made with the Co-ordinator of Elementary Education the quarter preceding registration for the course. Prerequisite: Admission to Teacher Education.

EDUCATION 425—The Teaching of Reading. (5-0-5).

The teaching of reading including methods, techniques, and materials. Prerequisite: Admission to Teacher Education.

EDUCATION 435—Elementary School Curriculum. (5-0-5).

The study of existing instructional programs and experiences in curriculum design. Directed observation. Prerequisite: Edu. 301 and Psy. 301, or permission of the instructor. Corequisite: Edu. 301.

EDUCATION 436—Elementary School Methods. (5-0-5).

The study and evaluation of teaching methods, materials, and equipment in the various teaching fields. Actual unit development and preparation for student teaching. Prerequisite: Edu. 301 and Psy. 301, or permission of the instructor. Corequisite: Edu. 435.

EDUCATION 437-440—Secondary School Curriculum and Methods. (5-0-5).

The study of secondary school curriculum with emphasis upon materials and methods of teaching. Directed observation. Registration is by section as indicated below: Prerequisite: Admission to Teacher Education and Psy. 301.

EDUCATION 437—Secondary School Curriculum and Methods, General.

EDUCATION 438—Secondary School Curriculum and Methods  
Business Education.

EDUCATION 439—Secondary School Curriculum and Methods  
English.

EDUCATION 440—Secondary School Curriculum and Methods  
Social Science.

Education 446, 447, 448 — Student Teaching. (15 quarter  
hours).

Students are placed in selected schools for one quarter as all-  
time student staff members. Classroom teaching experiences and  
other staff responsibilities are jointly supervised by the college  
staff and supervising teachers in the selected schools. Prerequi-  
site: See Page 28.

### EDUCATION COURSES OFFERED IN OTHER DEPARTMENTS

ART 320—Art for the Elementary Teacher. (4-2-5).

A study of materials and methods for teaching art at the  
elementary school level. Prerequisite: Admission to Teacher Edu-  
cation.

ENGLISH 331—Children's Literature. (5-0-5).

The literary genres usually emphasized in elementary and sec-  
ondary schools will be studied. The primary purpose of this course  
will be to consider how literature may both stimulate the child and  
cater to his interests as well. Secondary purposes will be the con-  
sideration of critical techniques, methodology, and overall use-  
fulness of materials studied. Prerequisite: Admission to Teacher  
Education.

MATHEMATICS 452—Basic Ideas of Arithmetic. (5-0-5)

This course is designed to give elementary teachers a clear  
understanding of the fundamental ideas of arithmetic and to ac-  
quaint them with the material currently being used in the elemen-  
tary schools. Prerequisite: Mathematics 105, and Admission to  
Teacher Education.

MUSIC 320—Music for the Elementary Teacher. (5-0-5).

An introduction to music skills and materials for the elementary  
classroom teacher. Prerequisite: Admission to Teacher Education.

PHYSICAL EDUCATION 320—Health and Physical Education  
for the Elementary Teacher. (5-0-5).

An introduction to the teaching of health and physical edu-  
cation for the elementary teacher. Prerequisite: Admission to Teach-  
er Education.

PSYCHOLOGY 301—Educational Psychology. (5-0-5).

The application of behavioral science to the problems of learn-  
ing in the classroom. Prerequisite: Psychology 101 and Admission  
to Teacher Education.

### ENGINEERING

(See listing under Department of Mathematics)



## DEPARTMENT OF ENGLISH & SPEECH

Professor Hugh Pendexter III, Head; Professors Anchors, Seale, Strozier; Assistant Professors Bakker, Brooks, Chew, Ramsey, Welsh and White.

### DEPARTMENTAL REQUIREMENTS FOR THE MAJOR IN ENGLISH

A student majoring in English must complete at least 40 hours upper-division courses (300-400 level) in the major field, of which at least 15 hours must be on the 400 level. A major program must include at least one of the starred courses in each of the following groups:

- I. Shakespeare (404\*)
- II. English Literature before 1700 (300\*, 301\*, 321, 402, 403)
- II. English Literature after 1700 (303\*, 305\*, 306\*, 307\*, 311, 312, 322)
- V. American Literature (309\*, 310\*, 313, 322)
- V. Comparative Literature or English Language (314\*, 318\*, 322\*, 325\*, 332\*, 333\*, 410\*)

The major shall select one area of specialization from groups IV and complete at least two additional courses in that area (starred or unstarred). English 400 and 490 may, depending on the subject, be counted in any area of specialization.

The major program must also include proficiency in a foreign language equivalent to courses 101 through 104, and 25 quarters of courses, approved by the major department, from these related fields: literature in a foreign language, history, philosophy, art, music, speech.

### *Course Offerings*

#### ENGLISH

Students will be assigned to freshman English according to results of tests taken before the beginning of the term.

ENGLISH 100—Fundamentals of Composition (3-4-5). (Offered only in summer.)

This is the study and practice of sentence and paragraph structure. Students must learn to write clearly, logically, coherently, and *correctly*. In the 2-hour reading laboratory students work to prove reading comprehension. In the 2-hour writing laboratory they practice in composition.

ENGLISH 101 — Composition (5-0-5). Prerequisite: Assignment to this course is based on entrance test results or the successful completion of English 100. English 101 must be completed with a grade of "C" in order to enter English 102. A library paper written during the term.

ENGLISH 102 — Composition & Introduction to Literature (5-0-5). Prerequisite: English 101.

Emphasis in composition is on critical papers longer than 1,000 words. Reading assignments are from classical epics and tragedy, and the Bible.

ENGLISH 103—Honors Composition (5-0-5).

Instructions in this course will not follow the traditional lecture method only; the students will read, and write a research paper (or papers) in the fashion which the instructor thinks will best discipline them for independent study.

ENGLISH 104—Honors Composition and Introduction to Literature (5-0-5).

In this course the students will read material in addition to the literature assigned for English 102 and write critical papers on topics selected from the periods covered.

ENGLISH 201—Masterpieces of Literature I (5-0-5). Prerequisite: English 101, English 102. Literary masterpieces from 1350-1835.

ENGLISH 202—Masterpieces of Literature II (5-0-5). Prerequisite: English 101, English 102, English 201. Literary masterpieces 1850 to present.

**Period Courses** (poetry and prose, with a slight sampling of drama).

ENGLISH 300 — Early English Literature-Beginning through 1485 (5-0-5).

ENGLISH 301—Renaissance-1485 - 1603 (5-0-5).

ENGLISH 302—17th Century - 1603 - 1660 (5-0-5).

ENGLISH 303—Restoration and 18th Century - 1660 - 1798 (5-0-5).

ENGLISH 305—19th Century I. Romantic (5-0-5).

ENGLISH 306—19th Century II. Victorian (5-0-5).

ENGLISH 307—Twentieth Century British (5-0-5).

ENGLISH 308 — American Literature - Beginning through Twain (5-0-5).

ENGLISH 310—American Literature from the rise of Naturalism to the present (5-0-5).

ENGLISH 332—Medieval and Renaissance European Literature (5-0-5).

ENGLISH 333—Modern European Literature (5-0-5).

### **Genre Courses**

ENGLISH 331 — Children's Literature (will not apply toward English major) (5-0-5).

ENGLISH 313—American Novel (5-0-5).

ENGLISH 314—The European Novel (5-0-5).

ENGLISH 318—Greek and Roman Drama in Translation (5-0-5).

ENGLISH 321 — English Drama to 1850 (excluding Shakespeare) (5-0-5).

ENGLISH 322 — Modern British, American, and Continental Drama, Ibsen to present (5-0-5).

ENGLISH 325—Advanced Grammar—An objective examination of the structural patterns of modern English by application of the new analytic and descriptive methods. (Not a review of traditional grammar.) (5-0-5).

ENGLISH 375—The British Novel (5-0-5).

## Senior Courses

ENGLISH 400—Seminar [(1-5)-0-(1-5)]

ENGLISH 402—Milton (5-0-5).

ENGLISH 403—Chaucer (Not offered in 1968-69) (5-0-5).

ENGLISH 404—Shakespeare (5-0-5).

ENGLISH 410—History of the English Language (5-0-5).

ENGLISH 490—Independent Study [(1-5)-0-(1-5)]

## SPEECH

SPEECH 227—Theatre Laboratory (0-3-1). Practical experience in theatre. The student will work on the Masquer's production of the quarter. Only one hour's credit may be earned per quarter. The maximum total credit allowed in Theatre Laboratory is five quarter hours.

SPEECH 228—Fundamentals of Speech (5-0-5). Practice and theory of oral communication. Each student makes several major speeches. The physiology of the speech mechanism is covered, and articulation is studied within the framework of the International Phonetic Alphabet.

SPEECH 341—Oral Interpretation (5-0-5). A practical course in the oral interpretation of poetry and prose. The techniques of literature analysis are stressed along with the vocal techniques needed to communicate an author's mood and meaning.

SPEECH 345—History of the Theatre (5-0-5). A survey of dramatic art from its beginning to present day. The course emphasizes the development of the physical theatre.

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## ENTOMOLOGY

(See listings under Department of Biology)

## DEPARTMENT OF FINE ARTS

Professor Harry Persse, Head; Assistant Professor McKinnell

### DEPARTMENTAL REQUIREMENTS FOR THE MAJOR IN MUSIC

#### The Bachelor of Arts Degree with a Major in Music

The college offers the Bachelor of Arts degree with a major in music. Within this degree program the student may choose a concentration from the areas of performance, music literature, music theory, or music education.

In addition to satisfying the requirements of the core curriculum for the bachelor of arts degree, those majoring in music will complete the following program:

Lower division courses:	Music Theory 110, 111, 112	6
	Sightsinging 101, 102, 103	3
	Music Theory 210, 211, 212	6
	Sightsinging 201, 202, 203	3
	Applied Music 140, 141, 142	6
	240, 241, 242	6

Upper division courses: Music History 310, 311 .....	10
Music Theory 312, 412 .....	1
Applied Music 340, 341, 342 .....	1
440, 441, 442 .....	1

Additional courses in music may be elected by the student but no more than seventy hours in the major field may be applied towards the degree.

In addition to the above, the program must include fifteen to thirty hours of approved electives in related fields.

### *Course Offerings*

#### **ART**

ART 101—Basic Design and Drawing (3-4-5).

An introduction to the principles of design and the means and materials of drawing.

ART 102—Basic Design and Drawing (3-4-5).

A continuation of Art 101.

ART 103—Basic Design and Drawing (3-4-5).

A continuation of Art 102.

ART 200—Art Appreciation (5-0-5).

The study of theories of art and their application in masterworks of art from all ages, directed towards increasing the understanding and enjoyment of art for the non-art major.

ART 201—Drawing and Painting (0-6-3).

Drawing and painting from various figures, animals, and subjects, employing various materials and media.

ART 202—Drawing and Painting (0-6-3).

A continuation of Art 201.

ART 203—Drawing and Painting (0-6-3).

A continuation of Art 202.

ART 290—History of Art (5-0-5).

A survey of world art from ancient times through the Baroque.

ART 291—History of Art (5-0-5).

A survey of world art from the end of the seventeenth century to the present.

ART 320—Art for the Elementary Teacher (4-2-5).

A study of materials and methods for teaching art at the elementary school level.

ART 301—Ceramics (3-4-5).

An introductory course in the fundamentals of pottery, clay modeling, glazing and firing methods.

ART 302—Ceramics (3-4-5).

A continuation of Art 301 with emphasis on the potter's wheel and the study of glaze materials.

ART 303—Ceramics (3-4-5).

A continuation of Art 302 with emphasis on the potter's wheel and an introduction to elementary ceramic technology.

## Course Offerings

### MUSIC

#### Theoretical Courses

- MUSIC 101—Sight Singing (2-0-1). Fall.  
A study of sight singing techniques applied to diatonic materials.
- MUSIC 102—Sight Singing (2-0-1). Winter.  
A continuation of Music 101.
- MUSIC 103—Sight Singing (2-0-1). Spring.  
A continuation of Music 102.
- MUSIC 110—Music Theory and Eartraining (2-1-2). Fall. An introduction to the basic theoretical principles of music and eartraining.
- MUSIC 111—Music Theory and Eartraining (2-1-2). Winter.  
A continuation of Music 110.
- MUSIC 112—Music Theory and Eartraining (2-1-2). Spring.  
A continuation of Music 111.
- MUSIC 201—Sight Singing (2-0-1). Fall  
A study of sight singing techniques applied to chromatic materials.
- MUSIC 202—Sight Singing (2-0-1). Winter.  
A continuation of Music 201.
- MUSIC 203—Sight Singing (2-0-1). Spring.  
A continuation of Music 202.
- MUSIC 210—Music Theory and Eartraining (2-1-2). Fall.  
A continuation of the study of music theory introducing modulation and chromatic material. Prerequisite: Music 112.
- MUSIC 211—Music Theory and Eartraining (2-1-2). Winter.  
A continuation of Music 210.
- MUSIC 212—Music Theory and Eartraining (2-1-2). Spring.  
A continuation of Music 211.
- MUSIC 312—Form and Analysis (3-0-3).  
The study of the formal principles of music as exemplified in musical works of the various style periods.
- MUSIC 320—Music for the Elementary Teacher (5-0-5).  
An introduction to music skills and materials for the elementary classroom teacher.
- MUSIC 350—Conducting (3-0-3).  
An introduction to the problems and techniques of conducting.
- MUSIC 411—Counterpoint (3-0-3).  
A study of the contrapuntal techniques of Renaissance music.
- MUSIC 412—20th Century Materials (3-0-3).  
A study of the materials and techniques of 20th Century music.
- MUSIC 420, 421—Piano Pedagogy (2-0-2) (2-0-2).  
Introduction to techniques of piano instruction from the elementary through the advanced levels.

**MUSIC 450—Orchestration (3-0-3).**

An introduction to the techniques of scoring for instrumental ensembles and the orchestra.

**History and Literature Courses**

**MUSIC 200—Introduction to Music Literature (5-0-5).**

A course designed to help the student understand and enjoy fine music by analysis of form, style and mediums of musical expression from the great periods of musical art. Not open to music majors.

**MUSIC 310—Music History (5-0-5).**

The history of music in Western civilization from its origins through the Baroque period.

Prerequisite: One year of music theory or permission of instructor.

**MUSIC 311—Music History (5-0-5).**

The history of music in Western civilization from the Baroque period to the present.

Prerequisite: One year of music theory or permission of instructor.

**MUSIC 422—Opera Literature (3-0-3).**

A study of operatic masterpieces from the origin of the form to the present.

**MUSIC 490—Independent Study (1 to 5 hours).**

**APPLIED MUSIC COURSES**

Applied music courses consist of one or two twenty-five minute private lessons per week. A special fee of \$24.00 for one lesson per week of \$48.00 for two lessons per week per quarter is applicable.

No Music major will be permitted to register for applied music courses for credit until he has reached an adequate level of proficiency in his instrument. The standard of such proficiency will be set by the Fine Arts Department, and the level of achievement in the individual case will be determined by examination.

**MUSIC 130, 131, 132; 230, 231, 232; 330, 331, 332; 430, 431, 432—Applied Music.** One hour credit per quarter. One twenty-five minute private lesson per week.

**MUSIC 140, 141, 142; 240, 241, 242; 340, 341, 342; 440, 441, 442—Applied Music.** Two hours credit per quarter. Two twenty-five minute private lessons per week.

**DEPARTMENT OF FOREIGN LANGUAGES**

Professor William Easterling, Head; Professor Lubs; Instructor Ferguson.

*Course Offerings*

**CHINESE**

**CHINESE 101-102—Elementary Chinese (10-0-10).** (Not offered 1968-69). A basic training in Chinese conversation and reading.

CHINESE 201—Intermediate Chinese (5-0-5). (Not offered 1968-69).

CHINESE 233—Chinese Literature in Translation (5-0-5). (Not offered in 1968-69).

### \*FRENCH

FRENCH 101-102-103—Elementary French (15-0-15). A course for beginners. The approach is primarily oral, and daily practice with tape recordings is required. No credit for graduation or transfer will be given until the sequence is completed.

FRENCH 110 (3-0-3)—111 (3-0-3)—112 (4-0-4). These are the same courses as French 101-102 above, but more time is allowed for covering the work. Students will be enrolled for these sections on advice of the instructor.

FRENCH 201—Intermediate French (5-0-5). Prerequisite: three quarters of college French or three years of high school French. Further reading of texts, oral and composition practice.

FRENCH 301—French Classical Drama (5-0-5). Prerequisite: French 201. Selected plays of Corneille, Moliere and Racine.

FRENCH 327—French Literature of the Nineteenth Century (5-0-5). Prerequisite: French 201. A study of Romantic prose, poetry, and drama, with lectures and discussions in French.

### \*GERMAN

GERMAN 101-102-103—Elementary German (15-0-15). Drill upon pronunciation and elements of grammar, conversation and the training of the ear as well as the eye. German is used as much as practicable in the classroom instruction. The course includes reading of texts and translations, conversations, dictation, and dialogues. No credit for graduation is allowed until sequence is completed.

GERMAN 110 (3-0-3)—111 (3-0-3)—112 (4-0-4). These are the same courses as German 101-102 above, but more time is allowed for covering the work. Students will be enrolled for these sections on advice of the instructor.

GERMAN 201—Intermediate German (5-0-5). Prerequisite: three quarters of college German or three years of high school German. Further reading of texts, oral and composition practice.

### \*SPANISH

SPANISH 101-102-103—Elementary Spanish (15-0-15). These courses are for the purpose of providing the student with the elements of Spanish reading, composition and conversation. No credit for graduation will be given until sequence is completed.

SPANISH 201—Intermediate Spanish (5-0-5). Prerequisite: three quarters of college Spanish or three years of high school Spanish. Further reading of texts, oral and composition practice.

\*Students who own tape machines may check copies of taped lessons out of the library. These tapes are recorded at 7½ i. p. s.

## FRENCH

(See listing under Department of Foreign Languages)

## GEOGRAPHY

(See listing under Department of History and Political Science)

## GERMAN

(See listing under Department of Foreign Languages)

## DEPARTMENT OF HISTORY & POLITICAL SCIENCE

Professor Roy Carroll, **Head**; Professors Beecher and Wu; Associate Professors Coyle, Haunton, Lanier, Newman; Assistant Professors Boney, Comaskey, Duncan, Gross, McCarthy, Patterson

### DEPARTMENTAL REQUIREMENTS FOR THE MAJOR IN HISTORY

Students planning to major in history are urgently advised to take such courses as will satisfy the basic college requirements for the Bachelor of Arts degree during the Freshman and Sophomore years. Those planning to continue their study of history in graduate school are advised to select French or German as their language. The minimum requirement in addition to History 114 and 115 for a major in history is forty quarter hours from history courses numbered 300 or above. In selecting courses for a major, the student may elect to emphasize the history of the United States, or the history of Europe, but he may not present a major exclusively in either of these areas.

Required courses: History 114, 115, and 300, but History 114 and 115 may not be counted in the forty quarter hours required for the major. It is the policy of the department to advise all history majors to register for History 300 in the first quarter of their Junior year or in the first quarter after they elect to major in history.

The major program must also include proficiency in a foreign language equivalent to courses 101 through 201, and 25 quarter hours of courses, approved by the department, from these related fields: History of Art and Music, Economics, Literature, Philosophy, Political Science, and Sociology.

### *Course Offerings*

#### HISTORY

HISTORY 114—History of Western Civilization. (5-0-5).

A chronological survey of the main currents of political, social, religious, and intellectual activity in western civilization from the time of the ancient Mediterranean civilization to 1715.

HISTORY 115—History of Western Civilization. (5-0-5).

A continuation of History 114 down to the present.



HISTORY 251—American History to 1865. (5-0-5).

A general survey of the political, economic, and social history of the United States to the end of the Civil War.

HISTORY 252—American History Since 1865. (5-0-5).

A general survey of the political, economic, and social history of the United States from 1865 to the present.

HISTORY 300—Problems in Historiography. (5-0-5).

A study of the nature and meaning of history, some of the problems involved in the writing and study of history, and selected interpretations.

HISTORY 320—The Civilization of China and the Far East, Part I. (5-0-5).

The history of East Asian civilization from ancient times through the eighteenth century, with special emphasis on characteristic political, economic, and social developments.

HISTORY 321—The Civilization of China and the Far East, Part II. (5-0-5).

The history of East Asian nations from the nineteenth century to the present, with emphasis on political, social, economic, and intellectual developments.

HISTORY 322—History of Japan. (5-0-5).

A survey of the history of Japan, with major emphasis placed on the development of Japan since 1600.

HISTORY 323—History of India and South Asia. (5-0-5).

A survey of the civilization of South and South-east Asia, with principal attention given to India since 1600.

HISTORY 329—History of Russia to 1917. (5-0-5).

A survey of Russian history during the Kievan, Tartar, Muscovite, and Imperial eras.

HISTORY 330—Twentieth Century Russia. (5-0-5).

An examination of the forces leading to the downfall of Tsarist Russia, the Bolshevik Revolution, and the political, economic, and social history of the Soviet era.

HISTORY 341—History of England, 1450-1690. (5-0-5).

Emphasis is given to the constitutional, religious, and economic developments, but social and intellectual phases are treated.

HISTORY 343—Medieval Europe, 395-1350. (5-0-5).

A study of Europe from the fourth to the fourteenth century, with particular attention to social, economic, and religious developments.

HISTORY 345—The Late Middle Ages and Renaissance. (5-0-5).

The history of Europe from c. 1300 to 1517 with special emphasis on the political, cultural, and intellectual developments which transformed medieval society into Renaissance Man.

HISTORY 347—The French Revolution and Napoleon. (5-0-5).

An investigation of the ideas and events of the Old Regime and the Enlightenment in France; emphasis is also on the impact

of the French Revolution and the career of Napoleon upon the major European nations.

HISTORY 348—The History of Europe from 1815 to 1900. (5-0-5).

A study of the most important social, political, and intellectual directions of European history from the Congress of Vienna to the end of the nineteenth century.

HISTORY 350—Europe in the Twentieth Century. (5-0-5).

A study of the major developments in Europe since 1900, with emphasis upon the origins and impact of the First and Second World Wars.

HISTORY 354—Social and Intellectual History of the United States Since 1865. (5-0-5).

An examination of political theory, social development, and the principal trends of American thought since 1865.

HISTORY 355—Studies in American Diplomacy. (5-0-5).

Studies of American objectives and policies in foreign affairs from colonial times to the present.

HISTORY 356—American Constitutional History. (5-0-5).

A study of the origins, content, and expansion of the Constitution of the United States.

HISTORY 357—The Old South. (5-0-5).

The colonial South through secession; development and operation of the plantation system; emergence of the ante-bellum social and political patterns of the region.

HISTORY 358—The New South. (5-0-5).

Emphasis is placed upon the social, economic, and political readjustments of the late nineteenth century, and the impact of industrialism and liberalism in the twentieth century.

HISTORY 359—Civil War and Reconstruction. (5-0-5).

The causes and significance of the American Civil War, with minor consideration of the military campaigns; political, economic and social aspects of Reconstruction.

HISTORY 360—Recent American History. (5-0-5).

Beginning with the presidency of Rutherford B. Hayes, the course will emphasize populism and progressivism, the period between the wars, and postwar readjustment.

HISTORY 361—Great Historians. 5 quarter hours. (5-0-5).

The course is designed to acquaint the student with major historians and historical philosophies through individual reading under the direction of the instructor.

HISTORY 362—Independent Study. (5-0-5).

Designed to permit superior students to pursue individual research and reading in some field of history under the supervision of a member of the staff. Emphasis will be on wide reading, conferences with the adviser, and written reports and essays. Open only to seniors with a B average in history and in their overall work. Admission will be subject to approval of the individual adviser and of the Head of the Department of History.

## GEOGRAPHY

**GEOGRAPHY 111**—World Human Geography. (5-0-5).

A survey of world human geography, emphasizing population characteristics, topographic features, distribution of economic activities and geo-political problems within the major geographical zones. Consideration of adequacy of resources to support expand-world populations.

## PHILOSOPHY

**PHILOSOPHY 110**—Introduction to Philosophy. (5-0-5).

The fundamentals of philosophy, the meaning and function of philosophy, the vocabulary and problems of philosophy, and the application of philosophy to art, science and religion. Includes a survey of the basic issues and major types of philosophy, and shows the sources in experience, history and representative thinkers.

**PHILOSOPHY 301**. — History of Philosophy: Ancient and Medieval. (5-0-5).

An historical introduction to philosophy, tracing the development of European philosophy from the early Greeks through the Renaissance.

**PHILOSOPHY 302**—History of Philosophy: Modern. (5-0-5).

A continuation of Philosophy 301 from the seventeenth century to the present.

**PHILOSOPHY 320**—Introduction to Oriental Philosophy. (5-0-

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## POLITICAL SCIENCE

### Departmental Requirements for the Major in Political Science

A student majoring in Political Science must complete a minimum of forty quarter hours of upper-division courses (300-400) in the major field. A major program must include Political Science 303 and at least one course from each of the following groups:

American Political Institutions (300, 304, 305, 307)

Comparative Government (301, 302)

International Relations (306, 319, 320)

Political Theory (331, 332).

For the remaining number of required courses, the student must have a reasonable distribution of courses from the four areas listed above. Political Science 400 (Senior Seminar) may be taken with the permission of the Department Head.

The major program must also include proficiency in a foreign language equivalent to courses 101 through 201 (French or German is recommended for those contemplating graduate work), and a minimum of ten quarter hours of courses, approved by the department, from the related fields: economics, psychology, history, geography, philosophy, sociology, and statistics.

## Course Offerings

POLITICAL SCIENCE 113—Government of the United States (5-0-5).

A study is made of the structure, theory, and functions of national government in the United States and some of the major problems of the state and local government. The course shows how developmental practice has created our government as it stands today.

POLITICAL SCIENCE 300—Political Behavior. (5-0-5).

This course emphasizes the economic, psychological, and social aspects of political behavior. It examines the concepts of political roles groups, elites, decision-making, political communications, and systems analysis. Consideration is also given to the basic theoretical variables, and hypotheses used in empirical research in political science.

POLITICAL SCIENCE 301—Comparative Government. (5-0-5).

An analytical and comparative study of the major European governments, with principal emphasis upon the analysis of the conditions which lead to effective and stable parliamentary government, and those which lead to the inefficiency, instability and breakdown of such systems.

POLITICAL SCIENCE 302 — Comparative Government: Asia (5-0-5).

A continuation of Political Science 301, with emphasis on political institutions and problems of government in Asian nations.

POLITICAL SCIENCE 303—Introduction to Political Science (5-0-5).

This course deals with the area of political science as a discipline and serves as an introduction to the systematic study of modern government. Attention is given to the role of politics in society; the nature and origins of the state; the nature and development of political institutions; the bases of political action; and the theoretical forms and processes of government. Required of all political science majors.

POLITICAL SCIENCE 304—Public Administration. (5-0-5).

This is a one quarter course that is primarily concerned with organizational theory and bureaucratic behavior, whether public or private, but with an emphasis on the behavior of the bureaucracy of the national government. This course will also be concerned with the political process as it unfolds in the administration of laws enacted by the Congress. A number of case studies on the subject will be examined in some detail.

POLITICAL SCIENCE 305 — State and Local Government (5-0-5).

This course is concerned primarily with the political process and the behavior of political actors at the local and state level of government primarily in the United States. It is concerned with techniques and research results of the relevant empirical literature.

at has evolved over the past 15 years in the field; i.e., local community studies of Floyd Hunter, Robert A. Dahl, and others.

POLITICAL SCIENCE 306—International Law. (5-0-5).

An introduction to selected public international law topics including: recognition, state succession, jurisdiction, extradition, nationality, the law of treaties, the law of diplomacy, and the law of war.

POLITICAL SCIENCE 307—Constitutional Law. (5-0-5).

A study of the development of the United States government through judicial interpretation of the Constitution. The case study method of analysis is used, but some attention is given also to recent behavioral writings on judicial decision-making. Prerequisite: Political Science 113, or equivalent.

POLITICAL SCIENCE 319—International Relations. (5-0-5).

An introduction to the theories, forces and practices dominating contemporary international relations.

POLITICAL SCIENCE 320—International Relations: The Far East. (5-0-5).

POLITICAL SCIENCE 331-332—Political Theory. (5-0-5).

An historical study of the development of ideas relative to the state and government from Socrates and Plato to the present. Attention is directed primarily to the political thought of a selected group of eminent philosophers.

POLITICAL SCIENCE 331—From Socrates to the 17th Century. (5-0-5).

POLITICAL SCIENCE 332 — From the 17th Century to the present. (5-0-5).

POLITICAL SCIENCE 400—*Senior Seminar*. (5-0-5).

Designed to permit superior students to pursue research and writing in some field of political science under the supervision of department staff. Open only to seniors with a B average in political science. Admission will be subject to approval of the department head.

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## DEPARTMENT OF MATHEMATICS

Professor Lane Hardy, Head; Professors Sanchez-Diaz, Cocley, Laffer; Assistant Professors Semmes, Underwood, Brown, Kle, Hansen, Gibbs.

All degree programs require at least 10 hours of mathematics. This requirement may be satisfied in any one of three ways:

- a) For LIBERAL ARTS MAJORS (English, history, etc.): Mathematics 105 and any one of these courses: Mathematics 106, 107, 108, 109.
- b) For SOCIAL SCIENCE MAJORS (psychology, sociology, business administration, etc.): Mathematics 101 and Mathematics 111.
- c) For SCIENCE MAJORS (physics, chemistry, mathematics, etc.): Mathematics 103 and Mathematics 104.

Students should consult with the department of their major for suitable variations on the above options (a), (b), (c).

## Departmental Requirements for the Major in Mathematics

A major in mathematics will consist of at least 30 quarter hours beyond the calculus sequence (Mathematics 104-201-202-203).

Every major program must include Mathematics 311-312 at least one of these sequences: 331-332; 401-402.

It is recommended that a mathematics major support his work in mathematics with at least 15 qtrs. hrs. of approved elective courses in related fields.

### *Course Offerings*

#### ENGINEERING

##### ENGINEERING GRAPHICS 113—(0-6-2).

Topics of study include lettering (capital and lower case); use of the instruments; geometric construction; orthographic projection; emphasis on descriptive geometry concepts as applied to the solution of problems involving orthographic projection of solid auxiliary views, and points, lines and planes.

##### ENGINEERING GRAPHICS 114—(0-6-2). Prerequisite 113.

Topics of study include the solution of problems involving points, lines and planes by use of the revolution method; intersection of surfaces; warped surfaces: the development of surfaces. Practical applications are emphasized.

##### ENGINEERING GRAPHICS 115—(0-6-2). Prerequisite, 114.

Topics of study include sections and conventions; dimensioning; pictorial representation; detail sketches; shop processes; assembly drawings from detail sketches; working pictorial sketches; introduction to charts and graphs; reproduction processes, ink tracing cloth; graphical calculus.

#### MATHEMATICS

MATHEMATICS 101—College Algebra (5-0-5). Fall, Winter, Spring.

Sets, functions and their graphs, equations, logarithm and exponential functions, polynomials, right triangle trigonometry, elementary statistics and probability.

MATHEMATICS 103—Pre-Calculus Mathematics (5-0-5). Fall, Winter, Spring. Prerequisites: SAT scores of 500 or better, both verbal and mathematics, 8 semesters of high school mathematics or its equivalent (algebra 1, 2, Geometry, Trigonometry) or a grade of C or better in Mathematics 101.

Sets, functions, graphs, real numbers, polynomial functions, trigonometric functions, inverse functions.

MATHEMATICS 104—Analytic Geometry and Calculus (5-0-5). Fall, Spring. Prerequisites: Satisfactory qualifying score on C.E.E.B. Achievement Test Level I or (this applies for the academic year 1968-1969 only) a satisfactory score on the Armstrong Calculus Placement Test (given during the orientation week of the Fall quarter—1968 only) or a grade of C or better in Mathematics 103.

The real numbers (especially the completeness property), coordinate systems, introduction to the integral, areas, differential calculus, the Fundamental Theorem of Calculus.

MATHEMATICS 105—An Introduction to Modern Mathematics (5-0-5). Fall, Winter, Spring.

This course and Mathematics 106, 107, 108, 109 are designed to introduce the non-science major to modern mathematical concepts and to suggest an appropriate cultural setting for the subject.

MATHEMATICS 106—An Introduction to Modern Mathematics Abstract Algebra. (5-0-5). Fall, Winter, Spring. Prerequisite: Mathematics 105 or consent of instructor.

This course as well as Mathematics 107, 108, 109 will proceed in the same spirit as Mathematics 105. A specific area of mathematics will be studied in an effort to acquaint the liberal arts student with the work of contemporary mathematicians. Appropriate topics will be selected from one of the following areas: Abstract Algebra, modern geometry, analysis, mathematical logic.

MATHEMATICS 107—An Introduction to Modern Mathematics Logic (5-0-5). Prerequisite: Mathematics 105 or consent of instructor.

MATHEMATICS 108—An Introduction to Modern Mathematics Geometry (5-0-5). Prerequisite: Mathematics 105 or consent of instructor.

MATHEMATICS 109—An Introduction to Modern Mathematics Analysis (5-0-5). Prerequisite: Mathematics 105 or consent of instructor.

MATHEMATICS 111 — Elementary Statistics (5-0-5). Fall, Winter, Spring. Prerequisites: Mathematics 101 or its equivalent.

MATHEMATICS 201—Analytic Geometry and Calculus (5-0-5). Fall, Winter. Prerequisite: Mathematics 104.

The differential and integral calculus of exponential, logarithmic and inverse trigonometric functions, elementary differential equations, algebra of vectors.

MATHEMATICS 202—Analytic Geometry and Calculus (5-0-5). Fall, Winter, Spring. Prerequisite: Mathematics 201.

Some vector analysis, analytic geometry of two and three dimensions, conics, polar and cylindrical coordinates, the Mean-Value Theorem, Cauchy's Theorem, Taylor polynomials.

MATHEMATICS 203—Analytic Geometry and Calculus (5-0-5). Fall, Winter, Spring. Prerequisite: Mathematics 202.

Problems involving extrema, the theorems of L'Hopital and applications, infinite sequences and series. The solution of linear ordinary differential equations both by operator methods and by series.

MATHEMATICS 235—Finite Mathematics (5-0-5). Prerequisite: Mathematics 101.

MATHEMATICS 305 — Differential Equations with Applications (5-0-5). Prerequisite: Mathematics 202.

MATHEMATICS 306—Fourier Series and Boundry Value Problems with Applications (3-0-3). Prerequisite: Mathematics 203.

MATHEMATICS 311, 312, 313—Abstract Algebra (3-0-3). Prerequisite: Mathematics 203.

MATHEMATICS 331—Vector Analysis (5-0-5). Prerequisite: Mathematics 203.

MATHEMATICS 332—Mathematical Statistics (5-0-5). Prerequisite: Mathematics 202.

MATHEMATICS 400—Special Topics (1-5)-0-(1-5).

MATHEMATICS 401, 402, 403 — Introductory Real Variables (3-0-3). Prerequisite: Mathematics 311 and consent of instructor.

MATHEMATICS 406, 407, 408, and 409 (5-0-5).

These courses are the same as Mathematics 106, 107, 108, 109.

MATHEMATICS 411, 412—Complex Variables (5-0-5). Prerequisite: Mathematics 203.

MATHEMATICS 431, 432, 433—Projective and Related Geometries (3-0-3). Prerequisite: Consent of instructor.

MATHEMATICS 452—Basic Ideas of Arithmetic (5-0-5). Prerequisite: Mathematics 105.

This course is designed to give elementary teachers a clear understanding of the fundamental ideas of arithmetic and to acquaint them with the material currently being used in the elementary schools.

MATHEMATICS 490—Seminar (1-0-1).

## MUSIC

(See listing under Department of Fine Arts)

## NURSING

(See listing under Department of Allied Health Services)

## PHILOSOPHY

(See listing under Department of History and Political Science)

## DEPARTMENT OF PHYSICAL EDUCATION

Professor Roy J. Sims, Head; Assistant Professors Lawrence Tapp (Acting Head), B. Alexander, G. Bedwell, and J. Scarborough; Instructor; B. Backus.

During the freshman year, students should take Physical Education 111 (Fall), Physical Education 112, and Physical Education 113 (Winter and Spring). During the sophomore year, students should elect any other three Physical Education courses. Students unable to participate in the regular program should plan an alternate program with the head of the Department of Physical Education. For other department regulations see "Physical Education Program" under academic regulations.

### *Course Offerings*

PHYSICAL EDUCATION 111 — Conditioning Course (0-2-Fall.

Consists of calisthenics, stunts and tumbling, lifts and carrying road work, duel combatives, and simple games.



PHYSICAL EDUCATION 112—Team Sports (0-2-1). Winter. Consists of two from the following: basketball, field hockey, soccer, speedball, and volleyball.

PHYSICAL EDUCATION 113—Elementary Swimming (0-2-1). Fall, Winter, and Spring. (Physical Education 202 or Physical Education 203 may be substituted for Physical Education 113).

PHYSICAL EDUCATION 114 — Officiating of Team Sports (3-2). Fall and Winter. May be either basketball, football, or other appropriate team sport. Consists of a study of rules interpretation and actual experience in coaching and officiating in class and intramural games. Elective credit, except when substituted for Physical Education 112.

PHYSICAL EDUCATION 201 — Elementary Tennis (0-2-1). Fall and Spring.

PHYSICAL EDUCATION 202—Senior Life Saving Course in Swimming (0-2-1). Spring. (May be substituted for Physical Education 113).

PHYSICAL EDUCATION 203 — Water Safety Instructors' Course (1-2-1). Spring. (May be substituted for Physical Education 113). Prerequisite: Physical Education 202 or American Red Cross Senior Life Saving.

PHYSICAL EDUCATION 204 — First Aid (3-0-1). Fall and Winter.

The American Red Cross standard course in first aid.

PHYSICAL EDUCATION 205—Folk Rhythms (0-2-1). Spring.

PHYSICAL EDUCATION 206 — Beginning Modern Dance (2-1). Winter.

PHYSICAL EDUCATION 207 — Tap Dance for Beginners (2-1).

PHYSICAL EDUCATION 208—Golf or Other Adult Recreative Sports (0-2-1). Fall and Spring.

Golf, ping-pong, pool, card games, chess, checkers, shuffleboard, and other quiet games.

PHYSICAL EDUCATION 232—Bowling (0-2-1). Winter.

PHYSICAL EDUCATION 233—Badminton (0-2-1).

PHYSICAL EDUCATION 234—Trampoline (0-2-1).

The student is taught the proper care and use of the trampoline. Under strict supervision he learns to perform the following skills: front drop, knee drop, front drop, back drop, pull over, cradle, turn-out, swivel hips, spotting, and somersault.

PHYSICAL EDUCATION 236 — Intermediate Modern Dance (2-1). Prerequisite: Physical Education 206.

A continuation of Physical Education 206 with emphasis on dynamics, composition, and choreography.

PHYSICAL EDUCATION 320—Health and Physical Education for the Elementary School Teacher (3-2-5). Fall and Spring.

## PHYSICAL SCIENCE

(See listing under Department of Chemistry and Physics)

## PHYSICS

(See listing under Department of Chemistry and Physics)

## DEPARTMENT OF POLICE ADMINISTRATION

Associate Professor, W. Bryce Hill

### Quarter Hours

### Course

10	English 101 (or 100), and English 22
5	History 251* or History 252*
10	Political Science 113*, 305
10	Botany 121, 122 or Chemistry 121, 122
	Physics 211, 212, or Zoology 101, 102
6	Physical Education 111, 113, 203, 204
	and two courses in defense tactics
5	Psychology 201
15	Sociology 201, 350, and Criminology
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### Quarter Hours

### Course (Police Science)

(5-0-5)	Police Administration 101: Introduction to Law enforcement
(5-0-5)	Police Administration 102: Police Patrol
(5-0-5)	Police Administration 103: Criminal Law
(5-0-5)	Police Administration 104: Criminal Evidence
(5-0-5)	Police Administration 201: Police Administration
(5-0-5)	Police Administration 202: Criminal Investigation
(5-0-5)	Police Administration 203: Introduction to Criminalistics

### First Year

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Introduction to Law Enforcement 101	Patrol 102	Police Administration 201
English 101 or 100	Sociology 201	Psychology 201
Physical Education 111	Physical Education 113	Physical Education 201
Political Science 113	History 251 or 252	Sociology 350

### Second Year

Criminal Law 103	Criminal Evidence 104	Introduction to Criminalistics 203
Criminology	Criminal Investigation 202	Political Science 305
Physical Education: Defense Tactics Science	Physical Education: Defense Tactics Science	Physical Education 203
		Speech 228

\*If one of these history courses and this political science course are exempt by examination in order to meet the state requirement for graduation (page 47), the ten quarter hours shall be allotted to electives.

**POLICE ADMINISTRATION 101 (5-0-5).** Introduction to Law Enforcement.

Survey of law enforcement — the role, history and development, constitutional aspects, modern police practices and the functions of other agencies involved in the administration of criminal justice. Career Orientation.

**POLICE ADMINISTRATION 102 (5-0-5).** Police Patrol.

Basic operation of the police patrol functions; the responsibilities of patrol officers; purposes, methods and types of police patrol. Determination of patrol beats, areas and deployment.

**POLICE ADMINISTRATION 103 (5-0-5)** Criminal Law .

The nature, sources and types of criminal law. The classification and analysis of crimes and criminal acts in general and the examination of selected specific criminal offenses.

**POLICE ADMINISTRATION 104 (5-0-5).** Criminal Evidence.

Reviews law of arrest, search and seizure, rights and duties of officers and citizens and rules of evidence. General court procedures will be discussed.

**POLICE ADMINISTRATION 201 (5-0-5).** Police Administration.

The contemporary law enforcement agency, its functions, structure and operational techniques; implications of generalized and specialized units. Principles of organizing, staffing, budgeting, controlling, coordinating, planning and research in law enforcement. Prerequisites: P.S. 101 and P.S. 102.

**POLICE ADMINISTRATION 202 (5-0-5).** Criminal Investigation.

Introduction to criminal investigation procedures including theory of investigation, case preparation, interrogation, and special problems in criminal investigation.

**POLICE ADMINISTRATION 203 (5-0-5).** Introduction to Criminalistics.

The scientific aspects of criminal investigation with emphasis on crime scene recording, collection and preservation of evidence and the examination of evidence. Advanced criminalistics are discussed to the extent necessary to familiarize the student with the police science laboratory. Prerequisite: P.S. 202.

## **POLITICAL SCIENCE**

See listing under Department of History and Political Science)

## **DEPARTMENT OF PSYCHOLOGY AND SOCIOLOGY**

Professor Robert H. Cormack, Head; Professor Thompson; Associate Professor China; Assistant Professor Worthington.

Students who intend to major in psychology should complete psychology 101-102 before the end of their sophomore year. Students are strongly advised to complete as many of the general education requirements as possible before entering their junior year.

### **I. Major Field Requirements**

A. All of the following: Psychology 102, 312, 410, 411, 412

B. Three of the following: Psychology 307, 308, 309, 319

C. Two of the following: Psychology 303, 305, 311

## II. Related Fields

A. Zoology 101, 102

B. Mathematics 101, 103, or 105, 106 and 111, 325

C. Approved electives

### *Course Offerings*

## **ANTHROPOLOGY**

**ANTHROPOLOGY 201**—Man and His Culture (5-0-5).

An introduction to the study of man as a cultural animal, the development of human societies from preliterate beginnings, the rise of complex social organizations with an outline study of the major cultures developed by man.

## **PSYCHOLOGY**

**PSYCHOLOGY 101**—General Psychology (5-0-5).

An introduction to the vocabulary, concepts and methods of the science of behavior. Discussion and demonstrations assist in surveying all the areas of psychology. Psychology 101 is prerequisite to all other courses in the department.

**PSYCHOLOGY 102** — Advanced General Psychology (4-2-5)  
Prerequisite: Psychology 101.

An extension of Psychology 101. Further examination of the concepts introduced in Psychology 101. Experiments are designed to acquaint the student with the techniques of behavioral analysis.

**PSYCHOLOGY 301**—Educational Psychology (5-0-5). Prerequisite: Psychology 101.

The application of behavioral science to the problem of learning in the classroom. Primarily for teacher preparation.

**PSYCHOLOGY 303**—Social Psychology (5-0-5). Prerequisite: Psychology 101.

The study of the behavior of others as determinants of the behavior of the individual. The cultural milieu and group pressures will be examined in terms of their effects on behavior.

**PSYCHOLOGY 305**—Developmental Psychology (5-0-5). Prerequisite: Psychology 101.

A study of the origin and development of psychological processes. The effects of maturational, learning and social variables on human behavior are examined.

**PSYCHOLOGY 307**—Experimental Psychology I. Perception (4-2-5). Prerequisite: Psychology 101.

An experimental-theoretical approach to the nature of perception. Special attention is given to the psychophysical methods.

**PSYCHOLOGY 308**—Experimental Psychology II. Learning Motivation (4-2-5). Prerequisite: Psychology 101.

An examination of the methodology and theory associated with the various forms of learning and their motivational concomitants.

**PSYCHOLOGY 309**—Experimental Psychology III. Comparative & Physiological Psychology (4-2-5). Prerequisite: Psychology 101 & Zoo 101-102.

Introduction to the biological bases of behavior. The structure and function of the nervous system are studied and related to the behavior of humans and other organisms.

PSYCHOLOGY 311—Theories of Personality (5-0-5). Prerequisite: Psychology 101.

A study of selected personality theories with emphasis on normal behavior. Attention will be given to both experimental and clinical data. The determinants of personality structure and the development of personality will be examined from divergent points of view.

PSYCHOLOGY 312—Measurement in Psychology (5-0-5). Prerequisite: Psychology 101 & Math 111.

An examination of the theory of measurement. Reliability and validity techniques are discussed using current psychological tests as examples.

PSYCHOLOGY 319—Animal Behavior (4-2-5). Prerequisite: Psychology 101.

A study of the adaptations and behaviors with which living organisms cope effectively with their environment. The laboratory will provide experience in animal care, training and experimentation.

PSYCHOLOGY 320—Industrial Psychology (5-0-5.) Prerequisite: Psychology 101.

The applications of psychology to the problems of industry. Primarily for business majors.

PSYCHOLOGY 321—Educational Testing (5-0-5). Prerequisite: Psychology 101 or permission of the instructor.

An introduction to the design, use, interpretation and evaluation of tests for use in the classroom. Primarily for teacher preparation.

PSYCHOLOGY 410—History of Psychology (5-0-5). Open only to senior psychology majors or by invitation of the professor.

A study of the basic ideas in psychology from early animism to modern behavioristics. Special attention is given to the philosophical bases at various times in the history of psychology.

PSYCHOLOGY 411—Senior Seminar (5-0-5). Open only to senior psychology majors or by invitation of the professor.

A reading and discussion group which will concentrate on selected contemporary issues in psychology. Specific content will vary from year to year.

PSYCHOLOGY 412—Senior Seminar (5-0-5). Open only to senior psychology majors or by invitation of the professor.

A reading and discussion group which will concentrate on selected contemporary issues in psychology. Specific content will vary from year to year.

PSYCHOLOGY 450—Independent Study (1-5)-0-(1-5). Open only by invitation of the professor.

## **SOCIOLOGY**

**SOCIOLOGY 201**—Introductory Sociology (5-0-5).

An introduction to the concepts and methods of the science of human group behavior. Includes the study of socialization, the role of the individual in society and the major institutions and processes.

**SOCIOLOGY 350**—Social Problems (5-0-5). Prerequisite: S 201.

An examination of behavioral deviancy and social disorganization in the context of sociological theory.

**SOCIOLOGY 351**—Population and Problems (5-0-5). Prerequisite: Sociology 201.

A study of the methods of population analysis and the factors involved in population change.

## **SPANISH**

(See listing under Department of Foreign Languages)

## **SPEECH**

(See listing under Department of English and Speech)

## **ZOOLOGY**

(See listing under Department of Biology)

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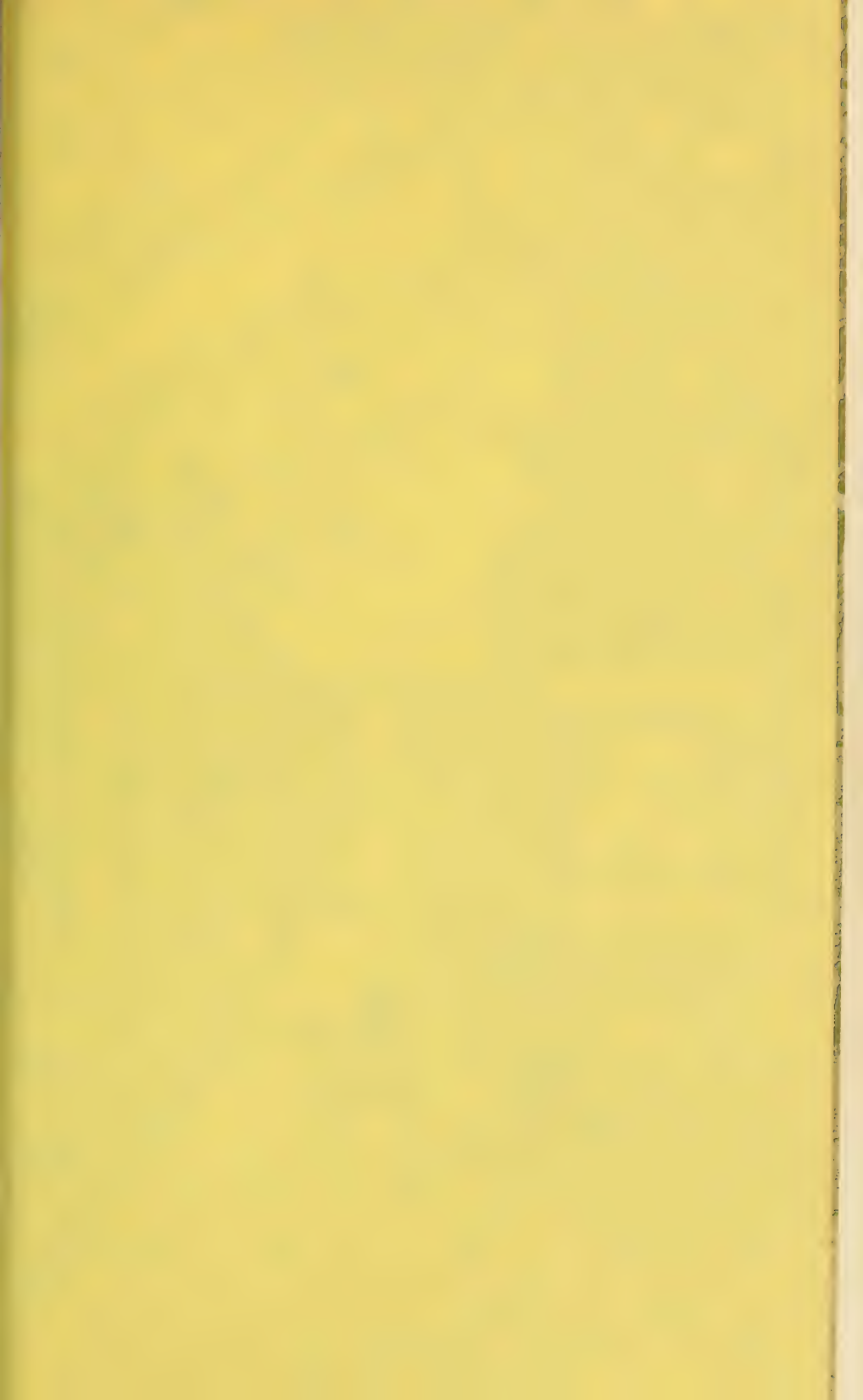
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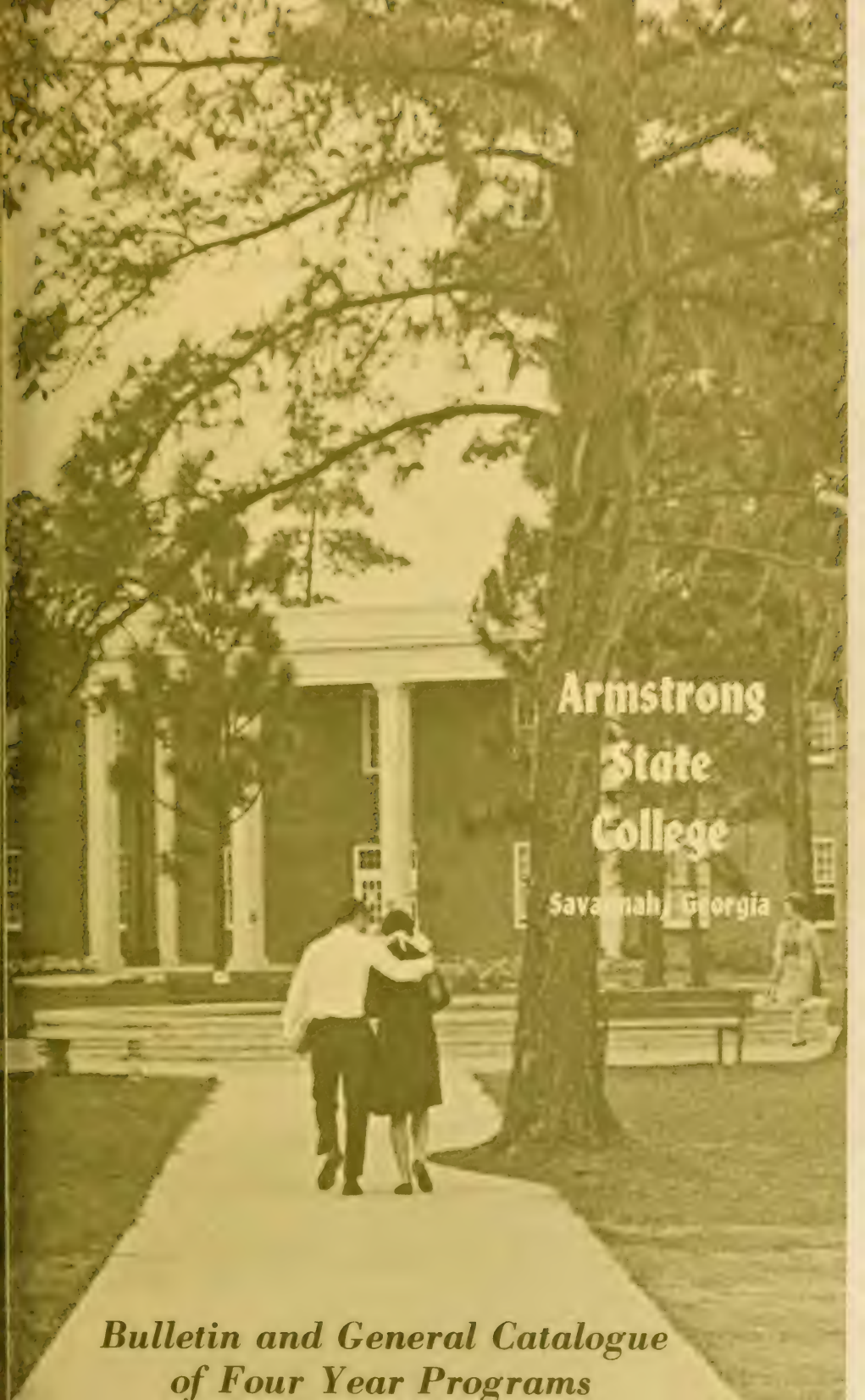


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Armstrong  
State  
College  
Savannah, Georgia

*Bulletin and General Catalogue  
of Four Year Programs*



Bulletin of  
**Armstrong State College**  
Savannah, Georgia

A Four-Year College of the  
University System of Georgia



SUMMER FALL **1969-1970** WINTER SPRING

Volume XXXIV

Number 9

*Membership in*  
Southern Association of Colleges and Schools  
Association of Georgia Colleges

## 1969 CALENDAR 1969

APRIL							JULY							OCTOBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
		1	2	3	4	5			1	2	3	4	5			1	2	3	4	5
6	7	8	9	10	11	12	6	7	8	9	10	11	12	5	6	7	8	9	10	11
13	14	15	16	17	18	19	13	14	15	16	17	18	19	12	13	14	15	16	17	18
20	21	22	23	24	25	26	20	21	22	23	24	25	26	19	20	21	22	23	24	25
27	28	29	30				27	28	29	30	31			26	27	28	29	30	31	
MAY							AUGUST							NOVEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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4	5	6	7	8	9	10	3	4	5	6	7	8	9	2	3	4	5	6	7	8
11	12	13	14	15	16	17	10	11	12	13	14	15	16	9	10	11	12	13	14	15
18	19	20	21	22	23	24	17	18	19	20	21	22	23	16	17	18	19	20	21	22
25	26	27	28	29	30	31	24	25	26	27	28	29	30	23	24	25	26	27	28	29
							31							30						
JUNE							SEPTEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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8	9	10	11	12	13	14	7	8	9	10	11	12	13	7	8	9	10	11	12	13
15	16	17	18	19	20	21	14	15	16	17	18	19	20	14	15	16	17	18	19	20
22	23	24	25	26	27	28	21	22	23	24	25	26	27	21	22	23	24	25	26	27
29	30						28	29	30					28	29	30	31			

## 1970 CALENDAR 1970

JANUARY							APRIL							JULY						
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11	12	13	14	15	16	17	12	13	14	15	16	17	18	12	13	14	15	16	17	18
18	19	20	21	22	23	24	19	20	21	22	23	24	25	19	20	21	22	23	24	25
25	26	27	28	29	30	31	26	27	28	29	30			26	27	28	29	30	31	
FEBRUARY							MAY							AUGUST						
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8	9	10	11	12	13	14	3	4	5	6	7	8	9	2	3	4	5	6	7	8
15	16	17	18	19	20	21	10	11	12	13	14	15	16	9	10	11	12	13	14	15
22	23	24	25	26	27	28	17	18	19	20	21	22	23	16	17	18	19	20	21	22
							24	25	26	27	28	29	30	23	24	25	26	27	28	29
							31							30	31					
MARCH							JUNE							SEPTEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7	1	2	3	4	5	6	1	2	3	4	5			
8	9	10	11	12	13	14	7	8	9	10	11	12	13	6	7	8	9	10	11	12
15	16	17	18	19	20	21	14	15	16	17	18	19	20	13	14	15	16	17	18	19
22	23	24	25	26	27	28	21	22	23	24	25	26	27	20	21	22	23	24	25	26
29	30	31					28	29	30					27	28	29	30			



# ACADEMIC CALENDAR

## 1969-1970

### SUMMER QUARTER, 1969

May	20	Last day for freshman and transfer students to file all papers required in the application for admission
June	2	Last day for transient students (for Summer Quarter only) to file all papers required in the application for admission
	9	Registration
	10	Classes begin
	11	Last day to register for credit
	16	Last day to change classes
July	4	Holiday
	7	Mid-term reports due
	14-17	Pre-Advisement for Fall Quarter
August	6-8	Examinations
	13	Graduation

### FALL QUARTER, 1969

Sept.	2	Last day for freshman and transfer students to file all papers required in the application for admission
	22	First Faculty Meeting
	23-25	Orientation for freshmen
	29	Advisement for sophomores, juniors and seniors
	30	Registration for returning sophomores, juniors, and seniors
Oct.	1	Registration for all new students
	2	Classes begin
	3	Last day to register for credit
	6	Last day to enroll in any class
Nov.	6	Mid-term reports due
	17-21	Pre-advisement for Winter Quarter
	24	Ga. and U.S. history and government test
	27-28	Thanksgiving Holidays
Dec.	5	Last day of class
	8-9	Reading days
	10-12	Examinations

### WINTER QUARTER, 1970

Dec.	15	Last day for freshman and transfer students to file all papers required in the application for admission
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Jan.	2	Registration
	5	Classes begin
	6	Last day to register for credit
Jan.	7	Last day to enroll in any class
Feb.	5	Mid-term reports due
	16-20	Pre-advisement for the Spring Quarter
March	6	Last day of class
	9-10	Reading Days
	11-13	Examinations

### SPRING QUARTER, 1970

March	2	Last day for freshman and transfer students to file all papers required in the application for admission
	20	Registration
	23	Classes begin
	24	Last day to register for credit
	25	Last day to enroll in any class
April	23	Mid-term reports due
May	4-8	Pre-advisement for Summer and Fall Quarters
	13	Honors Day Assembly
	22	Last day of class
	25-26	Reading Days
	27-29	Examinations
June	2	Graduation

### SUMMER QUARTER, 1970

May	22	Last day for freshman and transfer students to file all papers required in the application for admission
June	5	Last day for transient students (for Summer Quarter only) to file all papers required in the application for admission
	12	Registration
	15	Classes begin
	16	Last day to register for credit
	17	Last day to enroll in any class
July	14	Mid-term reports due
	20-24	Pre-advisement for the Fall Quarter
August	7	Last day of class
	10-11	Reading Days
	12-14	Examinations

## FALL QUARTER, 1970

Sept.	2	Last day for freshman and transfer students to file all papers required in the application for admission
	20	First Faculty Meeting
	22-24	Orientation
	28	Advisement of sophomores, juniors and seniors
	29-30	Registration
Oct.	1	Classes begin
Oct.	2	Last day to register for credit
	5	Last day to enroll in any class
Nov.	4	Mid-term reports due
	16-20	Pre-advisement for the Winter Quarter
	26-27	Thanksgiving Holidays
Dec.	4	Last day of class
	7-8	Reading Days
	9-11	Examinations

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ROY J. SIMS.....	Physical Education
RYNCE HILL.....	Police Administration
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*Associate Professor of Biology*

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*Comptroller*

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*Reference Librarian*

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*Director of Professional Laboratory Experiences*

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*Head Librarian*

\*Part-time Instructor

\*\*On leave of absence

## **Armstrong College Commission**

The Commission controls certain endowment and scholarship funds.

DR. IRVING VICTOR, Chairman

MR. EDWARD BARTLETT

MRS. ARCHIE HERMAN

MR. JOHN A. PETERS, JR.

MR. JOHN RANITZ, JR.

MR. HARRY SWICORD

### **Ex-Officio**


DR. THORD MARSHALL

ROBERT F. LOVETT, The Honorable

J. CURTIS LEWIS, JR., The Honorable

MRS. CLARENCE B. REINSCHMIDT

MR. HERMAN DIRECTOR



## 2/PURPOSES AND PROGRAMS

It is the purpose of Armstrong State College to furnish students with a basic understanding of the intellectual structure of civilized life and to provide some of the knowledge and experience necessary to enable them to become responsible contributors to their civilization.

The Bachelor of Arts and Bachelor of Science degrees and the core curriculum of all programs are directed primarily toward the development of attitudes and habits of mind leading toward intellectual and emotional maturity of the individual while providing a foundation of knowledge with orientation for future learning. Fundamental concepts of natural phenomena and their interactions are provided by study in the physical and biological sciences. The behavior of man is explored in the social sciences. The humanities deal with man's experience of life in nature and society through the study of his mental and spiritual creations: language, art, history, philosophy, and religion.

In addition to these programs, the complex professional resources of the college make it the center of professional programs, such as those in elementary and secondary education, business administration, nursing, dental hygiene, and police administration, which require a sound academic training as well as the development of professional skills.

No college degree program can provide the total education of an individual; all persons must continue to learn throughout their lives or suffer intellectual atrophy. The college therefore also becomes the natural center for the creation of numerous programs, often through short non-credit courses and institutes, which apply the college's resources to the many problems arising in a large urban community and to satisfying the desire of its citizens for continuing education. In this sense the educational role of this college is truly multipurpose.



## FOUR-YEAR DEGREES

Bachelor of Arts in the fields of history, English, music, political science, and psychology.

Bachelor of Science in the fields of biology, chemistry, and mathematics.

Bachelor of Business Administration in the fields of accounting, management, and economics.

(Each of these above degrees may be taken along with an approved program leading to certification for secondary school teaching.)

Bachelor of Science in Education—Speech Correction

Bachelor of Science in Elementary Education.

Bachelor of Science in Medical Technology.

Bachelor of Science in Dental Hygiene Education.

## TWO YEAR DEGREES

Associate in Arts. This degree is offered as preparation for higher degrees in the liberal arts and professions and for positions in business after two years of college. The student planning to transfer from Armstrong State College into a professional or academic major program not offered here should, at the beginning of his freshman year, consult the catalog requirements of the school he plans to attend. Armstrong State College offers the first year of programs in forestry and veterinary medicine; the first two years of programs in engineering, industrial management, physical education, physics, pharmacy; the first three years, or the entire pre-professional programs, in dentistry, law, medicine, optometry, and other fields.

Associate in Arts in Nursing. This degree prepares graduates for the state examination for licensure as registered nurses.

Associate in Science in Dental Hygiene.

Associate in Arts in Police Administration.

## HISTORY OF THE COLLEGE

Armstrong State College was founded on May 27, 1935, as Armstrong Junior College, by the Mayor and Alderman of the City of Savannah to meet a long felt need for a college in the community. The College was housed in the Armstrong Building, a gift to the city from the family of George F. Armstrong, and over the years built or acquired five more buildings in the neighborhood of Forsyth Park and Monterey Square.

The College, as Armstrong College of Savannah, became a two-year unit of the University System of Geor-

gia on January 1, 1959, under the control of the Regents of the University System.

In 1962, the Mills Bee Lane Foundation purchased a new campus site of over 200 acres, selected by the Regents. The new campus, with seven new buildings, was occupied in December, 1965.

In 1964, the Regents conferred upon Armstrong the status of a four-year college, with the right to offer the degrees of Bachelor of Arts, Bachelor of Science, and Bachelor of Business Administration. The College now offers fourteen major programs leading to these degrees, and, in addition, the two year Associate Degree in Nursing, in Dental Hygiene, and in Police Science.

The College community includes about 2100 students and 84 full-time faculty members.

Armstrong State College was fully accredited as a senior institution by the Southern Association of Colleges and Schools in December, 1968, with accreditation retroactive to January 1, 1968.

## LIBRARY

The Lane Library is housed in an attractive two-story building, centrally located near classrooms and student center. The library is well lighted, air conditioned, fully carpeted and handsomely furnished. Reading rooms and individual carrel desks are available on both floors. Faculty carrels and group study rooms are available on the second floor.

The resources of the Library include approximately 55,000 books, numerous documents and other pamphlets, and a collection of microforms and recordings. Over 500 periodicals and newspapers are received.

Services and regulations are specified in the library handbook, available on request to the Librarian of the college.

## OFFICE OF COMMUNITY SERVICES

*Short Courses, Workshops and Seminars* are planned, organized and administered by the office in response to group interest, or to meet a community need brought to the attention of the Dean. All are offered on a non-credit basis and, except in a very few cases, there are no special requirements or prerequisites for admission. An additional brochure of the non-credit and credit courses, under the heading of "Schedule of Evening Classes" is mailed out before the beginning of every quarter; anyone wishing to do so may have his name placed on this mailing list. Subjects covered vary widely; the series is designed to offer something to ap-

peal to almost any adult taste, from Computer Programming to Interior Decoration. The Dean is always glad to arrange courses for candidates preparing to take professional examinations in engineering, insurance, real estate and many others; the college has been approved as an Examination Center for a number of these examinations. One-day workshops, such as the annual Writers' Workshop, are also planned and managed by this office.

### **EVENING CLASSES**

In addition to the full daytime schedule, Armstrong offers a schedule of classes in the evening, including most of the required courses for some programs leading towards a degree.

Students employed during the day must limit their enrollment to one or two courses each quarter.

### **INDUSTRIAL CO-OP PROGRAM**

It is possible, in some cases, for a student to plan with the head of his major department a schedule that allows alternate quarters of full-time work in industry or business and full-time college study in a degree program. Interested students should, after discussion with their department heads, inquire concerning placement possibilities with the Placement Office under the Associate Dean for Community Services.

### **STUDENT EXCHANGE PROGRAM WITH SAVANNAH STATE COLLEGE**

A student enrolled at Savannah State College or at Armstrong State College as a full-time student has the privilege of taking at least one course with his dean's approval at the other college without paying an additional fee. A student, for instance, may take two courses in his home college paying full fees and one course at the other college, which would be transferred back to his home college, or a student with at least a "B" average in the preceding quarter may take three courses at his home college, paying full fees, and register at the other college for an additional course without additional cost.

A student may obtain in the Registrar's Office the proper form for permission to register at Savannah State College.

## 3/ADMISSION TO THE COLLEGE

Application forms for admission to Armstrong State College are provided by the Admissions Officer upon request. An application cannot be considered until all required forms are properly executed and returned to the Admissions Office. Applications must be on file in the Admissions Office at least twenty days before the opening of the quarter in which the applicant wishes to enter. Deadlines for submitting applications for the 1969-70 session are:

- |                          |  |
|--------------------------|--|
| For Summer Quarter, 1969 | —May 20 (New freshmen and transfers)<br>June 3 (Transient students—Summer only)  |
| For Fall Quarter, 1969   | —September 2   |
| For Winter Quarter, 1970 | —December 15   |
| For Spring Quarter, 1970 | —March 2   |
| For Summer Quarter, 1970 | —May 22 (New freshmen and transfers)<br>—June 5 (Transient students—Summer only) |
| For Fall Quarter, 1970   | —September 2   |

The applicant must be at least sixteen years old on or before registration date and must give evidence of good moral character, promise of growth and development, seriousness of purpose, and a sense of social responsibility. Armstrong State College reserves the right to examine and appraise the character, the personality, and the physical fitness of the applicant. The College further reserves the right to examine any applicant by the use of psychological, achievement, and aptitude tests and to require additional biographical data and an interview before the applicant is accepted or rejected. If an interview is required, the applicant will be notified.

Armstrong State College reserves the right to refuse to accept any or all of the credits from any high school or other institution, notwithstanding its accredited status, when the College determines through investigation or otherwise that the quality of instruction at such high school or other institution is for any reason deficient or unsatisfactory. The judgment of the College on this question shall be final.

The Admissions Officer may refer any applicant to the Admissions Committee of the College for study and advice. The ultimate decision as to whether an applicant shall be accepted or rejected shall be made by the Admissions Officer subject to the applicant's right of appeal as provided in the policies of the Board of Regents of the University System.

On the basis of his achievement as reflected by his high school grades and on his potential ability as shown by his scores on the Scholastic Aptitude Test, an evaluation of each applicant's readiness to undertake college work will be made.

The Admissions Officer shall, as promptly as practicable, inform the applicant of the action taken upon his application.

The College reserves the right to terminate acceptance of applications when enrollment capacity is reached. The College further reserves the right to reject an applicant who is not a resident of the State of Georgia.

All students enrolled at Armstrong State College are required to sign the Honor Pledge at the time of their initial registration. For a detailed explanation of the Honor System see the REGULATIONS section of this catalogue.

Specific requirements for admission are discussed below.

## REQUIREMENTS FOR FRESHMAN APPLICANTS

1. Certificate of graduation from an accredited high school (or successful completion of the General Educational Development Test [GED] with no score less than 45).

2. A transcript of the applicant's high school record to be submitted by the high school directly to the college.

3. A minimum of sixteen units of high school credit, including the following specific subjects:

English—4 units

Mathematics—2 units (One unit must be in

algebra, although two units of algebra are desirable. For students entering the engineering or scientific fields, two units of algebra and one of geometry are needed.)

Science—2 units

Social Studies—2 units

Other units sufficient to graduate.

4. Satisfactory scores on the Scholastic Aptitude Test of the College Entrance Examination Board. Official results of this test must be filed with the Admissions Office by the final date for submitting application for the quarter in which the student wishes to enroll.

The Scholastic Aptitude Test is given in all states and numerous foreign countries in November, December, January, March, May, and July. Students wishing to make application to take the test may secure application forms from their secondary school principal or counselor, or by writing directly to the College Entrance Examination Board, Box 592, Princeton, New Jersey 08540, or Box 1025, Berkeley, California 94701, for an application form and the *Bulletin of Information* which is available without charge. Applicants who wish to enroll at the beginning of the Winter Quarter should take the Scholastic Aptitude Test in November.

5. Application fee of \$10 which must accompany the application form. This fee does not bind Armstrong State College to admit the applicant nor does it indicate acceptance of the applicant's qualifications. The fee will not be credited toward the matriculation fee in the event that the applicant is accepted as a student and it will not be refunded in the event that the applicant does not enroll as a student. An applicant who fails to enroll in the quarter for which he is accepted must reapply for admission if he wishes to enter the institution at a later time by resubmission of fee by the date specified.

6. Emergency Surgery or Medication Permit signed by the parents of a student (or the student himself if over 21 years of age) must be returned prior to admission either authorizing or not authorizing the College to take whatever action is deemed necessary in the case of an emergency until the parents can be reached.

7. Physical examinations prior to admission are required for all entering students with the exception of the following: Evening students, special students, transient students, and auditors.

### ADVANCED PLACEMENT

Armstrong State College gives advanced placement, or in some cases college credit, for college level high

school courses, on the basis of the high school teacher's recommendation, the student's grade on the Advanced Placement Examination of the CEEB, and approval by the appropriate department chairman of Armstrong State College.

### SUMMER-ON-TRIAL

A Georgia applicant for admission to the freshman class who has not previously attended any other college and whose predicted first-year-average grade does not qualify him for regular admission may be admitted to the Summer-on-Trial Program.

A student admitted to the Summer-on-Trial Program must enroll in the appropriate freshman English course; and with the recommendation of his faculty advisor, he may enroll for as many as two additional academic courses. By satisfactorily completing the appropriate English course *and* by meeting the grade-point-average requirements specified in the table on page 57, a Summer-on-Trial student may qualify for continuation in the fall quarter as a regular student.

### REQUIREMENTS FOR TRANSFER APPLICANTS

1. Transfer applicants will follow the same procedures as freshman applicants, except that transfer applicants who will have achieved sophomore standing at the time of their entrance will not be required to submit their high school records. Such records may be required by the Admissions Office but normally the transcripts of previous college records will suffice in place of the high school record. A transfer applicant must ask the Registrar of *each* college he has previously attended to mail an official transcript of his record to the Admissions Office at Armstrong State College, regardless of the transferability of the credits.

2. Transfer applicants with less than sophomore standing (less than 45 quarter hours completed) must meet entrance requirements of both freshman and transfer applicants and will be required to submit their high school records as well as transcripts of college records.

3. A transfer applicant will not be eligible for admission to Armstrong State College unless he is eligible to return to the last college attended on the date he expects to enter Armstrong. A student who is on suspension from another college because of poor scholarship or disciplinary reasons will not be eligible for admission.

4. A transfer applicant will be considered for admission to Armstrong State College if, on *all* work attempted at other institutions, his academic perfor-

mance as shown by his grade point average is equivalent to the minimum standard required by Armstrong State College students of comparable standing. (See chart under Academic Probation and Dismissal Policy on Page 57.)

5. Credit will be given for transfer work in which the student received a grade of "D" or above with the percentage of "D" and "D+" grades not to exceed twenty (20) per cent of the total hours being transferred. College credit will not be allowed for such courses as remedial English and remedial mathematics or courses basically of secondary school level.

6. Credits earned at an institution which is not a member of the appropriate regional accrediting agency can be accepted on a provisional basis only. A student transferring from an institution which is not a member of the regional accrediting agency must achieve a "C" average on his first fifteen quarter hours of work at Armstrong in order to be eligible to continue. His transfer credits would then be evaluated in certain areas by examination.

7. The amount of credit that Armstrong will allow for work done in another institution within a given period of time may not exceed the normal amount of credit that could have been earned at Armstrong during that time. A maximum of 100 quarter hours may be transferred from a junior college. For a bachelor's degree, 90 quarter hours of junior and senior level work will be required (except in certain approved programs in mathematics, the natural sciences, and music), of which the last 45 quarter hours in courses numbered 200 and above must be taken at Armstrong. At least half of the courses offered in the major field must be taken at Armstrong.

8. Not more than one-fourth of the work counted toward a degree may be taken by correspondence or extension courses. No correspondence courses may be used to meet requirements in the major field or the related field for the bachelor's degree. No correspondence courses may be taken while a student is enrolled at Armstrong State College. Correspondence credit will not be accepted for courses in English composition or foreign language.

## **SPECIAL STUDENTS**

Applicants who possess a bachelor's degree or its equivalent and who wish to take courses for personal enrichment or advancement may be admitted as special students. Such an applicant will submit the application



form and fee and will have official transcripts of his college records mailed to the Admissions Office by the final date for submitting applications for the quarter in which he wishes to enroll.

## **AUDITORS**

Armstrong State College grants to certain persons who are not regularly admitted students special permission to audit courses. Such applicants will not be required to take the Scholastic Aptitude Test given by the CEEB but must meet all other requirements for admission and pay regular fees. A special form for permission to audit courses may be obtained from the Admissions Office.

## **READMISSION OF FORMER STUDENTS**

A student who has not been enrolled at Armstrong for one or more quarters must apply for readmission on a form provided by the Admissions Office. A former student who has not attended another college since leaving Armstrong may be readmitted provided he is not on suspension at the time he wishes to reenter. A former student who has attended another college since leaving Armstrong must meet requirements for readmission as a transfer student or as a transient student, whichever is applicable. A student who is readmitted after an absence from the College for more than two years must meet degree requirements as listed in the catalogue in effect at the time of his return.

## **TRANSIENT STUDENTS**

Transient student status means that a student is admitted to Armstrong State College only for a specified period of time, normally a summer quarter, with the understanding that he is to return to his own college for the next quarter. An applicant for transient status must file a regular application form and submit a statement from his Dean or Registrar that he is in good standing and has permission to take specific courses at Armstrong to be transferred to his own institution when satisfactorily completed. Since transient students are not admitted as regular Armstrong students, transcripts of college work completed elsewhere are not usually required of such applicants. A transient student who wishes to remain at Armstrong longer than one quarter must submit an additional statement from his Dean or Registrar or he must meet all requirements for regular admission as a transfer student.

## ARMSTRONG STATE COLLEGE/HIGH SCHOOL ACCELERATED PROGRAM

This program marks a new venture for this community in which college and high school join to challenge intellectually able young men and women to test their interests and their capacity to learn.

### The Program

High school students who have completed the eleventh grade, who have met the criteria for admission to the program and who maintain its standards will be permitted to enroll in one course each quarter at Armstrong State College while they complete the senior year of high school. Upon graduation from high school, these students will be admitted upon application as regular students of the College and will be given full college credit for the courses taken at Armstrong.

Through this program, a student may complete over two-thirds of the freshman year of college before he begins his regular college career.

The maximum number of college courses possible is:

Summer	.....1 course	( 5 qtr. hours)
Fall	.....1 course	( 5 qtr. hours)
Winter	.....1 course	( 5 qtr. hours)
Spring	.....1 course	( 5 qtr. hours)
Summer (following high school graduation and admission to Armstrong)	....3 courses	(15 qtr. hours)
		<hr/>
		7 courses (35 qtr. hours)

### The College Courses

Every student accepted in this program must take a course in English or mathematics first. Thereafter he may choose any freshman course, with permission of his college adviser.

### Criteria of Admission

The College will consider a student for this program only upon written recommendation of his high school principal. In the view of the College, it is only the principal who can judge the circumstances that may make the program valuable and practicable for any student.

To be admitted to the program a student must satisfy all of these criteria:

1. written recommendation by the Principal of the high school;

2. completion of the eleventh grade in an accredited high school;
3. a combined verbal and math score of 1000 on CEEB tests;
4. an average grade of B or better in academic subjects (English, mathematics, science, social studies, language) through the ninth, tenth and eleventh grades as averaged by the Armstrong State College Admissions Officer.
5. written permission of the parents.

### **Standards**

A student forfeits the privilege of this program if in any quarter his grade in the college course is below C or his high school average in academic courses is below B.

### **Procedure for Admission**

A high school principal may recommend students following the fifth six-week period of the students' eleventh year. The recommendation to the College must be made by May 15th if the student intends to begin in the summer. The principal may recommend following the full eleventh year by August 15th if the student intends to begin in the fall.

### **FOREIGN STUDENTS**

A student from a country other than the United States who is interested in attending Armstrong must meet the following requirements before application is made:

1. He must have met the requirements of paragraph 3, under REQUIREMENTS FOR FRESHMAN APPLICANTS, in regard to units in the subjects required at Armstrong.
2. He must have an official transcript of his academic record mailed to the Admissions Office at Armstrong with an official translation.
3. He should take the SAT of the College Entrance Examination Board in the testing center nearest his home and ask that the results be sent to Armstrong.
4. He should take the Test of English as a Foreign Language and ask that the results be sent to Armstrong. (Applications for the test are available from the Educational Testing Service, Box 899, Princeton, N. J. 08540.)

If the applicant meets the academic requirements for admission, he will be sent an application form. After it has been returned and approved, the applicant will be

sent an I-20 Form (I-20A and I-20B), which he can then take to the American Consul to ask for a student visa.

No scholarships are available for students who are not legal residents of Georgia. All foreign students must pay non-resident fees.

### **ADMISSION OF VETERANS**

After having been accepted at Armstrong State College and upon receipt of Certification of Eligibility and Entitlement from the Veterans Administration, veterans may attend under Public Law 358 (Veterans Readjustment Benefits Act of 1966), Public Law 815 (disabled), Public Law 894 (disabled), Public Law 634 (war orphans), or Public Law 361 (children of permanently disabled veterans). Students under Public Law 358, 361, or 634 should be prepared to pay tuition and fees at the time of registration.

### **APPLICANTS SPONSORED BY VOCATIONAL REHABILITATION**

Those applicants sponsored by Vocational Rehabilitation or other community agencies must apply at least six (6) weeks before the beginning of any quarter to insure proper processing of application.

### **FINANCIAL AID**

(See Financial Aids, Section 5 of this Bulletin for further information.)

### **REGISTRATION AND ORIENTATION**

Prior to the Fall Quarter a period of orientation is set aside to assist new students in becoming acquainted with the College, its curriculum, extra-curricular activities, student leaders, counselors, members of the faculty and the administration. Complete instructions concerning registration are made available to all students at the beginning of the registration period. Registration includes counseling, academic advisement, selection of courses, enrollment in classes, and payment of fees. Full details regarding orientation and registration are provided to all incoming students during the summer preceding their initial enrollment.

### **RESIDENCY REQUIREMENTS OF THE BOARD OF REGENTS**

To be considered a **legal** resident of Georgia, the applicant must establish the following facts to the satisfaction of the Registrar.

1. A student who is under 21 years of age at the time he seeks to register or re-register at the

beginning of any quarter will be accepted as a resident student only upon a showing by him that his supporting parent or guardian has been legally domiciled in Georgia for a period of at least twelve months immediately preceding the date of registration or re-registration.

2. In the event that a legal resident of Georgia is appointed as guardian of a non-resident minor, such minor will not be permitted to register as a resident student until the expiration of one year from the date of appointment, and then only upon proper showing that such appointment was not made to avoid payment of the non-resident fee.
3. If a student is over 21 years of age, he may register as a resident student only upon a showing that he has been domiciled in Georgia for at least twelve months prior to the registration date.

Any period of time during which a person is enrolled as a student in any educational institution in Georgia may not be counted as a part of the twelve months' domicile and residence herein required when it appears that the student came into the State and remained in the State for the primary purpose of attending a school or college.

4. A full-time faculty member of the University System, his or her spouse, and minor children may register on the payment of resident fees, even though the faculty member has not been a resident in Georgia for twelve months.
5. If the parents or legal guardian of a minor change residence to another state following a period of residence in Georgia, the minor may continue to take courses for a period of twelve consecutive months on the payment of resident fees. After the expiration of the twelve months' period the student may continue his registration only upon the payment of fees at the non-resident rate.
6. Military personnel and their dependents may become eligible to enroll in institutions of the University System as resident students provided they file with the institution in which they wish to enroll the following:
  - a. A statement from the appropriate military official showing that the applicant's "home of record" is the State of Georgia; and
  - b. Evidence that applicant is registered to vote in Georgia; or

- c. Evidence that applicant, if under 18 years of age, is the child of parents who are registered to vote in Georgia; and
  - d. Evidence that applicant or his supporting parent or guardian filed a Georgia State income tax return during the preceding year.
7. Foreign students who attend institutions of the University System under sponsorship of civic or religious groups located in this state, may be enrolled upon the payment of resident fees, provided the number of such foreign students in any one institution does not exceed the quota approved by the Board of Regents for that institution.
  8. All aliens shall be classified as non-resident students; provided, however, that an alien who is living in this country under a visa permitting permanent residence or who has filed with the proper federal immigration authorities a Declaration of Intention to become a citizen of the United States shall have the same privilege of qualifying for resident status for fee purposes as has a citizen of the United States.
  9. Teachers in the public schools of Georgia and their dependents may enroll as students in University System institutions on payment of resident fees, when it appears that such teachers have resided in Georgia for nine months, that they were engaged in teaching during such nine months' period, and that they have been employed to teach in Georgia during the ensuing school year.
  10. If a woman who is a resident of Georgia and who is a student in an institution of the University System marries a non-resident of the State, she may continue to be eligible to attend the institution on payment of resident fees, provided that her enrollment is continuous.
  11. If a woman who is a non-resident of Georgia marries a man who is a resident of Georgia, she will not be eligible to register as a resident student in a University System institution until she has been domiciled in the State of Georgia for a period of twelve months immediately preceding the date of registration.

# Admission to the Associate in Arts Degree in Nursing

## PROGRAM IN NURSING

Nursing calls for a variety of skills and aptitudes and offers unlimited opportunities for different kinds of service. Therefore, a candidate for the nursing program should have good physical and mental health as well as those personal qualifications appropriate for nursing. For these reasons the Admissions Committee selects students whose abilities, interests, and personal qualities show promise of success in the program and in the field of nursing. Factors influencing the decision of the Admissions Committee are: achievement as shown on the secondary school record, ability as measured by the Scholastic Aptitude Test, motivation for nursing, health, personal qualities, and social adjustment. Applicants who, in the judgment of the Admissions Committee, present high overall qualifications are selected. Since applications are processed as received, applicants are encouraged to apply early in the senior year of high school or as early in the year preceding admission as possible. Application forms are available from the Admissions Officer of the College.

The preferred age for applicants, married or single, at the time of entrance is 18. The upper age limit is 40 years. Applicants who have not reached their 18th birthday but who can show evidence that they will reach their 20th birthday by the date they are scheduled to complete the program will be considered. The State of Georgia requires, as do most other states, United States citizenship, either natural born or naturalized, for registered nurse licensure. Candidates for admission to the nursing program who are not citizens may be admitted only under certain circumstances and should make individual inquiries.

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### How to Apply

1. Complete the application form for admission to Armstrong State College and return it with the non-refundable \$10 application fee. Mark the application *For Nursing Only*.
2. Complete the Personal Data Sheet for the Department of Nursing.
3. Have the medical form completed by a licensed physician.
4. Have the dental form completed by a dentist.

5. Take the National League for Nursing Aptitude Test on one of the dates scheduled on campus. Applications for the National League for Nursing Aptitude Test may be obtained from the Department of Nursing at Armstrong State College or from the Director of Admissions at Armstrong State College.
6. Take the Scholastic Aptitude Test given by the College Entrance Examination Board as early in the year as possible. When applying for the test, be certain to list Armstrong State College as one college to receive your scores.
7. Have a transcript of your high school record mailed from the high school directly to the Admissions Office at Armstrong. (A transfer student should also ask the Registrar of *each* school or college she/he has previously attended to mail an official transcript of her/his record to the Admissions Office at Armstrong, regardless of the transferability of the credits.)
8. Send or have sent, two written letters of reference, directly to the Admissions Office, from non-family members (teachers, employers, or other qualified persons) who have known you for at least three years.
9. Send or have sent to the Admissions Office a certified copy of your birth certificate.

### OTHER INFORMATION

1. It is recommended that applicants who have been away from school for a considerable period of time enroll in at least one course in an accredited college of their choice during the school year or summer preceding their planned entrance to the nursing program.
2. Except in unusual circumstances, no credit will be given for nursing courses taken in another school of nursing.
3. An applicant on academic suspension or probation from another college will not be considered.
4. Nursing students are responsible for providing their own transportation to and from campus to the clinical area. (i.e. community hospitals and other health agencies).
5. Armstrong State College does not provide student housing. It is necessary for the students whose homes are not located in Savannah to make private arrangements for living accommodations.



The responsibility for procuring suitable Housing rests with the student and her/his parents. For further information regarding housing please contact the office of Student Affairs.

6. Students are required to wear the official student uniform of the Department of Nursing. Uniforms will be ordered during the Winter Quarter and may be purchased from the College Bookstore.
7. Fees for a nursing student will be the same as for any other student at Armstrong. Please refer to the fees section of the current *Bulletin*.
8. Students are admitted to the nursing sequence courses once each year in the fall. Seven consecutive quarters in the nursing program are required. Students may begin the academic courses required in the program in any quarter.
9. All nursing courses must be taken in sequence. Each nursing course has a prerequisite beginning with Fundamentals of Nursing.
10. All students must take the National League for Nursing Pre-Nursing Aptitude and Guidance Examination.
11. Students accepted for the nursing program will be sent information on supplies and equipment needed for the Fall Quarter approximately two weeks before the opening of school with approximate charges.
12. Admission into Armstrong State College does not in any way guarantee formal admission into the Department of Nursing. This will be accomplished after one quarter in the nursing program in which a "C" average (2.0) must be attained.

## **Admission to the Associate in Science Degree in Dental Hygiene**

### **Second to None in Desirability as a Career**

The profession of Dental Hygiene is an ideal career for young women interested in science and health services. The growing and constant demand for graduate Dental Hygienists assures a young woman of regular hours and good compensation.

A dental hygienist works under the general supervision of a dentist and performs a number of dental functions. Her activities usually include performing oral prophylaxis (cleaning of the teeth), instructing

patients in dental health, taking, developing and mounting dental x-rays, applying fluorides and sometimes assisting the dentist in chairside and laboratory duties.

There are certain personal qualifications which are essential for a successful dental hygienist. These are good health, neat appearance, high moral character, a desire to be of service to others, and the ability to get along well with people.

The Armstrong State College program consists of seven quarters of full time study. (Two academic years and the intervening summer). Applicants are matriculated once each year, in September.

There are no definite age requirements or restrictions for the basic Dental Hygiene program. However, all applicants must be graduates of an accredited high school or its equivalent. Students may be either married or single and must be citizens of the United States, either natural born or naturalized.

Applicants must meet the admission requirements for Armstrong State College and the School of Dental Hygiene.

The major part of an applicant's secondary school work should be in the college preparatory program and should include two years of mathematics. Because of the heavy emphasis on science in the dental hygiene curriculum, it is important that applicants have a good foundation in chemistry and biology. The quality of the candidate's work is high school English and social studies is most important in evaluating her total qualifications for admission to the Dental Hygiene program. Other factors which influence the decision of the Dental Hygiene admissions committee are: a "C" or better average in high school, an acceptable score (composite—verbal and mathematical) on the Scholastic Aptitude Test given by the College Entrance Examination Board, and an average of 4 on the Dental Hygiene Aptitude Test.

## HOW TO APPLY

1. Complete the application form for admission to Armstrong State College and return it with the non-refundable \$10 application fee. Mark the application *For Dental Hygiene Only*.
2. Complete the Personal Data Sheet for the Department of Dental Hygiene.
3. Have the medical form completed by a physician.
4. Have the dental form completed by a dentist.
5. Take the Dental Hygiene Aptitude Test on one

of the three dates scheduled on campus. Applications for the Dental Hygiene Aptitude Test may be obtained from the Department of Dental Hygiene at Armstrong State College or from the Director of Admissions at Armstrong State College.

6. Take the Scholastic Aptitude Test given by the College Entrance Examination Board as early in the year as possible. When applying for the test be certain to list Armstrong State College as one college to receive your scores.
7. Have a transcript of your high school record mailed from the high school directly to the Admissions Office at Armstrong. (A transfer student should also ask the Registrar of *each* school or college she has previously attended to mail an official transcript of her record to the Admissions Office at Armstrong, regardless of the transferability of the credits).

#### OTHER INFORMATION

1. It is recommended that applicants who have been away from school for a considerable period of time enroll in at least one course in an accredited college of their choice during the school year or summer preceding their planned entrance to the Dental Hygiene program.
2. For the Associate in Science Degree no credit will be given for Dental Hygiene courses taken in another School of Dental Hygiene.
3. An applicant on academic suspension or probation from another college will not be considered.
4. Dental Hygiene students are responsible for providing their own transportation to and from campus and to community agencies when assigned for field experiences.
5. Armstrong State College does not provide student housing. It is necessary for the students whose homes are not located in Savannah to make private arrangements for living accommodations. The responsibility for procuring suitable housing rests with the student and her parents. For further information regarding housing please contact the Office of Student Affairs.
6. Students are required to wear the official student uniform of the Department of Dental Hygiene. Uniforms will be ordered during the Winter

Quarter and may be purchased from the College Bookstore.

7. Fees for Dental Hygiene Students will be the same as for any other student at Armstrong. Please refer to the Fee Section of the current *Bulletin*.
8. Students are admitted to the dental hygiene sequence courses once each year in the fall. Seven consecutive quarters in the dental hygiene program are required. Students may begin the academic courses required in the program in any quarter.
9. All Dental Hygiene clinical courses must be taken in sequence. Each Dental Hygiene course has a prerequisite beginning with Dental Hygiene 101.
10. All students must take the Dental Hygiene Aptitude Test to be considered for admission.
11. Students accepted for the Dental Hygiene program will be sent information on supplies and equipment needed for the Fall Quarter approximately two weeks before the opening of school with approximate charges.
12. Admission into Armstrong State College does not in any way guarantee formal admission into the Department of Dental Hygiene. This will be accomplished after one quarter in the Dental Hygiene program in which a "C" average (2.0) must be attained.

## **Admission to the Associate in Arts Degree Program in Police Administration**

An Applicant must present :

1. evidence of high school graduation (or equivalent) as shown by the high school transcript or General Educational Development credit (USAFI credits or credits earned through his school correspondence courses are not accepted) ;
2. transcripts from all previous colleges attended ;
3. a letter of recommendation from high school principal, teacher, or counselor, and letter from the chief law enforcement officer in your community.

The applicant must be approved by the faculty of the Department of Police Administration.

# 4 / FEES

## APPLICATION FEE

The Application Fee of \$10.00 is paid by all students at the time of initial application for admission to Armstrong State College. The acceptance of the Application Fee does not constitute acceptance of student. This fee is not refundable.

## MATRICULATION FEE

The Matriculation Fee for students registering for the normal course load of fifteen hours is \$105.00. Students carrying less than 12 credit hours in a quarter will pay at the rate of \$9.00 per quarter hour in Matriculation Fee.

## OUT OF STATE TUITION

Non-residents of Georgia must pay a fee of \$135.00 per quarter in addition to all regular fees. Students carrying less than 12 credit hours in a quarter who are not legal residents of the State of Georgia will pay at the rate of \$11.00 per quarter hour Out-of-State Fee in addition to all regular fees.

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## STUDENT ACTIVITY FEE

There will be a Student Activity Fee of \$12.00 per quarter for students registering for a course load of twelve or more quarter hours. Students carrying less than twelve credit hours in a quarter will pay at the rate of \$1.00 per quarter hour. This fee is not refundable.

## LATE REGISTRATION FEE

A late registration fee of \$4.00 will be charged to students registering on the date listed in the catalog as the date on which classes begin. A fee of \$5.00 will be charged for registrations completed on the date listed in the catalog as the "last day to register for credit."

## CHANGE OF SCHEDULE FEE

A fee of \$2.00 is charged for the changing of a student's schedule after the registration cards have been

processed. No charge is made if the change is initiated by the College. This fee is not refundable.

### **GRADUATION FEE**

A Graduation Fee of \$10.00 will be collected from each candidate for Graduation.

### **TRANSCRIPT FEE**

Each student is entitled to one official transcript of his college work. The charge for additional copies is \$1.00 each.

### **MUSIC FEES**

Students who are not full-time music majors registered for 10 or more quarter hours will be required to pay a special fee for applied music courses in addition to the regular registration and matriculation fees. The fees are indicated in the description of courses found under "Course Descriptions" elsewhere in this bulletin and are not refundable.

Students who are full-time music majors and registered for 10 or more quarter hours are not required to pay this special fee.

### **MAKE-UP TEST FEE**

For cause, a student may arrange with an instructor to make up an announced quiz or final examination. The arrangements to make up the announced test must be made within one week after the student returns to college.

A fee of \$2.00 is charged for the making up of any announced quiz and a fee of \$5.00 for a make-up final examination and laboratory examinations, except as shown below. The total charges to any one student for a final make-up examination in a given subject shall not exceed \$5.00. All fees will be paid to the Business Office.

The conditions under which fees for make-up quizzes and final examinations will not be charged are as follows: The student was absent (1) on official college business; (2) due to illness; (3) because of death in the family; or (4) in observing religious holidays.

The student's reasons for claiming exemption from paying the fee must be presented in writing to the instructor.

### **SHORT COURSES**

Fees are announced for each course when the course is announced. No refund can be made for withdrawal from a course.

## SUMMARY OF FEES

Matriculation per quarter .....	\$105.00
Student Activity, per quarter .....	12.00
TOTAL FOR GEORGIA RESIDENTS.....	\$117.00
Out of State Tuition, per quarter.....	135.00
TOTAL FOR NON-RESIDENTS.....	\$252.00
Matriculation, Part-time Students, per quarter hour .....	9.00
Student Activity Fee, Part-time Students, per quarter hour .....	1.00
Non-Resident Tuition, Part-time Students, per quarter hour (in addition to Matriculation Fee) .....	11.00

## PRIVILEGE FEES

Application Fee .....	\$ 10.00
Late Registration—Maximum .....	5.00
Special Examinations .....	2.00
Final Examinations .....	5.00
Graduation Fee .....	10.00
Transcript, first one free, each additional .....	1.00
Change of Schedule .....	2.00

## REFUNDS

Refunds of fees will be made only upon written application for withdrawal from school. No refunds will be made to students dropping a course. Students who formally withdraw during one week following the scheduled registration date are entitled to a refund of 80% of the fees paid for that quarter. Students who formally withdraw during the period between one and two weeks after the scheduled registration date are entitled to a refund of 60% of the fees paid for that quarter. Students who formally withdraw between two and three weeks after the scheduled registration date are entitled to a refund of 40% of the fees paid for that quarter. Students who formally withdraw during the period between three and four weeks after the scheduled registration date are entitled to a refund of 20% of the fees paid for that quarter. Students who withdraw after a period of four weeks has elapsed from the scheduled registration date will be entitled to no refund of any part of the fees paid for that quarter.

*Fees and Charges are Subject to Change at the End of any Quarter*

Any student delinquent in the payment of any fee due the college will have grade reports and transcripts of

records held up, and will not be allowed to re-register at the college for a new quarter until the delinquency has been removed.

Fees for each quarter are to be paid in full at the time of registration.

If a check is not paid on presentation to the bank on which it is drawn, the student's registration will be cancelled and the student may re-register only on payment of a \$5.00 service charge.





# 5/FINANCIAL AIDS

## FINANCIAL AIDS

A college education for qualified students, regardless of their economic circumstances, is the guiding principal behind Armstrong State College's program of student financial aid. Through an expanding program of financial aid which offers scholarships, short-term loans, National Defense Student Loans, Nursing Student Loan Program and student employment, Armstrong State College tries to make it possible for all qualified students with limited resources to attend college.

In selecting a financial-aid recipient, special consideration is given to the applicant's record of achievement and promise of success as well as his financial need. Gift scholarships usually specify high academic standards as an eligibility requirement; otherwise full-time students in good standing who progress normally toward their degree-goal are eligible for financial aid.

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Armstrong State College uses the College Scholarship Service which evaluates the Parents' Confidential Statement. Freshmen may secure this form from the local high school counselor, from the Office of Student Affairs of the College, or from the College Scholarship Service, P. O. Box 176, Princeton, New Jersey. Applications which do not include this financial data are incomplete and cannot be considered. Applications for scholarships must be filed before May 1. Final action cannot be taken until the applicants have been accepted for admission to the college; thus, early application is urged.

If a student on scholarship withdraws from school, he is obligated to reimburse the college for the scholarship within one quarter following the date of withdrawal.

## SCHOLARSHIPS

American Business Women (Rebel Chapter)  
Armstrong State College Athletic Association  
Harry M. Carter Scholarship  
Chatham Education Association Scholarship

Colonia Oil Industries Scholarship  
Elks Aidmore Auxiliary (Nurses)  
Fraternal Order of Police  
Garden City Lions Club Scholarship  
Great Dane Trailer Scholarships  
Robert W. Groves Scholarships  
James P. Harte Scholarship  
Junior Chamber of Commerce Scholarships  
Jaycettes Scholarship  
Kiwanis Academic Award  
Kiwanis Athletic Award  
Arthur Lucas Memorial Scholarship  
Masquers' Scholarship  
Metropolitan Kiwanis Club of Savannah Scholarship  
National Secretaries Scholarship  
N.C.O. Wives Club Scholarship  
Panhellenic Scholarship  
Photocraft Scholarship (Journalism)  
Plumrite Scholarships  
Port City Lions Club Scholarship  
Anthony Porter Scholarships  
Savannah Business and Professional Club Scholarship  
Savannah Women's Club Scholarship  
Scholarship Trust Fund Awards  
Harry G. Strachan, III Memorial Scholarship  
Strachan Shipping Company  
Student Senate Athletic Scholarships  
Union Camp Scholarships (for Junior College students)

## REGENTS' SCHOLARSHIPS

Another source of scholarship aid for students who are residents of the State of Georgia is the Regents' Scholarship. These scholarships, varying from \$250 to \$1,000, are awarded to superior students who are in need of financial assistance to attend college. To be eligible for a Regents' Scholarship, a student must have grades or predicted grades that place him in the upper 25% of his class. Recipients of Regents' Scholarships are expected, upon completion of their program of study, to reside in the State of Georgia and work one year for each \$1,000 of scholarship aid received.

Further information on these scholarships and application forms may be obtained from the Office of Student Affairs at the College. The deadline for applying for the Regents' Scholarships is April 30.

## EDUCATIONAL OPPORTUNITY GRANTS

Educational Opportunity Grants are available to a limited number of students with exceptional financial

need who require these grants in order to attend college. To be eligible, the student must also show academic or creative promise.

Grants will range from \$200 to \$1000 a year and can be no more than one-half of the total assistance given the student.

### **NATIONAL DEFENSE STUDENT LOANS**

High school graduates who have been accepted for enrollment or who are already enrolled at Armstrong State College and who need financial help for educational expenses, are eligible for student loans. Financial need determinations are made on the basis of information included in the Parents' Confidential Statement.

The loans bear interest at the rate of 3 per cent per year. Repayment of the principal may be extended over a ten-year period, except that the institution may require a repayment of no less than \$15 per month.

If a borrower becomes a full-time teacher in an elementary or secondary school or in an institution of higher education, as much as half of the loan may be forgiven at the rate of 10 per cent for each year of teaching service.

### **GEORGIA HIGHER EDUCATION ASSISTANCE CORPORATION**

The Georgia Higher Education Assistance Corporation guarantees educational loans made by bona fide Georgia residents. Under this plan, the student negotiates with approved banks, savings and loan associations, or insurance companies for a student loan. The loan application is reviewed and approved by the college. The lending institution, with approval of the Georgia Higher Education Assistance Corporation, makes the loan directly to the student.

While the student remains in college, GHEAC will pay the lending institution six per cent interest. When the student terminates college, he becomes responsible to the lending institution for repayment of the principal together with interest.

### **LAW ENFORCEMENT EDUCATION PROGRAM**

Through the Law Enforcement Student Loan Program and the Law Enforcement Student Grant Program, low-interest loans and grants for tuition and fees are made available to eligible students. Loans are made only to students who are enrolled or accepted for enrollment on a full-time basis in the Police Science Program.

Grants are available only to students who are officers of publicly-funded law enforcement agencies enrolled or accepted for enrollment on a full-time or part-time basis in an area related to law enforcement or an area suitable for those employed in law enforcement.

### **NURSING STUDENT LOAN PROGRAM**

The Nursing Student Loan Program provides financial assistance for nursing students in the form of long-term, low-interest loans. Students enrolled in nursing schools are eligible to receive a \$1,500 loan, or the amount of their financial need, whichever is the lesser. A uniform interest rate of three percent per year will apply to student loans made after June 30, 1969. Fifty percent of the loan may be forgiven at the rate of 10 percent each year for full-time employment as a professional nurse in any public or nonprofit institution or agency.

### **BARNEY MINKOFF PADEREWSKI SCHOLARSHIP MEMORIAL FUND**

Students enrolled in the Dental Hygiene Program may make loans up to \$500 per year, interest free. Repayment shall begin six months after the student has ceased to be enrolled as a student at the minimum rate of \$50 per month. Applications are available in the Office of Student Affairs.

### **FINANCIAL AID APPLICATION PROCEDURE**

A financial aid applicant should take the following steps:

1. File Armstrong State College Financial Aid Application Form with Director of Financial Aid, Office of Student Affairs before May 1 for the Fall Quarter.
2. Apply for admission to Armstrong State College through the regular Admissions Office.
3. Take the Scholastic Aptitude Test given by the College Entrance Examination Board no later than January of the senior year and list Armstrong as one college to receive your scores.
4. Have parents (or guardian) complete and submit the Parents' Confidential Statement to College Scholarship Service, Box 176, Princeton, New Jersey, requesting that the Need Analysis Report be sent to Armstrong State College.

When the Director of Financial Aid has received all items listed above, then and only then, will consideration be given to the student's request.

## OTHER SOURCES OF FINANCIAL AID TO ARMSTRONG STATE COLLEGE

Short-term and long-term loans are available at low interest rates through the Kiwanis and Rensing Loan Funds.

**Clinton Lodge No. 54, F. & A. M. Scholarship** — This scholarship is for graduates of the regular high schools of the Public School System of Chatham County. Grants will be awarded to students whose family income is \$7,500 or less; who stand in the top 30% of their class; who have a combined SAT score of 900, and who are of good character. Return to: Education Committee, Clinton Lodge No. 54, F. & A. M., P.O. Box 992, Savannah, Georgia, by June 1.

**Solomons' Lodge No. 1, F. & A. M. Scholarship** — Two scholarships for \$240 each to be awarded to a graduate of a tax-supported high school. Apply to: Committee on Scholarship Awards, Solomon's Lodge No. 1, F. & A. M., P.O. Box 1711, Savannah, Georgia.

**Savannah Chapter, National Secretaries Association** — One scholarship covering tuition, fees and expenses, for a female student majoring in secretarial science. Apply to: high school counselor or typing teacher.

**William F. Cooper Education Fund** — Provides scholarships to female students in all fields except law, theology, and medicine (nursing and medical technology are acceptable). Apply to: Trust Department, Savannah Bank & Trust Company, between April 1 and May 31.

**Kennen Foundation Music Scholarships**—For piano students. Applicants may apply for an audition prior to May 1 at Kennen Foundation Headquarters, 1451 Dale Drive.

**State Teachers Scholarships** — Provide scholarship funds for residents of Georgia for the purpose of pursuing a full academic program of studies leading to a professional teacher's certificate. In order to qualify for a State Teacher Scholarship, a student must have an average of B or higher. The amount of the scholarship award will depend on the need of the student.

**The State Scholarship Commission** — Provides scholarships for students who cannot otherwise finance the cost of a program of study in dentistry, nursing, pharmacy, social work, paramedical fields and other educational and professional fields of study as defined and approved by the Commission.

**Ty Cobb Education Foundation Scholarship** — Provides scholarship aid for residents of the State of Geor-

gia who have completed their freshman year in college. Apply to: Ty Cobb Educational Foundation Scholarships, Room 454, 244 Washington Street, S.W., Atlanta, Georgia 30303.

**Pickett & Hatcher Educational Fund** — Provides loans at reasonable interest rates to students in need of such aid to attend college. Apply to: Pickett & Hatcher Educational Fund, P.O. Box 1238, Columbus, Georgia.

**Savannah Pharmaceutical Association Scholarship**— One scholarship for \$200 for a freshman student majoring in pre-pharmacy to attend Armstrong College (or the University of Georgia). Apply to: Mr. Thomas C. Crumbley, Chairman, Scholarship Committee, Savannah Pharmaceutical Association, c/o Crumbley's Pharmacy, 1502 Waters Avenue, Savannah, Georgia.

**Chatham Artillery Scholarships** — A number of scholarships for \$250 each to members of the Chatham Artillery attending college full time. Apply to the Chatham Artillery.

**State Department of Vocational Rehabilitation** — Students who have had a physical or emotional handicap, and have been treated successfully, and are acceptable for vocational rehabilitation, may receive financial assistance to attend college through the State Department of Vocational Rehabilitation. Apply to: 35 Abercorn Street, Savannah, Georgia.

## **WORK-STUDY PROGRAM**

Financial aid is available to students through the Work-Study Program. A number of part-time, on-campus jobs are made available to students who need financial assistance. Both the institutional application and the Parents' Confidential Statement are required. While school is in session, students may work up to three hours a day. During vacation periods and in the summer, it is possible for them to work full-time.

The student's eligibility depends upon his need for employment to defray college expenses with preference given to applicants from low-income families.

## **STUDENT ASSISTANT PROGRAM**

Work opportunities are available under the Student Assistant Program to interested students. This is a program financed by the College, and work is not necessarily assigned on the basis of financial need. Applications are available in the Office of Student Affairs.

# 6/ACADEMIC REGULATIONS

## HONOR SYSTEM

The Honor System at Armstrong State College provides all members of the student body with an opportunity to participate in self government. The accompanying responsibilities are outlined below.

The Honor System, written by a joint committee of faculty and students, received an overwhelming endorsement by both faculty and students during the Winter Quarter, 1965.

The ordinances of the Honor System are as follows:

- I. All students must agree to abide by the rules and regulations of the Honor System. A student shall not be accepted at Armstrong State College unless he signs the following statement at the time of his first registration:

"I have read the regulations governing the Honor System at Armstrong State College, and I understand that as a student at Armstrong, I must comply with all of these requirements." This statement and all rules and regulations governing the Honor System shall be printed in the official Bulletin and the Student Handbook. The statement shall also be printed on the application form for admission to be signed by the student before admission to the College. It will be the responsibility of the Honor Council to conduct an extensive orientation program at the beginning of each quarter for all newly entering students to explain fully the requirements of the Honor System and to allow full discussion of these regulations.

- II. The following shall be considered violation of the Honor Code:
  - A. Academic dishonesty of any kind (giving or receiving any unauthorized help on any assignment, test or paper. At the beginning of each quarter it shall be the responsibility of each teacher to make clear what shall be considered unauthorized help in his course).

- B. Stealing only when related to cheating.
- C. Lying before the Honor Council.
- D. Failure to report a known offense. (Lying or stealing in any other cases will be considered disciplinary, not Honor, matters.)

III. Ways of reporting a violation of the Honor Code:

- A. Self-reporting: A student who has broken the Honor Code should report himself to a member of the Honor Council.
- B. Anyone (faculty member or student) who is aware of a violation of the Honor Code must report the matter. This may be done in one of two ways:
  - 1. He may tell the person thought to be guilty to report himself to a member of the Honor Council no later than the end of the next school day. After this designated time the person who is aware of the violation must inform a member of the Honor Council so that the Honor Council may contact the accused person if he has not already reported himself.
  - 2. He may report the suspected violation directly to a member of the Honor Council without informing the accused.

IV. The Honor Council will be composed of nine students.

- A. Selection shall be made by the President, Vice-President and Secretary of the Student Body, the President and Secretary of the Honor Council, together with three faculty members appointed by the President of the College. Selection shall be based on the following requirements:
  - 1. High moral principles and unquestioned academic integrity in all their relations to fellow students, faculty, and administrative officials.
  - 2. A minimum of C+ for the preceding quarter and an over-all average of C+.

Any student not in good standing with the college in academic or disciplinary matters is ineligible to serve on the Honor Council. Any member of the Honor Council who falls below these requirements will be ineligible to continue his term of service. A replacement will not be selected, however, unless the total num-



ber of students on the Honor Council falls below seven.

- B. The selection committee shall submit a questionnaire to those students who meet these requirements. On the basis of the questionnaires the committee has the power to appoint three seniors, three juniors, and three sophomores to serve on the Honor Council. At least three committee members shall be women and at least three shall be men. This distribution may be altered when deemed best by the selection committee. The appointments shall be made by the second Tuesday in March, and the Council shall assume its duties on April 1.
  - C. The Honor Council shall elect one of its members to serve as President and one as Secretary. The President shall preside at all meetings and trials, and the Secretary shall maintain a written record of all proceedings.
  - D. During summer school, any member of the Honor Council who is attending summer classes will serve on the Council for the summer together with other students appointed by the Council and the Dean of Student Affairs.
- V. The Honor Council shall formulate its own by-laws and procedure.
- A. An Honor Council meeting shall be called by the President of the Council to examine a reported violation as soon as possible after such a report. When possible the meeting of the Council will be held within a week of the violation.
  - B. At the meeting the Honor Council will hear the accusation, the testimony of any witnesses, and any defense the accused may wish to present.
  - C. The accused will have the right to hear all witnesses and all evidence brought before the Honor Council.
  - D. Written notification of the specific charges which, if approved, shall be made grounds for suspension or dismissal from a class.
  - E. The accused will be considered innocent until proved guilty.
  - F. Every trial shall be conducted by a Council of at least seven members, including the Presi-

dent. In the absence of the President, the senior justice shall preside.

- G. The Secretary will keep minutes of all meetings. All official testimony will be tape recorded, provided that the recording devices are under the control of the Council.
- H. A vote of two-thirds majority of the members of the Honor Council present and voting will be necessary for the conviction of the accused. The Council, in the event of a verdict of guilty, shall determine the penalty by majority vote.
- I. The vote will be taken by secret ballot.

#### VI. Post-trial Procedure.

- A. Immediately upon conclusion of the trial, the accused shall be notified of the findings and of the recommendation that the Council will make to the President of the College.
- B. If the accused is found innocent, he shall be notified of the finding and cautioned that the trial may be re-opened for good cause by the Council within a period of three weeks or at the request of the professor in whose course the alleged violation occurred.
- C. If a person is found guilty, the Honor Council will recommend to the President of Armstrong State College one of the following:
  - 1. Expulsion from the class and denial of credit in the course in which the violation occurred and denial of the position of any elective office.
  - 2. Suspension from school for any number of quarters (the minimum suspension will be for the remainder of the quarter in which the violation occurs.)
  - 3. Expulsion from school.

In cases where the accused is found guilty, the Honor Council will report in writing its recommendations to the President of the College who will make the final decision. After the President of the College has decided on the action to be taken, he will inform, in writing, the accused, the professor of the class in which the violation occurred, and the accuser of his decision. The secretary of the Honor Council will then post an official notice on the bulletin boards announcing his action without mentioning the name of the accused.

- VII. Although the College feels that the above three recommendations are appropriate for academic dishonesty, it also recognizes that unique circumstances may arise. For such cases a series of appeals is open to the convicted student. He may appeal either the conviction or the punishment or both in the following ways:
- A. To the President of Armstrong State College in a letter.
  - B. The President's decision may be appealed to the Chancellor of the University System of Georgia in a letter.
  - C. The Chancellor's decision may be appealed to the Board of Regents of the University System of Georgia in a letter.
- VIII. Each student will be required to write on every written assignment, test, or paper a pledge that he has neither given nor received any unauthorized help on this work. This may be done by writing the word "Pledged" followed by the student's signature.
- IX. The Honor System is dependent upon student cooperation and support. It is felt that every student wishes the credit for his work to be unquestioned and the college he has chosen to be respected.
- X. A revision of the Honor System will require a majority vote of the faculty and of the student body.

## ACADEMIC ADVISEMENT

Every student who enters Armstrong State College indicates at the time he applies for admission what major program he hopes to follow toward a degree, either at Armstrong or at another college.

If the student has not yet decided upon a choice for his major program, he may attend several advising sessions during the orientation period. In fact, it is not necessary in many major programs for the Bachelor of Arts degree to make a clear choice until the end of the sophomore year. If a student waits one or two years to choose a major program leading to a Bachelor of Science degree, he will probably find that he must take additional courses to meet graduation requirements. For a student attempting to choose a major field during his first two years, the Office of the Dean of Students Affairs offers counselling helps, and faculty members are happy to discuss aspects of their field.

During Orientation Week and before registration all new entering students, both freshmen and transfer students, will meet with the faculty adviser for the major program they have indicated. The adviser will guide them at this time in mapping out a schedule for the first two years. The student is then responsible for taking the courses required for his program, as outlined in the college Bulletin, in the proper sequence, during his freshman and sophomore years. If the student has questions concerning the courses required or the proper scheduling of them during these first two years, he should see the faculty adviser assigned by his major department to confer with students during the pre-advisement period scheduled in the college calendar. Since the student is responsible for fulfilling the requirements of his program, he does not need the written approval of a faculty adviser in order to register for courses each quarter.\*

During the third quarter of his sophomore year, a student hoping to pursue a four-year major program should take to the faculty adviser assigned by his major department a list of the courses he has completed with grades. Having satisfactorily completed the requirements for the first two years of his major program, he will then be admitted formally to the third year of the major program and guided by the departmental adviser in mapping out his curriculum for the last two years. During the six quarters of his junior and senior years the student must have his course selection approved in writing by the departmental adviser each quarter before registration. The proper time for this is during the pre-advisement period listed in the college calendar. During these last two years, the adviser will keep a record of the courses the student takes and the grades he makes, and during the fall quarter of the senior year, the adviser will signify to the Registrar whether the student has completed all requirements for graduation in that major program up to that time, and is therefore recommended for graduation.

## RELATING TO DEGREE REQUIREMENTS

1. Each student is responsible for fulfilling the requirements of the degree program which he has chosen, in accordance with the regulations of the college catalogue.

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\*However, a student must be extremely careful to observe all regulations for admission to courses, such as the requirement of other prerequisite courses, sometimes with a specified grade. Credit for a course is invalid unless all its prerequisite requirements are observed.

2. Exceptions to course requirements for a degree are permitted only by the written approval of the Dean of the College upon the recommendation of the department head.
3. A student will graduate under any catalogue in effect from his time of entrance to the college. However, after an absence from Armstrong State College of two or more consecutive years, a student must meet the requirements of a catalogue in effect after his return.
4. Not more than one-fourth of the work counted toward a degree may consist of courses taken by correspondence or extension. No correspondence courses may be used to meet the requirements in the major field or related fields for the Bachelor's degree or for English composition or foreign language. No correspondence courses may be taken while a student is enrolled.
5. By state law one of the requirements for a diploma or certificate from schools supported by the State of Georgia is a demonstration of proficiency in United States history and government and in Georgia history and government. A student at Armstrong State College may demonstrate such proficiency by passing
  - 1) Political Science 113 *and* History 251 or History 252,
  - or 2) A two hour examination in United States and Georgia history and government.
6. To qualify for the baccalaureate degree, a student must earn at Armstrong the last 45 quarter hours of credit applicable toward the degree; and he must complete at Armstrong at least half of the courses required in his major field of study. When circumstances warrant his doing so, the Dean of the College may permit a student to complete up to *ten* of the last 45 quarter hours of credit at another college. (A request for permission to complete more than ten of these last 45 hours elsewhere than at Armstrong will be referred to the Committee on Academic Standing.)
7. For graduation there must be an over-all average of 2.0 or better considering work taken at all colleges, computed in such manner that a course will be counted only once, regardless of the number of times that it has been repeated. The grade earned in the last attempt will determine

the number of honor points assigned for graduation.

Additionally, there must be a grade point average of 2.0 or better on each of the following:

- a. all work at Armstrong;
- b. all courses in the major field.

(For regulation on grade point average governing probation and dismissal see page 57.)

8. To qualify for a second baccalaureate degree, a candidate must earn at Armstrong at least 45 additional hours of credit and, of course, meet all qualitative requirements for the degree.
9. Before a degree will be conferred upon a student by Armstrong State College, all fees must have been paid, and the Registrar must have been notified in writing at least by the end of the preceding fall quarter of his intention to graduate. A candidate for a degree, unless excused in writing by the President, Dean of the College, or Dean of Student Affairs, must attend the graduation exercises at which a degree is to be conferred upon him.

## COURSE AND STUDY LOAD

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The normal course load for full-time students is 15 quarter hours (and a course in physical education during the freshman and sophomore years). An average student should devote at least thirty hours each week, in addition, to course preparation.

A full-time student is defined as one who is registered for 12 or more quarter hours. A part-time student is one registered for less than 12 quarter hours. (The Veterans Administration and Selective Service regulations often require that student be enrolled for more than 12 quarter hours to be classified as a full-time student under their rules.)

The maximum course load for a student who works full-time is 11 quarter hours. A working student should plan about ten hours preparation for each 5 quarter hour course.

## CLASSIFICATION OF STUDENTS

A student who has earned 45 quarter hours of credit will be classified as a sophomore; 90 quarter hours of credit, as a junior; 135 quarter hours of credit, as a senior.

## PERMISSION FOR OVERLOAD OR COURSES AT ANOTHER COLLEGE

Permission to enroll for more than 17 quarter hours will be granted by the Registrar to a student

- a) with an average grade of "B" for the preceding quarter, or
- b) in an engineering program, or
- c) requiring an extra course in one of the two quarters prior to graduation.

No student will be allowed to register for more than 21 quarter hours in any one quarter.

Exceptions to these limitations may be made only by the Dean of the College.

A student enrolled in Armstrong who at the same time pursues courses for credit at another college may not transfer such credit to Armstrong, unless he has obtained in advance the written permission of the Dean of Armstrong State College to register for those courses.

## REPORTS AND GRADES

It is felt by the faculty that students in college should be held accountable for their scholarship. Accordingly, grade reports, warnings of deficient scholarship and all such notices are not sent to parents or guardians by the Registrar except on request. Instead the students themselves receive these reports and are expected to contact their advisers whenever their work is unsatisfactory. Report cards are issued at the end of each quarter. Reports of unsatisfactory grades are issued in the middle of each quarter. Each student has access to an adviser; in addition, the Registrar and all instructors are available to help any student seeking assistance.

Reports are based on the following system of grading:

GRADE	HONOR POINTS
A	4.0
B	3.0
C	2.0
D	1.0
F	0
I	Incomplete
W	Withdrew with no grade
WF	Withdrew failing
NC	No Credit

A student who receives an "I" (incomplete grade) should consult his instructor at once and arrange to complete the requirements of the course. An "I" grade

which has not been removed by the middle of the succeeding quarter automatically becomes an "F".

## HONORS

*Dean List:* Students enrolled for at least five quarter hours of course work who earn an honor point average of at least 3.5 will be placed on the Dean's List, which is published quarterly.

*Cum Laude:* Those students graduating with an honor point average of 3.2 through 3.5 will be graduated *cum laude*.

*Magna Cum Laude:* Those students graduating with an honor point average of 3.6 through 3.9 will be graduated *magna cum laude*.

*Summa Cum Laude:* Those students graduating with an honor point average of 4.0 through 4.5 will be graduated *summa cum laude*.

All work attempted at Armstrong and other institutions will be considered in computing honors for graduation.

## ATTENDANCE

The control of student attendance at class meetings and the effect of a student's attendance on his grades in a course is left entirely to the discretion of the instructor.

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A student is responsible for knowing everything that is announced, discussed, or lectured upon in class as well as for mastering all assigned reading; he is also responsible for turning in on time all assignments and tests, including recitation and unannounced quizzes. The best way to meet these responsibilities is to attend classes regularly. An instructor may drop a student from any class with a grade of "WF" if he thinks that excessive absence prevents that student from satisfactorily fulfilling his responsibilities. If such excessive absence is the result of prolonged illness, death in the family, college business, or religious holidays, the withdrawal grade will be either "W" or "WF" depending on the student's status at the time he was dropped. Each instructor will be responsible for informing his classes on their meeting what constitutes excessive absence in the particular class. Each student is responsible for knowing the attendance regulation in his class and for complying with it.

## PHYSICAL EDUCATION PROGRAM

All Students who are enrolled for ten quarter hours or more on the day schedule are required to complete



six physical education courses, one in each quarter of the freshman and sophomore years (111, 112, 113 in the freshman year).

A student graduating with an Associate in Arts Degree in less than six quarters must take one course in each quarter of his freshman and sophomore years.

Students enrolled in the Associate in Arts Degree program in nursing are required to complete three physical education courses.

A student who has completed at least six months of military service is required to take only four courses of physical education, which he may choose from all scheduled offerings, during his freshman and sophomore years.

Physical education is not required of anyone who is beyond the age of 25 at the time of initial matriculation, or of anyone enrolled primarily in evening classes.

The department requires all students to make up excused absences; unexcused absences lower the final grade.

#### ACADEMIC PROBATION AND DISMISSAL

A student failing to maintain the grade-point average indicated for quarter hours attempted will be placed on academic probation:

Quarter Hours Attempted at Armstrong and Elsewhere	Required Cumulative GPA*
0-15	1.3
16-30	1.4
31-45	1.5
46-60	1.6
61-75	1.7
76-90	1.8
91-105	1.9
106-120	1.9
121-135 and over	2.0

A student on academic probation who raises his cumulative grade-point average during the probationary quarter to equal or exceed the appropriate figure in the foregoing table will be returned to good standing. One who fails to achieve the required cumulative average, but does earn an average of at least 2.0 for the quarter, will be continued on probation for the next quarter of attendance. (A grade of 'I' will be treated as 'F' until it is removed.)"

Failing to meet either of these requirements for academic probation, a student will be dismissed from the

college for one quarter. A third such academic dismissal will be final.

A student re-entering the college after academic dismissal is placed on probation and must meet the requirement listed above.

A student dismissed for academic reasons may appeal by letter to the President, who will refer the appeal to the Committee on Academic Standing. Such a letter of a appeal should state the nature of any extenuating circumstances relating to the academic deficiency; the letter must be received by the President no later than 9 a.m. of registration day.

### **DROPPING COURSES**

A student desiring to drop a course after the quarter has begun must obtain a Drop-Add Notice in the Student Personnel Office. The notice must be signed by the instructor of the course being dropped and returned to the Registrar's office.

A student who drops a course not more than seven school days after the class begins will receive the grade of "W". A student who drops a course after the first seven school days and before the last eight school days will receive a grade of "W" or "W/F", depending on his status when he dropped. A student may not voluntarily drop a course during the last eight school days of a quarter.

### **WITHDRAWING FROM COLLEGE**

Any student who finds it necessary to withdraw from college must begin the process in the Student Personnel Office. A formal withdrawal is required to insure that the student is eligible to return to Armstrong State College at a future date. Any refund to which a student is entitled will be considered from the date which appears on the withdrawal form.

### **AUDITING**

A regular student wishing to "audit" a course without receiving credit must obtain the written permission of the instructor before he registers for the course. (Policy for some courses forbids "auditing") An "auditor" cannot change to regular credit status after the first week of class. A student may not change from credit status to audit status after the first seven class meetings. A student who registers for a course as an "auditor" receives no credit, "N.C.", on his transcript. Regular schedules of fees apply to auditors.

# 7/STUDENT SERVICES, ACTIVITIES

The Division of Student Affairs, administered by the Dean of Student Affairs, is responsible for all student services and activities. In addition to formal classroom instruction, the College recognizes the need for providing programs and services which contribute to a well-rounded college experience. Such programs are administered by the Division of Student Affairs through the following individuals: Registrar, Admissions Officer, Counselors, Director of Financial Aid, Director of Student Activities, and the Campus Nurse.

## ACADEMIC ADVISEMENT

Before and during registration, members of the faculty are available to students for assistance in the selection of course work and in the scheduling of classes. Information concerning degree requirements and college regulations is provided and topics of general academic interest may be discussed.

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By the end of the sophomore year, students are required to designate a major field and are assigned to a faculty adviser in that area. The faculty adviser then works closely with the student in planning a program leading to the successful completion of degree requirements.

## COUNSELING SERVICES

The faculty and administration of Armstrong State College recognize that students are frequently confronted with difficult and important decisions. In some instances students need the competent assistance of professional persons who have been trained to deal with the specific problems of college students.

In light of these needs, qualified testing and guidance counselors are located in the Office of Student Affairs to help students in (1) clarifying educational and vocational objectives, (2) developing effective study skills and habits, and (3) dealing with problems of social and emotional significance.

## **ORIENTATION**

Orientation for freshmen is scheduled prior to registration for the fall quarter. The program is designed to assist students in making the transition from high school to college and to acquaint them with school policies, traditions, and procedures. The Orientation Program includes an introduction to administrative officials and faculty; a presentation of the purposes and academic progress of Armstrong State College; indoctrination concerning the college's regulations and requirements; an introduction to student leaders and student activities; a survey of the facilities of the school; an opportunity for the student to plan a program with counselors; and social events. Attendance is required.

## **PLACEMENT OFFICE**

The Placement Office, located in the Office of Community Services, assists Armstrong State College graduates in securing business and professional positions. Any senior desiring assistance in securing employment should contact this office.

## **CONDUCT**

Every student who enrolls in a course at Armstrong State College commits himself, by the act of enrolling, to full compliance with the rules and regulations of the Honor System. This system was written by a joint student-faculty committee, at the request of the students, and was adopted by an overwhelming vote of the mental part of our academic community's way of life. The Honor System is given under "Academic Regulations" in this Bulletin and in the Student Handbook.

Compliance with the regulations and policies of the faculty of Armstrong State College and the Regents of the University System and Georgia is assumed. To enroll is to agree to assume responsibility for obeying and to agree to use established channels to promote change. Not to do so is sufficient basis for the college to terminate the contract.

## **STUDENT ACTIVITIES AND ORGANIZATIONS**

In addition to an outstanding academic program, Armstrong State College offers a complete schedule of extra-curricular student activities designed to contribute to the development of the student and assist him in becoming an active and productive member of the community in which he lives.

Student organizations at Armstrong State College reflect the natural variety of interests found in a diversified student body. Individuals who seek a well-rounded

education will avail themselves of the varied opportunities afforded through the college program of student activities.

## CLUBS AND ORGANIZATIONS

A variety of clubs and organizations representing varied interests and activities are available to students at Armstrong State College. These include academic interest clubs, dance and social organizations, hobby groups, religious groups, and others. The formally recognized clubs on campus are listed below.

Cheerleaders	Delta Phi Upsilon
Photography Club	Chess Club
Alpha Tau Beta	Phi Kappa Theta
Delta Chi	Wesley Foundation
Literary Club	Baptist Student Union
Future Secretaries	Glee Club
Geechee	Alpha Phi Omega
Masquers	Tau Epsilon Phi
Young Democrats	Pep Band
Newman Club	Hie Psi
Circle K	Inkwell
Student Nurses Asso. of Ga.	Student National Education Association

## STUDENT GOVERNMENT

The Student Government Association is the official governing body of the students at Armstrong State College. It assists in formulating a program of student services and activities, and it strives to express the will of the majority of students and provide experience in democratic living.

All students are automatically members of the Student Government Association and entitled to a vote in matters of concern to students. Qualified students may seek positions of leadership in the Student Government Association by running for office during the spring quarter.

## STUDENT PUBLICATIONS

The two official student publications on campus are the *Inkwell*, the college newspaper, and the *Geechee*, the college annual. Both publications are produced entirely by students under the supervision of qualified faculty members. Financed in part by the Student Activity Fund, these publications provide opportunities in creative writing, reporting, and design.

## HEALTH

Armstrong State College maintains a campus infirmary where a registered nurse is on duty from 8:15

a.m. until 5 p.m. Students who become ill or who are involved in accidents while on campus should not hesitate to avail themselves of this service.

The college also makes available, on a voluntary basis, a student health and accident insurance policy. The cost of the policy is \$12 for a full year. Information regarding the program may be secured in the Office of Student Affairs.

### **ALUMNI OFFICE**

The prime purpose of the Alumni Office is to keep former students informed about the college, and to help them keep in touch with each other. Any person, who at any time was matriculated as a regular student, is eligible for membership in the Alumni Association, and upon payment of his dues will receive the quarterly newsletter, "The Geechee Gazette," and may vote and hold office in the Association. The Alumni Office assists in arranging class reunions, board meetings, and other functions. For further information contact the Director of Public Information.

### **HOUSING**

Private apartments for male, female, and married students are available within walking distance of Armstrong State College. During session 1969-70, Candler General Hospital will make its dormitory which formerly housed student nurses available to any single female Armstrong students who are interested in dormitory accommodations. For further information regarding housing please contact the Office of Student Affairs.

### **ATHLETICS**

Armstrong State College participates in inter-collegiate athletic competition in basketball, baseball, and golf. Additional athletic opportunities are provided through the Intramural Program in the areas of basketball, softball, swimming, and volleyball.

### **CULTURAL OPPORTUNITIES**

Armstrong State College provides a variety of cultural opportunities for its students. Lectures by eminent scholars in the various academic fields and musical concerts by outstanding artists are an integral part of the program in general education. Student dramatic productions under professional direction and the student choral society have created distinguished traditions for these groups. The college purchases a large block of tickets for students to all concerts of the Savannah Symphony Orchestra.

# 8/DEGREE PROGRAMS

All baccalaureate degrees awarded by Armstrong State College require as a core curriculum the following minimum number of quarter hours in the major areas of study:

<i>Areas of Study</i>	<i>Minimum Quarter Hours Required</i>
I. Humanities, including, but not limited to grammar and composition and literature .....	20
II. Mathematics and the natural sciences, including but not limited to, mathematics and a 10-hour sequence of laboratory courses in the biological or physical sciences .....	20
III. Social sciences, including, but not limited to, history and American government .....	20
IV. Physical Education .....	6
Total	66

## I. BACHELOR OF ARTS AND BACHELOR OF SCIENCE

63

For graduation with the degree of Bachelor of Arts with a major in English, history or music, or Bachelor of Science with a major in biology, chemistry or mathematics the following requirements must be completed in accordance with the regulations stated in this bulletin. Requirements for each major program are described in the appropriate departmental listing.

Requirements for the degrees of Bachelor of Arts and Bachelor of Science.

### I. General Requirements in the Liberal Arts and Sciences (Core Curriculum)

	Qtr. Hrs.
1. English 101, 102, 201, 202 .....	20
2. One Foreign Language 101, 102, 103 .....	15
3. Music, Art, or Philosophy 201.....	5
4. History of Civilization 114, 115 .....	10
5. History of the United States 251 or 252 .....	5*
Political Science 113 .....	5*
6. One of the following courses: .....	5

\*If one of these history courses and this political science course are exempted by examination in order to meet the state requirement for graduation (see page 53), the ten quarter hours shall be allotted to electives.

	Economics 201	
	Psychology 101	
	Sociology 201	
7.	Mathematics: an approved sequence	10
8.	One of the following sequences of two courses	10
	Biology 101, 102	
	Chemistry 121, 122	
	Chemistry 128, 129	
	Physics 211, 212	
	Physics 217, 218	
		85
II.	Courses in the Major Field <sup>(1)</sup>	40-70
	(No student will be allowed to take senior division courses in his major field unless he has a minimum of C in all prerequisite courses in that field.)	
III.	Courses in Related Fields <sup>(2)</sup>	15-30
IV.	Physical Educational 111, 112, 113 and three 200 courses	6
V.	Free Electives <sup>(3)</sup>	15 (or
	more to complete a minimum of 185 quarter hours, exclusive of physical education)	

## II. TEACHER EDUCATION

The standard credential for teaching in the public schools of Georgia is the Teacher's Professional Four-Year Certificate (T-4). To qualify for this certificate, one must have completed an approved program designed for a specific teaching field and be recommended by the college in which the program was completed. Armstrong State College offers the following approved teacher education programs (see pages 67-73)

- Elementary Education (Grades 1- 8)
- Speech Correction
- Secondary Programs (Grades 7-12)
  - Business Education
  - English
  - Mathematics

<sup>1</sup>For its major program a department may not require more than 60 quarter hours at all levels in the major field, but it may recommend up to 70 quarter hours.

<sup>2</sup>For its major program a department will require from 15 to 30 quarter hours of specified courses or approved elective courses in related fields, and language courses reaching the degree of proficiency specified by the department. (If course is counted as fulfilling the General Requirements, it will not also fulfill the requirement for "III Courses in Related Fields.") Total requirements for II and III may not exceed 85 quarter hours.

<sup>3</sup>For the B.A. and B.S. degrees a minimum of 185 quarter hours, exclusive of physical education, is required for graduation.



Science (Biology)  
Science (Chemistry)  
Social Science (History)

All students completing teacher education programs are required to take both the Common Examinations and the appropriate Teaching Area Examination of the National Teacher Examinations. Students must submit the scores from these examinations or evidence that the examinations have been completed to the Department of Education before they can be recommended for a teaching certificate. Additional information about the National Teacher Examinations can be secured from the Office of the Dean of Student Affairs.

### ACADEMIC ADVISEMENT

A student who desires to become an elementary or secondary school teacher should apply during the first quarter of residence to the Department of Education for academic advisement. He should follow without deviation the approved program designed for his preparation and for meeting the requirements for the certificate to teach. Upon admission to teacher education, students will be assigned advisors as follows:

- (1) Elementary education majors are assigned an advisor in the Department of Education who will assist the student in planning the total program of studies.
- (2) Students pursuing secondary teaching programs will be assigned an advisor in the Department of Education to advise the student concerning the professional sequence courses and an advisor in the teaching field major to approve the courses of the teaching field. Assignment of the teaching field advisor will be made by the head of the academic department offering the major.

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### ADMISSION TO TEACHER EDUCATION

All students pursuing a degree program leading toward certification by the Georgia State Department of Education as a teacher must apply for admission to teacher education at Armstrong State College. This application will normally take place during the third quarter of the sophomore year or, for transfer students, in the first quarter of the junior year. Application forms may be secured from the office of the Head of the Department of Education. The following criteria are used in admitting applicants to teacher education:

- (1) Completion of at least 75 quarter hours of college credit with a "C" average and completion of Education 203 with a "C" or better.
- (2) Competence in oral and written expression.
- (3) Satisfactory physical and emotional health.
- (4) Indication of desirable attitude, character, and teaching potential.

## STUDENT TEACHING

Student Teaching, the culminating activity of the professional sequence, is provided in selected off-campus public school centers. The full quarter of student teaching is arranged cooperatively by the college, the participating schools, and supervising teachers. Completed applications for admission to student teaching must be submitted to the Director of Professional Laboratory Experiences during the first week of the quarter preceding student teaching. When student teaching, the student is required to adhere to established policies and procedures of the cooperating school system in addition to those policies and procedures established by the college.

A student is admitted to student teaching at the time assignment is made. While student preferences and other personal circumstances are considered, the Department of Education reserves the right to exercise its discretion in placement. The student will receive a letter of assignment. Orientation to student teaching will be held during the first several days of the quarter in which student teaching is scheduled. The following requirements must be met before a student can enroll in student teaching:

- (1) Be admitted to the Teacher Education Program.
- (2) Have at least senior status.
- (3) Have completed the required professional sequence course with a grade of "C" or higher. Elementary majors must make a grade of "C" or higher on all specialized content courses.
- (4) Have a "C" average at Armstrong State College on all courses attempted, and a "C" or higher on all courses acceptable toward the teaching field or concentration.
- (5) Have satisfactorily completed the related professional laboratory experiences including the "September Practicum."
- (6) Be recommended by two (2) academic professors and two (2) members of the Department of Education.
- (7) Be approved by the Head of the Department of Education.
- (8) A student will not be permitted to take additional courses during student teaching or to hold any form of employment.
- (9) Student teachers are not permitted to teach in a school in which their children are enrolled.

## SEPTEMBER PRACTICUM:

The purposes of the September Practicum are to provide an opportunity for future teachers to (1) learn what teachers do at the beginning of a new school term; (2) participate in experiences that will assist the prospective teacher with further decisions concerning teaching as a career; and (3) become acquainted with the organization and curriculum of a particular school.

The September Practicum occurs during the first two weeks of the public school term (usually in late August and early September)

d should be scheduled during the student's junior or senior year. credit is given for the September Practicum, but it is a *requirement* in all of the teaching fields in the Armstrong State College Teacher Education Program.

Application for the September Practicum should be made during the first week of the Spring Quarter for a September Practicum in the forthcoming September. The student should contact the Director of Professional Laboratory Experiences in the Department of Education.

## Bachelor of Science in Education Speech Correction

(See Head of the Department of Education for information about this degree.)

### Bachelor of Science in Elementary Education

<b>I. General Requirements: 91 Quarter Hours</b>	
<b>1. Humanities: 30 quarter hours</b>	
Art 200, Music 200 or Philosophy 201.....	5
English 101, 102, 201, 202 .....	20
Speech 228 .....	5
<b>2. Social Sciences: 35 quarter hours</b>	
Geography 111 .....	5
History 114, 115, 251*, 252* .....	20
Political Science 113* .....	5
Psychology 101 .....	5
<b>3. Science: 25 quarter hours</b>	
Biology 101, 102 .....	10
Chemistry 121, 122 or Physics 211, 212 .....	10
Mathematics 105 .....	5
<b>4. Physical Education: 6 quarter hours</b>	
Physical Education 111, 112, 113, 204.....	4
Two 200 courses .....	2
<b>II. Electives: 25 quarter hours</b>	
<b>1. Approved electives to establish added proficiency in one area to be known as concentration chosen to correspond to the elementary curriculum: art, English, mathematics, modern foreign languages, music, sciences, or social sciences .....</b>	
	<b>20</b>
<b>2. Approved elective in related field .....</b>	
	<b>5</b>
<b>II. Specialized Content Courses: 30 quarter hours</b>	
Art 320 .....	5
Education 425 .....	5
English 331 .....	5

One of these history courses and this political science course are exempted from examination in order to meet the state requirement for graduation (see page 53), the ten quarter hours shall be allotted to electives.

Mathematics 452 .....	5
Music 320 .....	5
Physical Education 320 .....	5
IV. Professional Sequence Courses: 40 quarter hours	
Psychology 301 .....	5
Education 203; 301, 435, 436, 446, 447, 448 .....	35
Total .....	191

## PROGRAM FOR SECONDARY SCHOOL TEACHER OF BUSINESS EDUCATION

### I. General Requirements in the Liberal Arts and Sciences

	Qtr. Hrs
1. English 101, 102, 201, 202 .....	20
2. Music 200, Art 200, or Philosophy 201 .....	5
3. History of Western Civilization 114, 115 .....	10
4. Principles of Economics (Ec. 201, 202) .....	10
5. American Government (Pol. Sc. 113)* .....	5
6. Mathematics 100, 135, 211 .....	15
7. One of the following requirements of two courses: .....	10
Biology 101, 102 .....	
Chemistry 121, 122 .....	
Chemistry 128, 129 .....	
Physics 211, 212 .....	
Physics 217, 218 .....	
8. Psychology 101 plus four of the following courses .....	25
Economics 326 .....	
History 251* or 252* .....	
Psychology 305 .....	
Sociology 201 .....	
Speech 228 .....	

### II. Courses in Business Education

104 Beginning Typing .....	2
105 Intermediate Typing .....	2
106 Advanced Typing .....	2
111 Shorthand, Beginning .....	3
112 Shorthand, Beginning .....	3
113 Shorthand, Intermediate .....	3
211 Advanced Dictation or other .....	5
213 Office Practices .....	5
315 Business Communications .....	5

\*If one of these history courses and this political science course are exempt by examination in order to meet the state requirement for graduation (page 53), the ten quarter hours shall be allotted to electives.

III. Courses in Business Administration	25
B.A. 211, 212	10
Select three of the following courses	15
1. B.A. 307, Business Law I	
2. B.A. 340, Principles of Marketing	
3. B.A. 375, Personnel Administration	
4. B.A. 360 Principals of Management	
5. Ec. 327, Money and Banking	
6. Ec. 331, Labor and Industrial Relations	
7. Ec. 335, Public Finance	
IV. Physical Education 111, 112, 113, 204, and two 200 courses	6
V. Professional Sequence	30
Education 203 - Orientation to Teaching	5
Psychology 301 - Educational Psychology	5
Education 438 - Secondary School Curriculum and Methods, Business Education	5
Education 446, 447, 448 - Student Teaching	15
	191

## PROGRAM FOR SECONDARY SCHOOL TEACHERS OF ENGLISH

69

### I. General Requirements in the Liberal Arts and Sciences

	Qtr. Hrs.
1. English 101, 102, 201, 202	20
2. One Foreign Language	20
3. Art 200 or Music 200	5
4. History of Western Civilization 114, 115	10
5. History of the United States 251* or 252*	5
6. Psychology 101 and Political Science 113*	10
7. Freshman Mathematics	10
8. One of the following requirements of two courses:	10
Biology 101, 102	Physics 211, 212
Chemistry 121, 122	Physics 217, 218
Chemistry 128, 129	

### II. Courses in Major Field

Students must complete the requirements for a major in English including English 325 and 410. Five hours of the Related Fields must be Speech 228 or Speech 341.

If one of these history courses and this political science course are exempted by examination in order to meet the state requirement for graduation (see page 53), the ten quarter hours shall be allotted to electives.

III. Related Fields (Select four courses) ..... 2

- Education 425
- Fine Arts  
(200 and above)
- Foreign Language  
(200 and above)
- History 252 or 251
- History 341
- History 348
- History 350
- History 354
- Philosophy 201
- Speech 228
- Speech 341
- Speech 345

IV. Physical Education 111, 112, 113, 204, and two 200 courses ..... 6

V. Professional Sequence ..... 30

- Education 203 - Orientation to Teaching ..... 5
- Psychology 301 - Educational Psychology ..... 5
- Education 439 - Secondary School Curriculum  
and Methods, English ..... 5
- Education 446, 447, 448 - Student Teaching ..... 15

Total 191

70

## PROGRAM FOR SECONDARY SCHOOL TEACHERS OF MATHEMATICS

I. General Requirements in the Liberal Arts and Sciences

- |   | Qtr. Hrs. |
|---|-----------|
| 1. English 101, 102, 201, 202 .....                           | 20        |
| 2. One Foreign Language .....                                 | 15        |
| 3. Art 200, Music 200 or Philosophy 201.....                  | 5         |
| 4. History of Western Civilization 114, 115                   | 10        |
| 5. History of the United States 251* or 252*                  | 5         |
| 6. Psychology 101 and one of the following                    |           |
| Biology 101, 102  |           |
| Economics 201   |           |
| Political Science 113*  |           |
| Sociology 201   |           |
| 7. Freshman Mathematics (unless waived)                       | 5-10      |
| 8. One of the following requirements of two<br>courses: ..... | 10        |
| Biology 101, 102  |           |
| Chemistry 121, 122  |           |

\*If one of these history courses and this political science course are exempted by examination in order to meet the state requirement for graduation (see page 53), the ten quarter hours shall be allotted to electives.

Chemistry 128, 129  
 Physics 211, 212  
 Physics 217, 218

II. Additional Courses in Major Field (Mathematics)	50
Students must complete the 50-quarter-hour requirements for a major in mathematics. These must include Mathematics 104, 201, 202, 203, 305, 311-312, and (331-332) or (401-402).	
III. Related Fields (beyond the core curriculum requirements)	15
to include Mathematics 400 — (Math. Curriculum & Methods (5-0-5))	
IV. Physical Education 111, 112, 113, 204, and two 200 courses	6
V. Professional Sequence	30
Education 203 - Orientation to Teaching	5
Psychology 301 - Educational Psychology	5
Education 437 - Secondary School Curriculum and Methods, General	5
Education 446, 447, 448 - Student Teaching	15
Total	191

## PROGRAM FOR SECONDARY TEACHERS OF SCIENCE WITH MAJOR IN BIOLOGY

I. General Requirements in the Liberal Arts and Sciences	Qtr. Hrs.
1. English 101, 102, 201, 202	20
2. One Foreign Language	15
3. Art 200, Music 200 or Philosophy 201	5
4. History of Western Civilization 114, 115	10
5. History of the United States 251* or 252*	5
6. Psychology 101 and one of the following courses:	10
Economics 201	
Political Science 113*	
Sociology 201	
7. Freshman Mathematics (100-135) or (101-102)	10
8. The following courses:	15
Biology 101, 102	
Botany 203 or Zoology 204	
II. Courses in Biology (Junior-Senior level)	40
Students must complete the requirements for a major in Biology including Biology 370, 380; Botany 380 or Zoology 390	
III. Courses in other Sciences	35
Chemistry 128, 129, 341, 342, 343	
Physics 211, 212	

\* If one of these history courses and this political science course are exempted by examination in order to meet the state requirement for graduation (see page 53), the ten quarter hours shall be allotted to electives.

IV. Physical Education 111, 112, 113, 204, two 200 courses.....

V. Professional Sequence .....

Education 203 - Orientation to Teaching..... 5

Psychology 301 - Educational Psychology..... 5

Education 437 - Secondary School Curriculum  
and Methods, General ..... 5

Education 446, 447, 448 - Student Teaching ..... 15

Total 20

## PROGRAM FOR SECONDARY SCHOOL TEACHERS OF SCIENCE WITH MAJOR IN CHEMISTRY

I. General Requirements in the Liberal Arts and Sciences

Qtr. Hrs.

1. English 101, 102, 201, 202 ..... 20

2. One Foreign Language ..... 15

3. Art 200, Music 200 or Philosophy 201 ..... 5

4. History of Western Civilization 114, 115 ..... 10

5. History of the United States 251\* or 252\* ..... 5

6. Psychology 101 and one of the following  
courses ..... 10

Economics 201

Political Science 113\*

Sociology 201

7. Freshman Mathematics and Math. 104 ..... 15

8. Chemistry 128-129 ..... 10

II. Courses in Chemistry ..... 50

Chemistry 281, 282 ..... 10

Chemistry 341, 342, 343 ..... 15

Chemistry 491, 492, 493 ..... 12

Chemistry 480 ..... 5

Electives in Chemistry ..... 8

III. Courses in Other Sciences ..... 25

Physics ..... 15

Biology 101, 102 ..... 10

IV. Physical Education 111, 112, 113, 204, and two 200  
courses ..... 6

V. Professional Sequence ..... 30

Education 203 - Orientation to Teaching..... 5

Psychology 301 - Educational Psychology..... 5

Education 437 - Secondary School Curriculum  
and Methods, General..... 5

Education 446, 447, 448 - Student Teaching..... 15

Total 201

\*If one of these history courses and this political science course are exempted by examination in order to meet the state requirement for graduation (see page 53), the ten quarter hours shall be allotted to electives.



# PROGRAM FOR SECONDARY SCHOOL TEACHERS OF SOCIAL SCIENCE

## I. General Requirements in the Liberal Arts and Sciences

	Qtr. Hrs.
1. English 101, 102, 201, 202 .....	20
2. One Foreign Language .....	15
3. Art 200, Music 200, or Philosophy 201 .....	5
4. History of Western Civilization 114, 115 .....	10
5. History of the United States 251* or 252* .....	5
6. Political Science 113*, Sociology 201 .....	10
7. Freshman Mathematics (100-135) or (101-102) 10 .....	10
8. One of the following sequences of two courses: .....	10
Biology 101, 102	
Chemistry 128, 129	
Chemistry 121, 122	
Physics 211, 212	
Physics 217, 218	

II. Courses in History .....	40
Students must complete the requirements for a major in History including History 251 or 252.	

III. Courses in other Social Sciences .....	30
1. Political Science (from 300, 301, 302, and 319) 10 .....	10
2. Economics 201, 202 .....	10
3. Geography 111 or Anthropology 201 .....	5
4. Psychology 101 .....	5

IV. Physical Education 111, 112, 113, 204, and two 200 courses .....	6
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V. Professional Sequence .....	30
Education 203 - Orientation to Teaching .....	5
Psychology 301 - Educational Psychology .....	5
Education 440 - Secondary School Curriculum and Methods, Social Science .....	5
Education 446, 447, 448 - Student Teaching .....	15

Total	191
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## II. BACHELOR OF BUSINESS ADMINISTRATION

For graduation with the degree of Bachelor of Business Administration with a major in accounting, economics or management-marketing, the following requirements must be completed in accordance with the regulations stated in this bulletin. For major concentrations, see requirements described under Department of Business Administration.

If one of these history courses and this political science course are exempted by examination in order to meet the state requirement for graduation (see page 53), the ten quarter hours shall be allotted to electives.

For graduation with the degree of Bachelor of Business Administration, the minimum requirements in the various fields of study will be:

I. Humanities		
A.	English 101, 102, 201, 202 .....	20
B.	Music, Art, or Philosophy 201.....	5
		25
II. Social Sciences		
A.	History of Civilization 114, 115 .....	10
B.	Principles of Economics 201, 202 .....	10
C.	Political Science 113 (or elective if Political Science 113 is exempted by examination) .....	5
		25
III. Mathematics and Natural Science		
A.	Mathematics 100, 135, 211 .....	15
B.	Laboratory Science (Sequence) .....	10
		25
IV. Business Administration		
A.	Introductory Accounting 211, 212 .....	10
B.	Business Administration 200 or 205 .....	5
		15
TOTAL FRESHMAN AND SOPHOMORE (other than Physical Education) .....		90
V. Approved electives from the Humanities, the Social Sciences, Natural Sciences or Mathematics. History 251 or 252 must be included (unless exempted by examination) and Speech 228 is recommended. At least 15 quarter hours must be in courses numbered 200 or above. Not more than 10 quarter hours may be in Business Administration courses.		
VI. Business Core Requirements .....		35
	(Economics majors—see note on opposite page)	
	B.A. 307, Business Law	
	B.A. 320, Business Finance	
	Economics 311, Quantitative Methods	
	Economics 327, Money and Banking	
	and three selected from the following:	
	B.A. 340, Principles of Marketing	
	B.A. 360, Principles of Management	
	Economics 331, Labor and Industrial Relations	
	Economics 335, Public Finance	
	Economics 405, Government and Business	

Note: Economics majors may select any approved combination from the business core and the major concentration courses.

VII. Major Concentration .....	30
(See Departmental requirements)	
VIII. Physical Education .....	6
<hr/>	
Total Requirements	191

## BACHELOR OF BUSINESS ADMINISTRATION (MAJOR IN BUSINESS EDUCATION)

See listing of requirements under TEACHER EDUCATION  
ONE AND TWO YEAR PROGRAMS IN COMMERCE

### COMMERCE-SECRETARIAL

This program is designed to meet the needs of those students who wish to qualify for secretarial positions in business after two years of study. Students enroll in the Associate in Arts program (listed elsewhere in this bulletin), devoting the permitted 30 hours of elective credits to business and commerce subjects as necessary. The Associate in Arts degree is awarded upon completion of the program.

### COMMERCE-STENOGRAPHIC

A student who has only one year to spend in college may acquire some of the fundamental clerical skills needed for employment as a stenographer or clerk-typist. Whether or not a student will be placed in beginning theory classes of shorthand or typing will depend upon previous training in those subjects; a more advanced standing may be approved by the instructor. A certificate is awarded upon completion of the following program.

Commerce 104, 105, 106 .....	6
Commerce 111, 112, 113 .....	6
Commerce 213 .....	5
Business Administration 211 .....	5
Business Administration 315 .....	5
English 101, 102 .....	10
Physical Education 111, 112, 113 .....	3
*Elective .....	5
<hr/>	
Total Hours	48

## IV. BACHELOR OF SCIENCE IN MEDICAL TECHNOLOGY

1. English 101-102, 201-202 .....	20
2. History of the U. S. ....	5
3. History 114-115 .....	10

\*Recommended electives include Mathematics 105, Speech 228.

4. Mathematics 101-102 or 100-135 .....	10
5. Foreign Languages (15 qtr. hrs. or 10 qtr. hrs. plus elective) .....	10-15
6. Psychology 101, Sociology 201 .....	10
7. Physics 211, 212 .....	10
8. Chemistry 128-129, 281-282, 341-342 .....	30
9. Biology 101, 102.....	20
Zoology 204	
Zoology 356	
10. Biology 351 .....	5
One course from the following:	
Entomolgy 301 .....	5
Zoology 357	
Zoology 390	
Physical Education .....	6
Elective .....	10
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After satisfactorily completing the required number of courses and hours listed above, the degree candidate must complete 12 months in Clinical Medical Technology at an approved hospital. With the completion of this work and satisfactorily passing the examination given by the Registry of Medical Technologists, the student will be awarded the degree of Bachelor of Science.

Armstrong State College cooperates with Memorial Hospital of Chatham County in giving a B.S. degree with a major in Medical Technology. This program has been approved by the Council on Medical Education of the American Medical Association and by the Board of Schools of Medical Technology of the American Society of Clinical Pathologists.

The Coordinator of this degree program is Dr. L. B. Davenport, Jr., Head of the Department of Biology.

## V. ASSOCIATE IN ARTS IN NURSING

For the two-year (seven quarters) program of Associate in Arts in Nursing, the student must complete the curriculum of 55 quarter hours in academic courses and 54 quarter hours of professional clinical courses as listed under the Department of Nursing.

This program provides the student with the opportunity to obtain a general education and to study nursing at the college level. Graduates are eligible to take the State Examination for licensure to practice as registered nurses.

The curriculum is approved by the Georgia State Board of Nursing Examiners and is fully accredited by the National League for Nursing.

## **VI. DENTAL HYGIENE**

### **ASSOCIATE IN SCIENCE DEGREE IN DENTAL HYGIENE**

For the two-year (seven quarters) program for the Associate in Science Degree in Dental Hygiene the student must complete a curriculum of 55 quarter hours in academic courses and 53 quarter hours in professional dental hygiene courses. The purpose of this course of study is to meet the increasing need for young women educated in this rapidly growing and important health profession. Dental hygienists are in demand to provide dental health services in private dental offices, civil service positions, industry, and various public health fields. They practice under the supervision of a dentist and must pass a state board examination for licensure.

### **BACHELOR OF SCIENCE DEGREE IN DENTAL HYGIENE EDUCATION**

A Bachelor of Science Degree in Dental Hygiene Education can be earned by an additional two years (six quarters) of study. This curriculum of 90 quarter hours is designed to prepare dental hygienists for careers in teaching in schools of dental hygiene.

## **VII. ASSOCIATE IN ARTS IN POLICE ADMINISTRATION**

Armstrong State College provides professional education to prepare students for careers in many areas in the administration of criminal justice. The program is offered in cooperation with selected public and private agencies to promote service and research. Since the police are charged with the responsibility of crime prevention, protection of life and property and assuring the functions of a democratic free society it is imperative that students going into law enforcement be prepared to meet these obligations.

A strong liberal arts emphasis has been developed in the program enabling the student to meet new and demanding requirements of policing needs. A list of courses comprising the curriculum has been included elsewhere in this bulletin giving the student information on the suggested sequence.

Specific courses in police administration are open to all students as electives. Students who plan to follow careers in social work, law, journalism, or special education may find police administration interesting and useful. Non-majors should consult with their faculty advisor before election of these courses.

For those students seeking a baccalaureate degree, provisions have been made at Armstrong State College for transfer of the police administration credits into the political science curriculum without loss of credit. Students who plan to graduate with a degree in political science should be in contact with the Head of that department soon after entering college.

## VIII. ASSOCIATE IN ARTS

For the two-year degree of Associate in Arts a student must complete the last 45 quarter hours of course work in this program at Armstrong State College. The program is designed to provide a substantial liberal education as a base for upper-division specialization.

	Qtr. Hrs.
1. English 101, 102, 201, 202 .....	20
2. History 114, 115 .....	10
3. One of the following sequences of two courses: 10	
Biology 101, 102	
Chemistry 111, 112	
Chemistry 121, 122	
Physics 211, 212	
Physics 217, 218	
4. Mathematics 100 or 105 .....	5
5. Two of the following courses: .....	10
Economics 201	
Political Science 113*	
Psychology 101	
Sociology 201	
U.S. History 251* or 252*	
6. One of the following courses: .....	5
Music	
Art	
Philosophy 201	
7. Physical Education 111, 112, 113	
and three 200 courses .....	6
8. Electives** .....	30
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### COMPLETE LIST OF MAJOR PROGRAMS OF FOUR YEAR AND TWO YEAR DEGREES

1. Bachelor of Arts with a major in English.
2. Bachelor of Arts with a major in English and requirements for secondary certification.
3. Bachelor of Arts with a major in History.
4. Bachelor of Arts with a major in History and requirements for a secondary certification.
5. Bachelor of Arts with major in Political Science.
6. Bachelor of Arts with major in Psychology.

\*If one of these history courses and this political science course are exempted by examination in order to meet the state requirement for graduation (see page 53), the ten quarter hours shall be allotted to electives.

\*\*If a student plans to continue work in the future toward a Bachelor's degree, he should select courses that will meet the listed requirements of a Bachelor degree program.

7. Bachelor of Arts with a major in Music.
8. Bachelor of Arts with a major in Music and requirements for secondary certification.
9. Bachelor of Science with a major in Biology.
10. Bachelor of Science with a major in Biology and requirements for secondary certification.
11. Bachelor of Science with a major in Chemistry.
12. Bachelor of Science with a major in Chemistry and requirements for secondary certification.
13. Bachelor of Science with a major in Mathematics.
14. Bachelor of Science with a major in Mathematics and requirements for secondary certification.
15. Bachelor of Science in Elementary Education.
16. Bachelor of Business Administration with a major in Accounting.
17. Bachelor of Business Administration with a major in Economics.
18. Bachelor of Business Administration with a major in Management—Marketing.
19. Bachelor of Business Administration with a major in Business Education.
20. Bachelor of Science in Medical Technology.
21. Associate in Arts.
22. Associate in Arts in Nursing.
23. Associate in Science in Dental Hygiene.
24. Bachelor of Science in Dental Hygiene Education.
25. Associate in Arts in Police Administration.
26. Bachelor of Science in Education with a major in Speech Correction.



# 9/DEPARTMENTAL COURSE OFFERINGS and REQUIREMENTS FOR MAJORS

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Armstrong State College reserves the right to (1) withdraw any course for which less than ten students register, (2) limit the enrollment in any course or class section, (3) fix the time of meeting of all classes and sections, and (4) offer such additional courses as demand and faculty warrant.

No credit will be given in beginning courses in languages where the same or similar courses have been presented for admission from high school.

Where two or more courses are listed under one description no credit for graduation will be given until the sequence is completed, for example: French 101-102-103

After each course name, there are three numbers in parenthesis. The first number listed is the number of hours of lecture; the second, the number of hours of laboratory; and the third, the number of quarter hours of credit the course carries. For example: Biology 101 - General Biology (4-3-5).

Courses numbered 100 to 199 are generally planned for the freshman level; courses numbered 200 to 299 for the sophomore level; courses numbered 300 to 399 for the junior level; courses numbered 400-499 for the senior level.

## DEPARTMENT OF ALLIED HEALTH SERVICES

### NURSING

Assoc. Professor Doris Bates, R.N., Director; Rose Marie Blase, R.N., Asst. Director.

Instructors: Ann Mayer, R.N.; Christine Hamilton, R.N.; Nancy Duffy, R.N.; Carol Sutton, R.N.

The Associate in Arts Degree Program in Nursing provides the student with the opportunity to obtain a general education and to study nursing at the college level. Graduates are eligible to take the State Examination for licensure to practice as registered nurses.

The nursing educational program is developed by processing from simple to complex situations in nursing which evolve from basic concepts fundamental to the total needs of the individual.

Student nurses participate in nursing laboratory experiences at Memorial Medical Center, Candler General Hospital Complex, and other community agencies. Students are assigned to the clinical area and are responsible for providing their own transportation. Continuation in the program second quarter is dependent upon maintaining a 2.0 average first quarter.

Students who enroll in this program have opportunities for personal, intellectual, and socio-ethical development, as well as having the personal satisfaction of becoming a member of a professional group which has unlimited opportunities after graduation.

FRESHMAN COURSE		SOPHOMORE COURSE	
	Qtr. Hrs.		Qtr. Hrs.
English 101	5	Political Science 113*	5
Chemistry 105	5	Nursing 201	8
Nursing 101	6	History 251* or 252*	5
Psychology 101	5	Nursing 202	8
Anatomy & Physiology 10N	5	P.E. 208	1
Nursing 102	6	Humanities Elective	5
Psychology 301 or 305	5	Nursing 203	10
Nursing 103	8	P.E. 113	1
Nutrition 105	5	P.E. 204	1
Microbiology 201	5	Sociology 201	5
Nursing 104	8		

### *Course Offerings — Freshman*

**NURSING 101**—Fundamentals of Nursing I.

**NURSING 101L**—Selected Laboratory Experiences. (5-3-6)

The underlying philosophy of this introductory course is that the logical approach to the care of the sick is through a developmental path based on a patient's typical day. Sound principles of professional ethics and the historical development of the nursing profession are correlated. Students are given opportunity to develop beginning nursing skills, to understand and apply basic principles, and to identify nursing care needs of individual patients. Clinical experience in community hospitals is given under supervision.

**NURSING 102** — and Selected Laboratory Experiences —  
Fundamentals of Nursing II (4-6-6)

**Prerequisite:** Nursing 101

This course is a continuation of Fundamentals of Nursing. The students develop more complicated nursing skills and an awareness of the inter-relatedness of medical-surgical nursing problems, and the sociological, physiological, and psychological needs of the patients. The problem-solving technique is introduced. Selected Nursing Practice is provided in applying the principles of comprehensive nursing care to patients in the hospital.

**NURSING 103 and 104**—and Selected Laboratory Experiences—  
Nursing in Maternal and Child Health  
Nursing I and II (5-9-8), (5-9-8)

**Prerequisite:** Nursing 102

In the Maternal and Child Health Nursing sequence the framework of knowledge, needed for the study of the nursing needs of the individual and family which will be developed throughout the curriculum, is established. The course is designed to assist the student in the application of appropriate nursing principles, beginning with conception, the prenatal period, labor and delivery, the care and development of the newborn, the infant and child, and the effect of illness during the growing years from birth to adolescence.

\*If one of these history courses and this political science course are exempted by examination in order to meet the state requirement for graduation (see page 53), the ten quarter hours shall be allotted to electives.

Laboratory experience is planned selectively and utilizes agencies and facilities concerned with mothers, babies, children and their families.  
**NUTRITION 105** — Fundamentals of Nutrition (5-0-5)  
 A survey of the fundamentals of nutrition and the factors influencing the ability of the individual and family to secure and maintain optimal nutritional status.

*Course Offerings — Sophomore*

**NURSING 201 and 202**—and Selected Laboratory Experiences—  
 Nursing in Physical and Mental  
 Illness I and II (5-9-8), (5-9-8)

Prerequisite: Nursing 103 and 104

The physical and mental illness sequence is an integrated study of the typical emotional and physical problems interrupting the human life cycle from adolescence, through middle age, to senescence and death.

Laboratory experiences in community agencies and hospital facilities are provided each student to reinforce theoretical learning.

**NURSING 203**—and Selected Laboratory Experiences—  
 Advanced Nursing Problems (5-15-10)

Prerequisite: Nursing 202

This course is a continuation of Nursing 201 and 202. Content is correlated to strengthen knowledge and skills needed by the present day beginning nurse in giving physical care and psychological support to patients. Also current trends in nursing are explored, as well as responsibilities both legal and professional. Laboratory experiences are designed to enhance breadth and depth of knowledge in selected clinical areas.

**ASSOCIATE IN SCIENCE IN DENTAL HYGIENE**

Associate Professor, Doris Bates, R.D.H., Director;

Robert I. Phillips, D.D.S., Supervising Dentist

Instructors: Betty C. Dallas, R.D.H. and Sally Blitch, R.D.H.

**DENTAL HYGIENE**

**GENERAL EDUCATION**

**EDUCATION**

	Cr.		Cr.
Anatomy and Physiology		Dental Hygiene 101 and 102	5 - 3
10N	5	Dental Hygiene 103	2
Nutrition 105	5	Dental Hygiene 104 and 105	3 - 4
Psychology 101	5	Dental Hygiene 106	2
English 101	5	Dental Hygiene 201	3
Sociology 201	5	Dental Hygiene 202 and 203	6 - 6
Chemistry 105	5	Dental Hygiene 204	6
*Political Science 113	5	Dental Hygiene 205	2
Microbiology 210	5	Dental Hygiene 206	3
Health 107	5	Dental Hygiene 207	2
Speech 228	5	Dental Hygiene 208	3
*History 251 or 252	5	Dental Hygiene 209	3

55

40 + 13 = 53

\*If one of these history courses and this political science course are exempted by examination in order to meet the state requirement for graduation (see page 53), the ten quarter hours shall be allotted to electives.

## BACHELOR OF SCIENCE IN DENTAL HYGIENE EDUCATION

(In addition to courses listed for Associate in Science in Dental Hygiene Degree the following courses must be completed.)

English 102	5	Dental Hygiene 401	5
Math 105		Dental Hygiene 402	5
Math 106, 107, 108, or 109	5	Dental Hygiene 403	5
History 114	5	Dental Hygiene 404	5
History 115	5		—
Philosophy 201	5		20
Education 301	5		
Education 303	5		
Psychology 301	5		
Psychology 305	5		
Education 437	5		
	—		
	55		
Electives	15		
	—		
	70		

### *Course Offerings*

**DENTAL HYGIENE 101 and 102—Dental Anatomy and Oral Histology I and II (4-2-5), (1-4-3)**

A development study of the embryonic growth of the oral cavity, the primary tissues and histology of the teeth, the calcification, eruption, anatomy, and function of the human dentition and supporting structures.

For Dental Hygiene students only.

Laboratory—Identification, sketching, cross sectioning and carving of individual teeth. Correlated with lectures. For Dental Hygiene students only.

**DENTAL HYGIENE 103—Orientation to Fields of Dentistry and Dental Hygiene (2-0-2)**

The historical background of the dental hygiene movement, and an introduction to the profession of dentistry, its fields of specialization and the role of the dental hygienist, with respect to them as a member of the dental health team.

**DENTAL HYGIENE 104 - 105—Clinical Dental Hygiene I and II (1-4-3), (2-4-4)**

Lectures and demonstrations in the technique of removing stains and deposits from the exposed surfaces of the teeth. Work is introduced by practice on manikins. After the student has mastered the technique she receives clinical experience in oral prophylaxes on children and adults, mouth inspection and charting in the dental hygiene clinic.

**DENTAL HYGIENE 106—Pharmacology and Anesthesiology (2-0-2)**

The study of drugs and anesthetics with special consideration given to those used in the dental office. This study is to acquaint the stu-

dent with the origin of these drugs and anesthetics, their physical and chemical properties, modes of administration and effects upon the body systems.

**NUTRITION 105—Fundamentals of Nutrition (5-0-5)**

A survey of the fundamentals of nutrition and the factors influencing the ability of the individual and family to secure and maintain optimal nutritional status.

**HEALTH 107—Personal and Community Health (5-0-5)**

The course includes information for protection and promotion of individual and public health. Emphasis is given to personal hygiene, mental health, parenthood, disease prevention and community organizations for maintaining and improving health of self and society.

**DENTAL HYGIENE 201—General and Oral Pathology (3-0-3)**

The principles of general pathology in relationship to the diseases of the teeth, soft tissues, and supporting structures of the oral cavity. The importance of early recognition of abnormal conditions in the mouth by the hygienist is emphasized.

**DENTAL HYGIENE—202 - 203—Clinical Dental Hygiene III  
and IV (2-8-6), (2-8-6)**

Prerequisite: Dental Hygiene 104 and 105. A continuation of 104 and 105. The hygienist further learns and applies the principles of preventive dental hygiene and oral prophylaxis techniques on patients in the clinic under supervision. Conference time is used for further teaching, student evaluation, discussion of common problems and situations encountered in the clinical laboratory.

**DENTAL HYGIENE 204—Clinical Dental Hygiene V (2-8-6)**

Prerequisite: 202, 203, and 207—Co-requisite 208. The student continues to learn and apply the principles of preventive dental hygiene techniques on adult patients in the clinic under supervision. Conference time covers laws governing dental hygiene practice, professional ethics, areas of employment, office procedures, and discussion of situations encountered in clinical laboratory and externship experience.

**DENTAL HYGIENE 205—Dental Health Education (2-0-2)**

Demonstrations and practical applications of modern methods of dental health education. Teaching techniques, visual aids, materials, and opportunities for teaching are covered.

**DENTAL HYGIENE 206—Dental Roentgenology and  
X-ray Laboratory (2-4-3)**

A series of lectures and demonstrations on the applications of roentgen rays for dental diagnostic purposes. Includes the electrophysics of the apparatus, positioning of the films, angulation of the machine, and developing processes.

**DENTAL HYGIENE 207—Dental Materials and  
Assisting Procedures (1-2-2)**

Basic concepts of dental assisting, laboratory procedures, and dental materials used commonly and the role of the dental hygienist.

Field trips to local commercial dental laboratories and the local dental supply houses.

DENTAL HYGIENE 208—Externship (0-6-3)  
Supervised learning experiences in selected dental offices and field trips to local community dental agencies and specialized dental offices in order to amplify formal teaching.

DENTAL HYGIENE 209—Dental Public Health and Preventive Dentistry (3-0-3)  
A comprehensive overview of health programs with reference to the needs of the community. Particular attention is given to methods of prevention and control of dental disease, the promotion of dental health and opportunities for participation by the dental hygienist.

DENTAL HYGIENE 401—Practicum in Dental Hygiene Education I (1-8-5)  
An introductory field experience in the college dental hygiene clinic, with emphasis on observation, individual and small group teaching and teacher aide work. The first professional course for majors in Dental Hygiene Education.

DENTAL HYGIENE 402—Practicum in Dental Hygiene Education II (1-8-5)  
A continuation of Dental Hygiene 401. Problems common to beginning dental hygiene teachers, practices and procedures designed to accomplish program objectives, the establishment and organization of content, methods of clinical evaluation and supervision in the dental hygiene clinic.

DENTAL HYGIENE 403—Practicum in Dental Hygiene Education III (1-8-5)  
An advanced field experience, designed to assist the student in the development of learning activities, teaching procedures and the presentation of materials pertinent to dental hygiene education. The student will develop and teach selected units in the basic dental hygiene sequence.

DENTAL HYGIENE 404—Dental Hygiene Independent Study (5-0-5)  
Individual independent study and field work in an area of major interest with special relevance to dental hygiene and future career objectives.

## ANTHROPOLOGY

(See listing under Department of Psychology and Sociology)

## ART

## DEPARTMENT OF BIOLOGY

Professor Leslie B. Davenport, Jr., Head; Associate Professors Beltz and Thorne; Assistant Professors Brower and Pingel

### DEPARTMENTAL REQUIREMENTS FOR THE MAJOR IN BIOLOGY

The major in biology consists of Biology 101, 102, Botany 203, Zoology 204, and at least 40 quarter hours credit in biology courses (botany, zoology, etc.) numbered 300 or above. In addition, biology majors must complete the course sequence in organic chemistry (15 quarter hours). The course in General College Physics (15 quarter hours) is strongly recommended and should be considered essential for those who expect to continue the study of biology beyond the B.S. degree.

Every student acquiring a major in biology must include in his program the following courses: Biology 370; Biology 380; and Botany 380 or Zoology 390.

Beginning students who have successfully completed strong courses in biology in high school are advised to take the examinations for advanced placement which are offered with the College Entrance Examinations. Arrangements to take these may be made through the office of the Dean of Student Affairs.

### *Course Offerings*

BIOLOGY 101—Principles of Biology (4-3-5) Biological structure; the reproduction and development of organisms; the physical and chemical organization of protoplasm and cells. Prerequisite: none.

BIOLOGY 102—Principles of Biology (4-3-5). Biological function; bioenergetics of cells, cellular and organismal physiology, genetics, differentiation, behavior, ecology, and evolution. Prerequisite: Biology 101.

BIOLOGY 210—Microbiology (3-4-5). Summer. Prerequisites: 10 hours of biological science with laboratory and 5 hours of inorganic chemistry.

An introduction to the study of micro-organisms with primary emphasis on bacteria. The morphology, life history, and public health importance of representative bacteria, molds, viruses, protozoa, and helminths are considered. This course is intended primarily for nursing students.

BIOLOGY 351—Introductory Microbiology, I. (3-4-5). Fall. Prerequisites: 10 hours of biological science, Chemistry 128-129.

A survey of micro-organisms with special emphasis on bacteria and their relationships to man.

BIOLOGY 352—Introductory Microbiology, II. (3-4-5). Winter. Prerequisite: Biology 351.

A survey of the microscopic and macroscopic fungi common to the local geographic area.

**BIOLOGY 358**—Histological Technique. (0-10-5). Prerequisites: Biology 101, 102.

Principles and methods of killing, fixing, embedding, sectioning, staining, and mounting plant and animal materials for study.

**BIOLOGY 370**—Genetics (3-4-5). Winter. Prerequisites: Biology 101, 102.

An introduction to the principles of biological inheritance.

**BIOLOGY 380**—General Ecology (3-4-5). Spring. Prerequisites: Two upper division courses in biology (botany or zoology).

A survey of the principles of ecology and their application to the welfare of man, co-ordinated with a study of populations and communities in the field.

**BIOLOGY 410**—Cellular Physiology (3-4-5). Spring. Prerequisites: At least third quarter junior status; two upper division courses in biology; and organic chemistry.

A consideration of the functional relationships between microscopic anatomy and cell chemistry, emphasizing permeability, metabolism, and growth.

**BIOLOGY 440**—Cytology (2-6-5). Fall. Prerequisite: Two senior division courses in biology.

The study of cells, their cytoplasm and nuclei, growth, differentiation, and reproduction.

**BIOLOGY 450**—Evolution (3-0-3). Winter. Prerequisite: major in biology (at least 15 qtr. hrs. credit in upper division courses).

Modern concepts in organic evolution.

**BIOLOGY 490**—Problems in Biology (1-5 hours credit). Prerequisites: At least 20 hours credit in biology courses numbered 300 or above; a B average in biology courses and in overall work; consent of department head; agreement of staff member to supervise work.

Problems to be assigned and work directed by a member of the department. Supervised research including literature search, field and/or laboratory investigation, and presentation of acceptable, written report of results.

Credit will depend upon the work to be done. Both credit and proposed work must be approved in advance, in writing, by the faculty member to supervise the work and by the department head.

**BOTANY 203**—Survey of the Plant Kingdom. (3-4-5). Prerequisite: Biology 101 and 102.

Morphology and phylogeny of the divisions of the plant kingdom, with emphasis upon the evolution of the land flora.

**BOTANY 305**—Identification of Flowering Plants (0-10-5). Spring. Prerequisite: Botany 203.

Studies in the identification of plants with emphasis on local flora.

**BOTANY 323**—Plant Anatomy (0-10-5). Fall. Prerequisites: Botany 203.

The origin and development of the organs and tissue systems of



vascular plants, and a comparative study of the structure of roots, stems, leaves, flowers, and fruits.

**BOTANY 380**—Plant Physiology (3-4-5). Prerequisites: Botany 203.

A survey of physiological processes occurring in economic plants and the conditions which affect these processes.

**BOTANY 425**—Plant Morphology (3-4-5). Fall. Prerequisite: Botany 323.

Comparative studies of vascular plants with emphasis on form, structure, reproduction, and evolutionary relationships.

**ENTOMOLOGY 301**—Introductory Entomology (3-4-5). Prerequisites: Zoology 204.

An introduction to the study of insects—their structure, identification, and biology.

**ZOOLOGY 204**—Survey of the Animal Kingdom. (3-4-5). Prerequisite: Biology 101 and 102.

An evolutionary survey of the major animal phyla.

**ZOOLOGY 10N**—Human Anatomy and Physiology for Nursing and Dental Hygiene Students (4-2-5). Prerequisite: Chemistry 105. Not open to pre-professional students in the biological sciences.

A basic course considering the gross anatomy, histology, and physiology of the human organ systems.

**ZOOLOGY 325**—Advanced Invertebrate Zoology. (3-4-5). Prerequisite: Zoology 204.

A study of the structure, body functions, interrelations, and natural history of the major invertebrate groups.

**ZOOLOGY 355**—Embryology (3-4-5). Fall. Prerequisites: Zoology 204 or equivalent in another biological science.

An elementary course in embryology in which the chick is used to illustrate the basic principles of developmental anatomy.

**ZOOLOGY 356**—Comparative Anatomy of the Vertebrates (3-6-6). Winter. Prerequisite: Zoology 204.

A study of the anatomy and evolution of the organ systems of the vertebrates.

**ZOOLOGY 357**—Animal Histology (3-4-5). Prerequisites: Zoology 204.

A study of the tissues and their organization into organs and organ systems in animals.

**ZOOLOGY 372**—Parasitology (3-4-5). Spring. Prerequisites: Zoology 204.

A comparative study of the internal and external parasites of man and other animals.

**ZOOLOGY 390**—General Vertebrate Physiology (3-4-5). Prerequisites: Zoology 204 and organic chemistry.

An introduction to the general physiologic processes of the vertebrates.

ZOOLOGY 429—Endocrinology (3-4-5). Prerequisites: Zoology 390 and one other senior division course in biology.

Physiology of the endocrine glands, their control of metabolism and reproductive cycles.

ZOOLOGY 435—Comparative Physiology (3-4-5). Prerequisites: Zoology 204, and Chemistry 341, 342, and 343.

Studies in various groups of animals of the functions of organ systems involved in the maintenance of homeostasis under varying conditions within normal habitats and of *in vitro* reactions of tissues and systems under laboratory conditions.

## BOTANY

(See listing under Department of Biology)

## DEPARTMENT OF BUSINESS ADMINISTRATION

Professor Orange Hall Head; Professors Davis and Bhatia; Associate Professors Babb and Morgan; Assistant Professors DeCastro, Johns, and Vining.

Major Concentrations. (For Business Education, see listing under Teacher Education). No student will be allowed to take upper division courses unless he has a minimum grade of C in all prerequisite courses in his major field. An average of at least 2.0 in his major courses will be a requirement for graduation.

### 1. ACCOUNTING

B.A. 301, 302 Intermediate Accounting I, II, and four of the following:

B.A. 329 Cost Accounting I

B.A. 330 Cost Accounting II

B.A. 436 Income Taxation I

B.A. 437 Income Taxation II

B.A. 440 Accounting Systems

B.A. 450 Auditing Principles

B.A. 455 Advanced Accounting

### 2. ECONOMICS

Econ 401 Price and Income Theory

Econ 435 Seminar on Contemporary Economic Problems, and four of the following:

Econ 326 Economic History of the United States

Econ 335 Public Finance

Econ 345 Economic Development

Econ 350 Transportation Economics

Econ 405 Government and Business

Econ 410 International Trade

Econ 420 Comparative Economic Systems

Econ 422 Business Fluctuations, Macroeconomics

Econ 431 Investments

Econ 445 Independent Study

### 3. MANAGEMENT-MARKETING

- B.A. 465 Business Policy, and five of the following:
- B.A. 308 Business Law II
- B.A. 315 Business Communications
- B.A. 329 or B.A. 301 Cost or Intermediate Accounting I
- B.A. 375 Personnel Administration
- B.A. 411 Marketing Management
- B.A. 412 Marketing Research
- B.A. 425 Managerial Accounting
- B.A. 460 Production Planning and Control
- B.A. 462 Human Relations in Industry
- Econ. 350 Transportation Economics
- Econ. 405 Government and Business
- Psych. 320 Industrial Psychology

#### *Course Offerings*

BUSINESS ADMINISTRATION 200—Survey of Business. (5-0-5).

A first course in business for Business Administration majors or an elective for non-majors who wish to gain an understanding of the functioning of business enterprises in our capitalistic system. The course will provide a basic familiarity with: (a) the economic, social, and political environment in which business enterprises operate, and (b) the tools and managerial skills used in business decision-making in the various functional areas such as organization, management, financing, marketing, production and personnel. (Not open to upper-division business majors who have already taken 300-level work)

BUSINESS ADMINISTRATION 205—Data Processing (5-0-5).

A basic study of the principles and procedures of processing data by means of automatic data processing machines.

BUSINESS ADMINISTRATION 211—Introductory Accounting (5-0-5).

An introduction to the fundamental principles and procedures of accounting, including a study of the journal, the ledger, working papers, accounting statements, controlling accounts, special journals, partnerships and corporations.

BUSINESS ADMINISTRATION 212—Introductory Accounting I. (5-0-5). Prerequisite: Business Administration 211.

An application of accounting principles to certain problems such as departmental operations, manufacturing accounts, the analysis of financial statements, accounting aids to management, statement of application of funds.

BUSINESS ADMINISTRATION 301—Intermediate Accounting (5-0-5). Prerequisite: Business Administration 212.

Accounting theory and the solution of problems requiring an application of accounting theory.

BUSINESS ADMINISTRATION 302—Intermediate Accounting

**II. (5-0-5). Prerequisite: Business Administration 301.**

A continuation of Business Administration 301 emphasizing the theories of valuation of fixed assets and liability accounts, the application of these theories and the interpretation of financial statements prepared on the basis of these theories.

**BUSINESS ADMINISTRATION 307—Business Law I. (5-0-5).**

Law governing the basic principles applicable to the following subjects: Contracts, offer and acceptance, consideration, rights of third parties and discharge; agency, liabilities of principal and agent; negotiable instruments, elements of negotiability, endorsement and transfer, liabilities of parties.

**BUSINESS ADMINISTRATION 308—Business Law II. (5-0-5).**

The law applicable to the following subjects: partnership formation, powers and liabilities of partners; corporation, formation, powers, rights of security holders; sales, vesting of title, warrants, remedies.

**BUSINESS ADMINISTRATION 315—Business Communications. (5-0-5).**

Principles of effective business communications, application of these principles of business and technical report writing, correspondence, and other information media.

**BUSINESS ADMINISTRATION 320—Business Finance. (5-0-5).**

**Prerequisite: Business Administration 212.**

The internal and external sources of financing for business enterprises; acquisition and management of long-term and shorter-term funds; types of securities; equity and debt instruments; problems of financial management.

**BUSINESS ADMINISTRATION 329—Cost Accounting I. (5-0-5).**

**Prerequisite: Business Administration 212.**

Methods of determining and distributing costs in manufacturing, including job order and process methods.

**BUSINESS ADMINISTRATION 330 — Cost Accounting II. (5-0-5). Prerequisite: Business Administration 329.**

Standard cost procedures; budgeting; distribution costs and special cost problems.

**BUSINESS ADMINISTRATION 340 — Principles of Marketing. (5-0-5). Prerequisite: Business Administration 200 or Economics 202.**

Principles and methods involved in the movement of goods and services from producers to consumers. Subject is approached from the functional, institutional, commodity, and integrated analytical view points.

**BUSINESS ADMINISTRATION 360 — Principles of Management. (5-0-5). Prerequisite: Business Administration 200 or 212.**

The basic principles of management applicable to all forms of business and to all levels of supervision; the functions of planning, organizing, directing, and controlling as components of the management process.

**BUSINESS ADMINISTRATION 375 — Personnel Administra-**

tion. (5-0-5). Prerequisite: Business Administration 200 or Economics 201.

Personnel administration as a staff function. Employment standards, training, safety and health, employee services and industrial relations.

**BUSINESS ADMINISTRATION 411 — Marketing Management (5-0-5).** Prerequisite: Business Administration 340. Management of marketing organizations, with emphasis on planning organizing and controlling the marketing organization; internal and external communications; marketing management decision-making.

**BUSINESS ADMINISTRATION 412 — Marketing Research (5-0-5).** Prerequisite: Business Administration 340. Sampling, survey, experimental and other research techniques for determining customer preferences and market potentials. Interpretation and presentation of research findings for management decision making.

**BUSINESS ADMINISTRATION 425 — Managerial Accounting. (5-0-5).** Prerequisite: Business Administration 212. Emphasizes theory and practice of accounting from the standpoint of those who direct business operations and shape business policy.

**BUSINESS ADMINISTRATION 436 — Income Taxation I. (5-0-5).** Prerequisite: Business Administration 212. A study of federal income tax law and regulations; the income tax returns of individuals, partnerships, and corporations.

**BUSINESS ADMINISTRATION 437 — Income Taxation II. (5-0-5).** Prerequisite: Business Administration 436 or consent of instructor. A continuation of Business Administration 436 with emphasis on corporations and fiduciary returns, gift taxes, and estate taxes.

**BUSINESS ADMINISTRATION 440 — Accounting Systems. (5-0-5).** Prerequisite: Business Administration 302. The design and installation of appropriate accounting systems in accordance with the needs of the business being serviced.

**BUSINESS ADMINISTRATION 450 — Auditing Principles. (5-0-5).** Prerequisite: Business Administration 302. The principles of audits and financial verifications, standards of field work, preparation of audit working papers, writing audit reports, and auditing ethics.

**BUSINESS ADMINISTRATION 455 — Advanced Accounting. (5-0-5).** Prerequisite: B.A. 301 and 302. Selected problems in accounting. Analysis and evaluation of methods used for organizing and solving special accounting problems.

**BUSINESS ADMINISTRATION 460 — Production Planning and Control. (5-0-5).** Prerequisite: Business Administration 200 or upper-division status and consent of instructor. Appreciation of the principles of production management is developed through study of plant layout, inventory control, materials handling, production scheduling, quality control, and associated topics.

**BUSINESS ADMINISTRATION 462 — Human Relations in In-**

dustry. (5-0-5). Prerequisite: Business Administration 200 or upper division status and consent of instructor. A study of the process of integrating people into the work situation so that they are motivated to work together harmoniously, productively, and with economic, psychological and social satisfaction.

**BUSINESS ADMINISTRATION 465** — Business Policy. (5-0-5). Prerequisite: Business Administration 360 or consent of instructor. The formulation and application of business policy by top management. Emphasis is on decision-making.

## **BUSINESS EDUCATION**

**BUSINESS EDUCATION 104**—Beginning Typing (0-5-2) Fall.

This course consists of introductory instruction in the technical features and care of the machine, position, fingering, proper technique and mastery of the keyboard, continuing with speed development, and instruction in typing letters and setting up simple tabulations, term papers.

**BUSINESS EDUCATION 105**—Intermediate Typing (0-5-2). Winter. Prerequisite: Business Education 104 or equivalent.

In this course emphasis is placed on speed building and accuracy. Special typing problems such as business letters, minutes, notices, stencil cutting and carbon copies are stressed.

**BUSINESS EDUCATION 106** — Advanced Typing (0-5-2). Spring. Prerequisite: Business Education 105 or equivalent.

A course in the acquisition of speed and accuracy. Includes various legal forms and papers, manuscripts and business papers. Most of the student's work is done on a production timing basis. An average of 60 words a minute is attained.

**BUSINESS EDUCATION 111**—Beginning Shorthand (5-0-3). Fall.

Complete theory of Gregg Shorthand simplified. Reading dictation and transcription from studied material. A dictation speed of 65 words a minute is attained.

**BUSINESS EDUCATION 112**—Intermediate Shorthand (5-0-3). Winter. Prerequisite: Business Education 111 or equivalent.

Continuing development of shorthand skill. Students entering directly into this course must have a knowledge of basic brief forms and the fundamentals of beginning Gregg Shorthand.

**BUSINESS EDUCATION 113**—Advanced Shorthand (5-0-3). Spring. Prerequisite: Business Education 112.

Dictation and transcription of new and studied material. Student is required to take dictation at the rate of 100 words a minute.

**BUSINESS EDUCATION 211**—Advanced Dictation and Transcription. (5-0-3). Prerequisite: Business Education 113.

The principles of Gregg Shorthand are applied in developing skill and accuracy in writing shorthand and in transcribing. Dictating and typing of mailable letters are emphasized. A speed of 120 words a minute for five minutes is attained.

**BUSINESS EDUCATION 213**—Office Practice (5-0-5). Spring.  
Prerequisite: Business Education 112 or permission of instructor.

Typical business office situations are duplicated as nearly as possible, including use of various machines, practical problems dealing with typing, filing, and office courtesy.

## ECONOMICS

**ECONOMICS 201**—Principles of Economics I. (5-0-5).

A study of the principles underlying the economic institutions of the present time and their application to economic problems. Aggregate or macroeconomics is emphasized.

**ECONOMICS 202**—Principles of Economics II. (5-0-5).

Microeconomics, with emphasis on the theory of prices and factor shares. If a student plans to take only one economics course, Economics 201 or Economics 326 would be more suitable than Economics 202.

**ECONOMICS 311**—Quantitative Methods (5-0-5). Prerequisite: Math 211.

Applications of statistics and other quantitative techniques to decision making in business and economics.

**ECONOMICS 326** — Economic History of the United States. (5-0-5).

The growth and development of economic institutions in the United States from the colonial period to the present, with emphasis on the period since 1860, and including developments in agriculture, industry, labor, transportation, and finance.

**ECONOMICS 327**—Money and Banking. (5-0-5). Prerequisite: Economics 201.

Monetary theory, banking theory and practice, central bank controls, other financial institutions, credit flows, monetary policies to achieve desired economic effects.

**ECONOMICS 331**—Labor and Industrial Relations. (5-0-5). Prerequisite: Economics 201.

The development and structure of the labor movement in the United States; the principles of wage determination; collective bargaining; and public policy toward labor unions.

**ECONOMICS 335**—Public Finance. (5-0-5). Prerequisite: Economics 201.

The economic effects of governmental taxation, expenditures, and public debt management. The principal sources of revenue and types of expenditures at the federal, state, and local levels. The proper scope of government and issues of fairness in taxation.

**ECONOMICS 345**—Economic Development. (5-0-5). Prerequisite: Economics 201. The nature and causes of economic stagnation in developing nations of the world, urgent need for their economic development, theory of economic growth, ways of fostering development, and balanced growth and industrialization.

**ECONOMICS 350—Transportation Economics. (5-0-5).** Prerequisite: Economics 201. The economic aspects of transportation significant developments in the fields of highway transport, water transport, and air transport, and in regulatory policy concerning the transportation industry.

**ECONOMICS 401—Price and Income Theory. (5-0-5).** Prerequisite: Economics 202. Economic analysis, especially the theories of production, price determination, factor shares, income distribution and determination.

**ECONOMICS 405—Government and Business. (5-0-5).** Prerequisite: upper-division status. The effects of public policies upon business and industry, with emphasis on anti-trust, taxation, regulatory and defense policies.

**ECONOMICS 410 — International Trade. (5-0-5).** Prerequisite: Economics 202. Export-import trade, emphasizing exchange techniques, balance of trade and payments accounts, and the theory of international specialization and exchange, the relationship of international transactions to national income.

**ECONOMICS 420—Comparative Economic Systems. (5-0-5)** Prerequisite: Economics 202. Study of economic problems under different economic systems such as capitalism, socialism; and introduction to Marxian economic theory.

**ECONOMICS 422 — Business Fluctuations, Macroeconomics. (5-0-5).** Prerequisite: Economics 327 or Economics 201 and consent of instructor. Causes of business fluctuations, means of prevention or control, policy proposals to maintain full employment and price stability.

**ECONOMICS 431 — Investments. (5-0-5).** The investment risk in different investment media; selection of appropriate media in accordance with individual or institutional goals and risk-bearing capacity. Types of investments and securities.

**ECONOMICS 435—Seminar on Contemporary Economic Problems. (5-0-5).** Prerequisites: Economics 201 and 202. General problems of production, employment and income, with special reference to the specific problems faced by the American economic system.

**ECONOMICS 445—Independent Study. (5-0-5).** Mature student of economics may be permitted to undertake special independent studies in one or more aspects of economics, under the supervision and guidance of a member of the faculty. Normally, the subject matter covered will parallel a bulletin-described course which is only infrequently offered. The student will meet frequently with his advisor and will be expected to submit reports in depth on his studies. Approval of the Advisor and the Department Head will be necessary for admittance to this course.

## **DEPARTMENT OF CHEMISTRY & PHYSICS**

Professor Fretwell G. Crider, Head; Associate Professors Brewster Harris, Robbins, and Stratton; Assistant Professor Hill



## Departmental Requirements for the Major in Chemistry

Qtr. Hrs.

### I. Major Requirements

#### A. Lower Division

General Inorganic Chemistry (128, 129) 10

Analytic Chemistry (Qual. 281; Quant. 282) 10

#### B. Upper Division

Organic Chemistry (341, 342, 343) 15

Physical Chemistry (491, 492, 493) 12

Electives (13 qtr. hrs.) from the following: 13

Advanced Inorganic (421) 4 qtr. hrs.

Qualitative Organic Analysis (448) 4 qtr. hrs.

Instrumental Analysis (480) 5 qtr. hrs.

Special Problems in Chemistry

(498, 499) 1-5 qtr. hrs.

Chemistry 431, 432, 441 3 qtr. hrs. ea.

### II. Requirements in Related Fields

A. Mathematics through Calculus 5

B. Physics 15

## *Course Offerings*

### CHEMISTRY

CHEMISTRY 121, 122—General Inorganic (4-3-5). Prerequisite: Entrance Requirements. Offered each quarter.

This course is designed for the student who is pursuing a non-science college major. It includes a study of the fundamental laws and theories of chemistry emphasizing the descriptive chemistry of the elements and their relationships as shown in the Periodic Table. The course is a lecture and laboratory study with minimum reliance on mathematics.

CHEMISTRY 125—Stoichiometry (1-2-2). The application of mathematics to freshman chemistry courses. The quantitative treatment of chemical reactions will be covered in detail and in practice sessions. Students will be assigned to this course according to their college entrance test results, or upon the recommendation of the faculty.

CHEMISTRY 128, 129—General Inorganic (4-3-5). Prerequisite: Mathematics 100. Offered each quarter.

A study of the fundamental principles and laws of chemistry with a quantitative approach to the subject. This course is designed for the science major expecting detailed work in the modern concept of the atom, chemical bonding and a thorough treatment of the chemistry of particular elements, families and groups. The laboratory work includes an understanding of fundamental techniques as applied to beginning experiments and a study of properties and preparations.

CHEMISTRY 281—Qualitative Inorganic Analysis (3-6-5). Prerequisite: Chemistry 129. Spring and Fall.

Theory and adequate laboratory practice in the analysis of common cations and anions.

CHEMISTRY 282 — Quantitative Inorganic Analysis (2-9-5) Prerequisite: Chemistry 281. Winter and Summer.

The fundamental theories and practice of gravimetric and volumetric analysis with an introduction to instrumental analysis.

CHEMISTRY 311—Oceanography—Inorganic Chemistry (2-0-2) Fall. Prerequisite: Chemistry 282, or 341, or approved equivalent in physics or biology.

The minerals of the ocean and ocean floor; methods of analysis and collection; inter-relationship between the components; change that may take place; effects of the components on bio-processes.

CHEMISTRY 312—Oceanography—Physical Chemistry (2-0-2) Winter. Prerequisite: Chemistry 282, or 341, or approved equivalent in physics or biology.

The study of phases in the ocean; pH and its variations; redox potential and its variations; methods of obtaining data; solubility effects and precipitation; correlation of data with bio-processes.

CHEMISTRY 313—Oceanography—Chemical Applications (2-0-2). Spring. Prerequisite: Chemistry 282, or 341, or approved equivalent in physics or biology.

Study of the mineral potential of the ocean; description of the processes already operating; energy from the sea; ion-exchange processes; freshwater from the sea; biological concentrative effects future projections.

CHEMISTRY 341, 342, 343—Organic Chemistry (3-6-5). Prerequisite: Chemistry 129.

Three quarter course in the study of aliphatics, aromatic hydrocarbons and their derivatives. Includes the study of polyfunctional compounds, polynuclear hydrocarbons, carbohydrates, amino acids heterocyclics and related compounds. The course will emphasize organic reactions in terms of modern electronic theory.

CHEMISTRY 350—Chemical Literature (2-0-2). Prerequisite: Chemistry 342 or consent of Department Head. Spring.

A study of the use of the chemical library and the important journals, references and information sources. Course will include instruction in report writing.

CHEMISTRY 360—Biochemistry (5-0-5). Prerequisite: Chemistry 343. Spring.

A study of the chemical nature of cellular constituents and their metabolisms.

CHEMISTRY 371—Industrial Chemistry (3-0-3). Prerequisite: Consent of Department Head. Winter.

This course presents a study of inorganic chemical industries. It deals with chemical processes and modern developments in these industries. A survey of operations and economics is given.

CHEMISTRY 372—Industrial Chemistry (3-0-3). Prerequisite: Consent of Department Head. Spring.

This course covers the important organic chemical industries in the same manner as Chemistry 371.

CHEMISTRY 421—Advanced Inorganic Chemistry (3-3-4). Prerequisite: Chemistry 282. Spring.

Selected topics in inorganic chemistry tending to increase students' understanding of mechanisms of chemical reactions. Emphasizes the periodicity of elements.

CHEMISTRY 431, 432 — Seminars (3-0-3). Prerequisites: Chemistry 491, Chemistry 343, or Chemistry 421. Winter & Spring.

Selected topics for group discussion.

CHEMISTRY 441—Advanced Organic Chemistry (3-0-3). Prerequisite: Chemistry 343. Fall.

A further study of important organic reactions emphasizing theories of reaction mechanisms of organic chemistry.

CHEMISTRY 448—Organic Qualitative Analysis (2-6-4). Prerequisite: Chemistry 343. Summer.

Systematic approach to the identification of organic compounds.

CHEMISTRY 480 — Instrumental Analysis (2-9-5). Prerequisites: Chemistry 282, 342. Winter and Summer.

Includes study of principles involved in the operation and the laboratory use of special instruments for analysis.

CHEMISTRY 491, 492, 493—Physical Chemistry (3-3-4). Prerequisites: Chemistry 343, 282. Physics 213. Mathematics 104.

Fundamental principles of physical chemistry including the study of solids, liquids, gases, thermochemistry, thermodynamics and solutions. The course will also cover a study of chemical equilibria, chemical kinetics, electrochemistry, colloids, quantum mechanics and nuclear chemistry.

CHEMISTRY 498, 499—Special Problems (Schedule and credit vary). Prerequisites: Chemistry 493 and consent of Department Head.

Problems to be assigned and work directed by a member of the Department. Supervised research including literature search, laboratory experimentation and presentation of results. Course credit will depend on problem.

CHEMISTRY 105—Chemistry for Nurses (4-3-5).

Principles of inorganic, organic and physiological chemistry with special application to nursing practice.

## PHYSICAL SCIENCE

PHYSICAL SCIENCE 111—Physical Environment (5-0-5). Winter. Prerequisite: Entrance Requirements.

An elementary survey of the fundamentals of general physics, including mechanics, heat and sound, electricity and magnetism, and modern physics. Designed for non-science majors. Only simple

mathematics is utilized. Lectures, demonstrations, visual aids and problems. No credit is given to a student who has completed a course in college physics.

**PHYSICAL SCIENCE 114**—Physical Oceanography (5-0-5). Summer. Prerequisite: Entrance Requirements.

A survey of basic physical oceanography. Distribution of land and water over the earth. Nature and relief of the sea floor. Physical and chemical properties of sea water. Propagation of sound and light in the ocean. Tides and currents, turbulence and waves, and air-sea energy exchange. Instrumentation. Lectures, visual aids, charts, maps, and problems.

**PHYSICAL SCIENCE 113**—Meteorology, Geology, Astronomy (5-0-5). Fall, Spring. Prerequisite: Entrance Requirements.

A survey of elementary meteorology, geology and astronomy. Elements of weather and climate, their forecasting and possible modification. Composition, structure and history of the earth. Relative positions, motions and sizes of members of the solar system, our galaxy, and other regions of the universe. Lectures, visual aids, fossils, minerals and rocks, demonstrations and problems.

## PHYSICS

**PHYSICS 211**—Mechanics (4-2-5). Fall, Summer. Prerequisite: Mathematics 102.

The first part of the sequence Physics 211-212-213 in general physics. Basic classical physics, including mechanics, sound and heat. Designed for non-science majors with aptitude in mathematics below the level of calculus. Lectures, demonstrations, visual aids, problems, and laboratory work.

**PHYSICS 212**—Electricity, Magnetism, Basic Light (4-2-5). Winter. Prerequisites: Mathematics 102 and Physics 211.

The second part of the sequence Physics 211-212-213. Basic electricity, magnetism, and geometrical optics.

**PHYSICS 213**—Light Phenomena, Modern Physics (4-2-5). Spring. Prerequisites: Mathematics 102 and Physics 212.

The last part of the sequence Physics 211-212-213. Continues the study of light from the viewpoint of physical optics, and concludes with the study of atomic and nuclear physics. Laboratory work includes two selected experiments of advanced scope.

**PHYSICS 217**—Mechanics (5-3-6). Fall, Summer. Prerequisite: Mathematics 104, or concurrently.

The first part of the sequence Physics 217-218-219 in general physics. Basic classical physics, including mechanics, sound and heat. Designed for science majors and engineering students. Lectures, demonstrations, visual aids, problems, and laboratory work.

**PHYSICS 218**—Electricity, Magnetism, Basic Light (5-3-6). Winter. Prerequisites: Mathematics 104 and Physics 217.

The second part of the sequence Physics 217-218-219. Basic electricity, magnetism, and geometrical optics.

PHYSICS 219—Light Phenomena, Modern Physics (5-3-6).  
Spring. Prerequisites: Mathematics 104 and Physics 218.

The last part of the sequence Physics 217-218-219. Continues the study of light from the viewpoint of physical optics, and concludes with the study of atomic and nuclear physics. Laboratory work includes two selected experiments of advanced scope.

PHYSICS 301—Physical Geology (2-0-2). Spring. Prerequisite: Physics 211 or consent of Instructor.

Geologic history of the earth. Stratigraphy, volcanism, earthquakes, and metamorphism. Lectures, visual aids, rocks and minerals, fossils, topographic and geologic maps, and problems.

## CHINESE

(See listing under Department of Foreign Language)

## DENTAL HYGIENE

(See listing under Department of Allied Health Services)

## ECONOMICS

(See listing under Department of Business Administration)

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## DEPARTMENT OF EDUCATION

Professor William W. Stokes, Head; Professor Parry;

Assistant Professors Newberry and Ward

The purpose of the Department of Education is to co-ordinate the college-wide programs of teacher education and to offer professional courses for the pre-service and in-service preparation of teachers. For specific requirements of the teacher education programs offered by the college, see pages 64-73.

### *Course Offerings*

EDUCATION 203—Orientation to Teaching. (5-0-5).

The study of the status of education and of teaching as a profession. The student engages in directed self-study and plans for the achievement of his professional goals.

EDUCATION 301—Child Development and the Educative Process. (2-6-5).

A study of the developmental learning characteristics of pupils in relation to ways in which the school environment may elicit

further development. Students attend seminars on campus and serve as junior professionals in selected elementary schools. Enrollment limited to 12 students per section. Prerequisite: Education 203.

**EDUCATION 425—The Teaching of Reading. (5-0-5).**

The teaching of reading including methods, techniques, and materials. Prerequisite: Admission to Teacher Education.

**EDUCATION 435—Elementary School Curriculum. (5-0-5).**

The study of existing instructional programs and experiences in curriculum design. Directed observation. Prerequisite: Edu. 301 and Psy. 301, or permission of the instructor. Corequisite: Edu. 436.

**EDUCATION 436—Elementary School Methods. (5-0-5).**

The study and evaluation of teaching methods, materials, and equipment in the various teaching fields. Actual unit development in preparation for student teaching. Prerequisite: Edu. 301 and Psy. 301, or permission of the instructor. Corequisite: Edu. 435.

**EDUCATION 437-440—Secondary School Curriculum and Methods. (5-0-5).**

The study of secondary school curriculum with emphasis upon materials and methods of teaching. Directed observation. Registration is by section as indicated below: Prerequisite: Admission to Teacher Education and Psy. 301.

**EDUCATION 437—Secondary School Curriculum and Methods, General.**

**EDUCATION 438—Secondary School Curriculum and Methods, Business Education.**

**EDUCATION 439—Secondary School Curriculum and Methods, English.**

**EDUCATION 440—Secondary School Curriculum and Methods, Social Science.**

**EDUCATION 446, 447, 448 — Student Teaching (15 quarter hours).**

Students are placed in selected schools for one quarter as full time student staff members. No additional credit hours may be earned while student teaching. Classroom teaching experiences and other staff responsibilities are jointly supervised by the college staff, supervising teachers and principals in the selected schools. Prerequisite: See page —?—.

## **EDUCATION COURSES OFFERED IN OTHER DEPARTMENTS**

**ART 320—Art for the Elementary Teacher. (4-2-5).**

A study of materials and methods for teaching art at the elementary school level. Prerequisite: Admission to Teacher Education.

**ENGLISH 331—Children's Literature. (5-0-5).**

The literary genres usually emphasized in elementary and secondary schools will be studied. The primary purpose of this course will be to consider how literature may both stimulate the child and cater to his interests as well. Secondary purposes will be the con-

consideration of critical techniques, methodology, and overall usefulness of materials studied. Prerequisite: Admission to Teacher Education.

**MATHEMATICS 452—Basic Ideas of Arithmetic. (5-0-5).**

This course is designed to give elementary teachers a clear understanding of the fundamental ideas of arithmetic and to acquaint them with the material currently being used in the elementary schools. Prerequisite: Mathematics 105, and Admission to Teacher Education.

**MUSIC 320—Music for the Elementary Teacher. (5-0-5).**

An introduction to music skills and materials for the elementary classroom teacher. Prerequisite: Admission to Teacher Education.

**PHYSICAL EDUCATION 320—Health and Physical Education for the Elementary Teacher. (5-0-5).**

An introduction to the teaching of health and physical education for the elementary teacher. Prerequisite: Admission to Teacher Education.

**PSYCHOLOGY 301—Educational Psychology. (5-0-5).**

The application of behavioral science to the problems of learning in the classroom. Prerequisite: Psychology 101 and Admission to Teacher Education.

**ENGINEERING**

(See listing under Department of Mathematics)

**DEPARTMENT OF ENGLISH & SPEECH**

Professor Hugh Pendexter III, Head; Professors Anchors, Seale, Strozier; Associate Professor Jones; Assistant Professors Brooks (leave of absence), Brown, Chew, Jenkins, Ramsey, Welsh and White.

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**DEPARTMENTAL REQUIREMENTS FOR THE MAJOR IN ENGLISH**

A student majoring in English must complete at least 40 hours of upper-division courses (300-400 level) in the major field, of which at least 15 hours must be on the 400 level. A major program must include at least one of the starred courses in each of the following groups:

- I. Shakespeare (404\*)
- II. English Literature before 1700 (300\*, 301\*, 302\*, 320, 402, 403)
- III. English Literature after 1700 (303\*, 304\*, 305\*, 306\*, 307\*, 311, 312, 316, 322)
- IV. American Literature (308\*, 309\*, 310\*, 313, 315, 322)
- V. a. Comparative Literature (314\*, 318\*, 322\*, 332\*, 333\*)  
b. English Language (325\*, 326\*, 410\*)

The major shall select one area of specialization from groups I-V and complete at least two additional courses in that area (starred or unstarred). English 400, 401, 490, and 491 may, depending on the subject, be counted in any area of specialization.

The major program must also include proficiency in a foreign language equivalent to courses 101 through 201, and 25 quarter hours of courses, approved by the major department, from these related fields: literature in a foreign language, history, philosophy, art music, speech.

## Course Offerings

### ENGLISH

Students will be assigned to freshman English according to results of tests taken before the beginning of the term.

ENGLISH 99—Fundamentals of Composition (3-4-0). This is the study and practice of sentence and paragraph structure. Students must learn to write clearly, logically, coherently, and *correctly*. In the 2-hour reading laboratory students work to improve reading comprehension. In the 2-hour writing laboratory they practice composition.

ENGLISH 101—Composition (5-0-5). Prerequisite: Assignment to this course is based on entrance test results or the successful completion of English 99. English 101 must be completed with a grade of "C" in order to enter English 102. A library paper is written during the term.

ENGLISH 102 — Composition and Introduction to Literature (5-0-5). Prerequisite: English 101. Emphasis in composition is on critical papers longer than 1000 words. Reading assignments are from classical epics and tragedy, and the Bible.

ENGLISH 103—Honors Composition (5-0-5). Instructions in this course will not follow the traditional lecture method only; the students will read, and write a research paper (or papers) in the fashion which the instructor thinks will best discipline them for independent study.

ENGLISH 104—Honors Composition and Introduction to Literature (5-0-5). In this course the students will read material in addition to the literature assigned for English 102 and write critical papers on topics selected from the periods covered.

ENGLISH 110—English as a Second Language (5-0-5). This course is designed to prepare students whose native language is not English to do the normal college composition work. Students receiving a grade of "C" or better are eligible for English 102. Admission by permission of the instructor.

ENGLISH 201—Masterpieces of Literature I (5-0-5). Prerequisite: English 101, English 102. Literary masterpieces from 1350-1835.

ENGLISH 202—Masterpieces of Literature II (5-0-5). Prerequisite: English 101, English 102, English 201. Literary masterpieces from 1850 to present. This course is prerequisite to all 300 and 400 level courses.

**Period Courses** (poetry and prose, with a slight sampling of drama).



ENGLISH 300—Early English Literature: Beginning through 1485 (5-0-5).

ENGLISH 301—Renaissance: 1485-1603 (5-0-5).

ENGLISH 302—17th Century: 1603-1660 (5-0-5).

ENGLISH 303—Age of Dryden and Pope (5-0-5).

ENGLISH 304—18th Century: Swift through Blake (5-0-5).

ENGLISH 305—19th Century I: Romantic (5-0-5).

ENGLISH 306—19th Century II: Victorian (5-0-5).

ENGLISH 307—20th Century British (5-0-5).

ENGLISH 308 — American Literature I: Beginning through Cooper (3-0-3).

ENGLISH 309—American Literature II: Emerson through Twain (5-0-5).

ENGLISH 310—American Literature III: Rise of Naturalism to the present (5-0-5).

ENGLISH 332—Medieval and Renaissance European Literature (5-0-5).

ENGLISH 333—Modern European Literature (5-0-5).

### Genre Courses

ENGLISH 311—British Novel I: Beginning through Austen (3-0-3).

ENGLISH 312—British Novel II: Scott through Hardy (5-0-5).

ENGLISH 316—British Novel III: Conrad to the present (5-0-5).

ENGLISH 313—American Novel I: Beginning through James (5-0-5).

ENGLISH 315—American Novel II: Naturalists to present (5-0-5).

ENGLISH 314—The European Novel (5-0-5).

ENGLISH 318—Greek and Roman Drama in Translation (5-0-5).

ENGLISH 320—British Drama I: Beginning to 1640 (5-0-5).

ENGLISH 321—British Drama II: 1660-1850 (5-0-5).

ENGLISH 322 — Modern British, American, and Continental Drama, Ibsen to the present (5-0-5).

ENGLISH 325—Advanced Grammar: Generative-Transformational Grammar.

ENGLISH 326—Introduction to Linguistics (5-0-5).

ENGLISH 331—Children's Literature (will not apply toward English major) (5-0-5).

### Senior Courses

ENGLISH 400—Seminar [ (1-5)-0-(1-5) ].

ENGLISH 401—Seminar [ (1-5)-0-(1-5) ].

ENGLISH 402—Milton (5-0-5).

ENGLISH 403—Chaucer (5-0-5).

ENGLISH 404—Shakespeare (5-0-5).

ENGLISH 410—History of the English Language (5-0-5).

ENGLISH 490—Independent Study [ (1-5)-0-(1-5) ].

ENGLISH 491—Independent Study [ (1-5)-0-(1-5) ].

## SPEECH

**SPEECH 227**—Theatre Laboratory (0-3-1). Practical experience in theatre. The student will work on the Masquer's production of the quarter. Only one hour's credit may be earned per quarter. The maximum total credit allowed in Theatre Laboratory is five quarter hours.

**SPEECH 228**—Fundamentals of Speech (5-0-5). Practice and theory of oral communication. Each student makes several major speeches. The physiology of the speech mechanism is covered, and articulation is studied within the framework of the International Phonetic Alphabet.

**SPEECH 341**—Oral Interpretation (5-0-5). A practical course in the oral interpretation of poetry and prose. The techniques of literature analysis are stressed along with the vocal techniques needed to communicate an author's mood and meaning.

**SPEECH 345**—History of the Theatre (5-0-5). A survey of theatrical art from its beginning to present day. The course emphasizes the development of the physical theatre.

## ENTOMOLOGY

(See listings under Department of Biology)

## DEPARTMENT OF FINE ARTS

Professor Harry Persse, Head; Assistant Professor McKinnell

### DEPARTMENTAL REQUIREMENTS FOR THE MAJOR IN MUSIC

#### The Bachelor of Arts Degree with a Major in Music

The college offers the Bachelor of Arts degree with a major in music. Within this degree program the student may choose a concentration from the areas of performance, music literature, music theory, or music education.

In addition to satisfying the requirements of the core curriculum for the bachelor of arts degree, those majoring in music will complete the following program:

Lower division courses:	Music Theory 110, 111, 112	6
	Sightsinging 101, 102, 103	3
	Music Theory 210, 211, 212	6
	Sightsinging 201, 202, 203	3
	Applied Music 140, 141, 142	6
	240, 241, 242	6
		30
Upper division courses:	Music History 310, 311	10
	Music Theory 312, 412	6
	Applied Music 340, 341, 342	6
	440, 441, 442	6

Additional courses in music may be elected by the student, but no more than seventy hours in the major field may be applied towards the degree.

In addition to the above, the program must include fifteen to thirty hours of approved electives in related fields.

### *Course Offerings*

#### ART

ART 101—Basic Design and Drawing (3-4-5).

An introduction to the principles of design and the means and materials of drawing.

ART 102—Basic Design and Drawing (3-4-5).

A continuation of Art 101.

ART 103—Basic Design and Drawing (3-4-5).

A continuation of Art 102.

ART 200—Art Appreciation (5-0-5).

The study of theories of art and their application in masterworks of art from all ages, directed towards increasing the understanding and enjoyment of art for the non-art major.

ART 201—Drawing and Painting (0-6-3).

Drawing and painting from various figures, animals, and objects, employing various materials and media.

ART 202—Drawing and Painting (0-6-3).

A continuation of Art 201.

ART 203—Drawing and Painting (0-6-3).

A continuation of Art 202.

ART 290—History of Art (5-0-5).

A survey of world art from ancient times through the Baroque.

ART 291—History of Art (5-0-5).

A survey of world art from the end of the seventeenth century to the present.

ART 320—Art for the Elementary Teacher (4-2-5).

A study of materials and methods for teaching art at the elementary school level.

ART 301—Ceramics (3-4-5).

An introductory course in the fundamentals of pottery, clay, modeling, glazing and firing methods.

ART 302—Ceramics (3-4-5).

A continuation of Art 301 with emphasis on the potter's wheel, and the study of glaze materials.

ART 303—Ceramics (3-4-5).

A continuation of Art 302 with emphasis on the potter's wheel and an introduction to elementary ceramic technology.

### *Course Offerings*

#### MUSIC

## Theoretical Courses

MUSIC 101—Sight Singing (2-0-1). Fall.

A study of sight singing techniques applied to diatonic materials.

MUSIC 102—Sight Singing (2-0-1). Winter.

A continuation of Music 101.

MUSIC 103—Sight Singing (2-0-1). Spring.

A continuation of Music 102.

MUSIC 110—Music Theory and Eartraining (2-1-2). Fall. An introduction to the basic theoretical principles of music and eartraining.

MUSIC 111—Music Theory and Eartraining (2-1-2). Winter.

A continuation of Music 110.

MUSIC 112—Music Theory and Eartraining (2-1-2). Spring.

A continuation of Music 111.

MUSIC 201—Sight Singing (2-0-1). Fall.

A study of sight singing techniques applied to chromatic materials.

MUSIC 202—Sight Singing (2-0-1). Winter.

A continuation of Music 201.

MUSIC 203—Sight Singing (2-0-1). Spring.

A continuation of Music 202.

MUSIC 210—Music Theory and Eartraining (2-1-2). Fall.

A continuation of the study of music theory introducing modulation and chromatic material. Prerequisite: Music 112.

MUSIC 211—Music Theory and Eartraining (2-1-2). Winter.

A continuation of Music 210.

MUSIC 212—Music Theory and Eartraining (2-1-2). Spring.

A continuation of Music 211.

MUSIC 312—Form and Analysis (3-0-3).

The study of the formal principles of music as exemplified in musical works of the various style periods.

MUSIC 320—Music for the Elementary Teacher (5-0-5).

An introduction to music skills and materials for the elementary classroom teacher.

MUSIC 350—Conducting (3-0-3).

An introduction to the problems and techniques of conducting.

MUSIC 411—Counterpoint (3-0-3).

A study of the contrapuntal techniques of Renaissance music.

MUSIC 412—20th Century Materials (3-0-3).

A study of the materials and techniques of 20th Century music.

MUSIC 420, 421—Piano Pedagogy (2-0-2), (2-0-2).

Introduction to techniques of piano instruction from the elementary through the advanced levels.

MUSIC 450—Orchestration (3-0-3).

An introduction to the techniques of scoring for instrumental ensembles and the orchestra.

### **History and Literature Courses**

MUSIC 200—Introduction to Music Literature (5-0-5).

A course designed to help the student understand and enjoy fine music by analysis of form, style and mediums of musical expression from the great periods of musical art. Not open to music majors.

MUSIC 310—Music History (5-0-5).

The history of music in Western civilization from its origins through the Baroque period.

Prerequisite: One year of music theory or permission of the instructor.

MUSIC 311—Music History (5-0-5).

The history of music in Western civilization from the Baroque period to the present.

Prerequisite: One year of music theory or permission of the instructor.

MUSIC 422—Opera Literature (3-0-3).

A study of operatic masterpieces from the origin of the form to the present.

MUSIC 490—Independent Study (1 to 5 hours).

### **APPLIED MUSIC COURSES**

Applied music courses consist of one or two twenty-five minute private lessons per week. A special fee of \$24.00 for one lesson per week or \$48.00 for two lessons per week per quarter is charged to the student not majoring in music.

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No music major will be permitted to register for applied music courses for credit until he has reached an adequate level of proficiency in his instrument. The standard of such proficiency will be set by the Fine Arts Department, and the level of achievement in the individual case will be determined by examination.

MUSIC 130, 131, 132; 230, 231, 232; 330, 331, 332; 430, 431, 432—Applied Music. One hour credit per quarter. One twenty-five minute private lesson per week.

MUSIC 140, 141, 142; 240, 241, 242; 340, 341, 342; 440, 441, 442—Applied Music. Two hours credit per quarter. Two twenty-five minute private lessons per week.

### **DEPARTMENT OF FOREIGN LANGUAGES**

Professor William Easterling, Head; Professor Lubs;  
Assistant Professor Noble.

#### *Course Offerings*

#### **CHINESE**

CHINESE 101-102—Elementary Chinese (10-0-10). (Offered on

demand.) A basic training in Chinese conversation and reading.

CHINESE 201 — Intermediate Chinese (5-0-5). (Offered on demand.)

CHINESE 233—Chinese Literature in Translation (5-0-5). (Offered on demand.)

### \*FRENCH

FRENCH 101-102-103—Elementary French (15-0-15). A course for beginners. The approach is primarily oral, and daily practice with tape recordings is required. No credit for graduation or transfer will be given until the sequence is completed.

FRENCH 110 (3-0-3)—111 (3-0-3)—112 (4-0-4). These are the same courses as French 101-02 above, but more time is allowed for covering the work. Students will be enrolled for these selections on advice of the instructor.

FRENCH 201—Intermediate French (5-0-5). Prerequisite: Three quarters of college French or three years of high school French. Further reading of texts, oral and composition practice.

FRENCH 301—French Classical Drama (5-0-5). Prerequisite: French 201. Selected plays of Corneille, Moliere and Racine.

FRENCH 327—French Literature of the Nineteenth Century (5-0-5). Prerequisite: French 201. A study of Romantic prose poetry, and drama, with lectures and discussions in French.

110 FRENCH 351-352-353 — Study Abroad in France (15 hours credit). This course is a summer quarter's residence and study in France in conjunction with the Study Abroad Programs of the University System of Georgia. The program will take place in Dijon for a period of eight weeks. During this time the student will follow an intensive program of instruction in language and culture and will be expected to engage in co-curricular activities sponsored by the University of Dijon and USG.

FRENCH 401 — French Literature of the Twentieth Century (5-0-5). Prerequisite: French 201. This course is a study of contemporary prose, poetry and drama with lectures and discussions in French. This course, normally the last course in French that a student would take, introduces a serious term paper of considerable magnitude to be written in French.

### \*GERMAN

GERMAN 101-102-103 — Elementary German (15-0-15). Drill upon pronunciation and elements of grammar, conversation and the training of the ear as well as the eye. German is used as much as

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\*Students who own tape machines may check copies of taped lessons out of the library. These tapes are recorded at 7½ i. p. s.

practicable in the classroom instruction. The course includes reading of texts and translations, conversations, dictation, and dialogues. No credit for graduation is allowed until sequence is completed.

GERMAN 110 (3-0-3)—111 (3-0-3)—112 (4-0-4). These are the same courses as German 101-02 above, but more time is allowed for

GERMAN 201 — Intermediate German (5-0-5). Prerequisite: Three quarters of college German or three years of high school German. Further reading of texts, oral and composition practice.

GERMAN 320—German Literature of the Twentieth Century (5-0-5). Prerequisite: four quarters of college German, or an equivalent language background, to be determined by the instructor.

The course will include readings and discussion in German of works by Thomas Mann, Franz Kafka and Gunter Grass, and the study of other major contemporary German authors.

GERMAN 351-352-353—Study Abroad in Austria (15 hours credit). This course is a summer quarter's residence and study in Austria in conjunction with the Study Abroad Programs of the University System of Georgia. The program will take place in Austria for a period of eight weeks. During this time the student will follow an intensive program of instruction in language and culture and will participate in University sponsored activities.

### \*SPANISH

SPANISH 101-102-103—Elementary Spanish (15-0-15). These courses are for the purpose of providing the student with the elements of Spanish reading, composition and conversation. No credit for graduation will be given until sequence is completed.

SPANISH 201 — Intermediate Spanish (5-0-5). Prerequisite: Three quarters of college Spanish or three years of high school Spanish. Further reading of texts, oral and composition practice.

SPANISH 351-352-353 — Study Abroad in Spain (15 hours credit). This course is a summer quarter's residence and study in Spain in conjunction with the Study Abroad Programs of the University System of Georgia. The program will take place in Salamanca for a period of eight weeks. During this time the student will follow the regular intensive program of instruction in language and culture which will be complemented by a number of excursions.

### FRENCH

(See listing under Department of Foreign Languages)

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\*Students who own tape machines may check copies of taped lessons out of the library. These tapes are recorded at 7½ i. p. s.

## **GEOGRAPHY**

(See listing under Department of History and Political Science)

## **GERMAN**

(See listing under Department of Foreign Languages)

## **HEALTH**

(See listing under Department of Allied Health Services)

## **DEPARTMENT OF HISTORY & POLITICAL SCIENCE**

Professor Roy Carroll, Head; Professors Beecher, Coyle, and Wu; Associate Professors Haunton, Lanier, Newman; Assistant Professors Boney, Clark, Comaskey, Duncan, Gross, McCarthy, Patterson.

### **DEPARTMENT REQUIREMENTS FOR THE MAJOR IN HISTORY**

Students planning to major in history are urgently advised to take such courses as will satisfy the basic college requirements for the Bachelor of Arts degree during the Freshman and Sophomore years. Those planning to continue their study of history in graduate school are advised to select French or German as their language. The minimum requirement in addition to History 114 and 115 for a major in history is forty quarter hours from history courses numbered 300 or above. In selecting courses for a major, the student may elect to emphasize the history of the United States, or the history of Europe, but he may not present a major exclusively in either of these areas.

Required courses: History 114, 115, and 300, but History 114 and 115 may not be counted in the forty quarter hours required for the major. It is the policy of the department to advise all history majors to register for History 300 in the first quarter of their Junior year or in the first quarter after they elect to major in history.

The major program must also include proficiency in a foreign language equivalent to courses 101 through 201, and 25 quarter hours of courses, approved by the department, from these related fields: History of Art and Music, Economics, Literature, Philosophy, Political Science, and Sociology.

### *Course Offerings*

#### **HISTORY**

**HISTORY 114**—History of Western Civilization. (5-0-5).

A chronological survey of the main currents of political, social, religious, and intellectual activity in western civilization from the time of the ancient Mediterranean civilization to 1715.



HISTORY 115—History of Western Civilization. (5-0-5).

A continuation of History 114 down to the present.

HISTORY 251—American History to 1865. (5-0-5).

A general survey of the political, economic, and social history of the United States to the end of the Civil War.

HISTORY 252—American History Since 1865. (5-0-5).

A general survey of the political, economic, and social history of the United States from 1865 to the present.

HISTORY 300—Problems in Historiography. (5-0-5).

A study of the nature and meaning of history, some of the problems involved in the writing and study of history, and selected interpretations.

HISTORY 320—The Civilization of China and the Far East, Part I. (5-0-5).

The history of East Asian civilization from ancient times through the eighteenth century, with special emphasis on characteristic political, economic, and social developments.

HISTORY 321—The Civilization of China and the Far East, Part II. (5-0-5).

The history of East Asian nations from the nineteenth century to the present, with emphasis on political, social, economic, and intellectual developments.

HISTORY 322—History of Japan. (5-0-5).

A survey of the history of Japan, with major emphasis placed upon the development of Japan since 1600.

HISTORY 323—History of India and South Asia. (5-0-5).

A survey of the civilization of South and South-east Asia, with principal attention given to India since 1600.

HISTORY 329—History of Russia to 1917. (5-0-5).

A survey of Russian history during the Kievan, Tartar, Muscovite, and Imperial eras.

HISTORY 330—Twentieth Century Russia. (5-0-5).

An examination of the forces leading to the downfall of Tsarist Russia, the Bolshevik Revolution, and the political, economic, and social history of the Soviet era.

HISTORY 341—History of England, 1450-1690. (5-0-5).

Emphasis is given to the constitutional, religious, and economic developments, but social and intellectual phases are treated.

HISTORY 343—Early Middle Ages, A.D. 333 - c. 1000. (5-0-5).

HISTORY 344—High Middle Ages, 1000-1300. (5-0-5).

HISTORY 345—The Late Middle Ages and Renaissance. (5-0-5).

The history of Europe from c. 1300 to 1517 with special emphasis on the political, cultural, and intellectual developments which transformed medieval society into Renaissance Man.

HISTORY 347—The French Revolution and Napoleon. (5-0-5).

An investigation of the ideas and events of the Old Regime and the Enlightenment in France; emphasis is also on the impact of the French Revolution and the career of Napoleon upon the major European nations.

**HISTORY 348** — The History of Europe from 1815 to 1900. (5-0-5).

A study of the most important social, political, and intellectual directions of European history from the Congress of Vienna to the end of the nineteenth century.

**HISTORY 350**—Europe in the Twentieth Century. (5-0-5).

A study of the major developments in Europe since 1900, with emphasis upon the origins and impact of the First and Second World Wars.

**HISTORY 354**—Social and Intellectual History of the United States Since 1865. (5-0-5).

An examination of political theory, social development, and the principal trends of American thought since 1865. Prerequisite: History 252.

**HISTORY 355**—Studies in American Diplomacy. (5-0-5).

Studies of American objectives and policies in foreign affairs from colonial times to the present. Prerequisite: History 252.

**HISTORY 356**—American Constitutional History. (5-0-5).

A study of the origins, content and expansion of the Constitution of the United States.

**HISTORY 357**—The Old South. (5-0-5).

The colonial South through secession; development and operation of the plantation system; emergence of the ante-bellum social and political patterns of the region.

**HISTORY 358**—The New South. (5-0-5).

Emphasis is placed upon the social, economic, and political readjustments of the late nineteenth century, and the impact of industrialism and liberalism in the twentieth century. Prerequisite: History 252.

**HISTORY 359**—Civil War and Reconstruction. (5-0-5).

The causes and significance of the American Civil War, with minor consideration of the military campaigns; political, economic and social aspects of Reconstruction.

**HISTORY 360**—Recent American History. (5-0-5).

Beginning with the presidency of Rutherford B. Hayes, the course will emphasize populism and progressivism, the period between the wars, and postwar readjustment.

**HISTORY 361**—Great Historians. 5 quarter hours. (5-0-5).

The course is designed to acquaint the student with major historians and historical philosophies through individual reading under the direction of the instructor.

**HISTORY 362**—Independent Study. (5-0-5).

Designed to permit superior students to pursue individual research and reading in some field of history under the supervision of

a member of the staff. Emphasis will be on wide reading, conferences with the adviser, and written reports and essays. Open only to seniors with a B average in history and in their overall work. Admission will be subject to approval of the individual adviser and of the Head of the Department of History.

## **GEOGRAPHY**

**GEOGRAPHY 111**—World Human Geography. (5-0-5).

A survey of world human geography, emphasizing population characteristics, topographic features, distribution of economic activities and geo-political problems within the major geographical regions. Consideration of adequacy of resources to support expanding world populations.

## **PHILOSOPHY**

**PHILOSOPHY 201**—Introduction to Philosophy. (5-0-5).

The fundamentals of philosophy, the meaning and function of philosophy, the vocabulary and problems of philosophy, and the relation of philosophy to art, science and religion. Includes a survey of the basic issues and major types of philosophy, and shows their sources in experience, history and representative thinkers.

**PHILOSOPHY 301** — History of Philosophy: Ancient and Medieval. (5-0-5).

An historical introduction to philosophy, tracing the development of European philosophy from the early Greeks through the Renaissance.

**PHILOSOPHY 302**—History of Philosophy: Modern. (5-0-5).

A continuation of Philosophy 301 from the seventeenth century to the present.

**PHILOSOPHY 320**—Introduction to Oriental Philosophy. (5-0-5).

## **POLITICAL SCIENCE**

### **Departmental Requirements for the Major in Political Science**

A student majoring in Political Science must complete Political Science 200 and a minimum of forty quarter hours of upper-division courses (300-400 level) in the major field. The major program must include at least one course from each of the following groups:

- I. American Political Institutions (300, 304, 305, 307)
- II. Comparative Government (308, 309)
- III. International Relations (306, 319, 320)
- IV. Political Theory (331, 332)

For the remaining number of required courses, the student must have a reasonable distribution of courses from the four areas listed above. Political Science 400 (Senior Seminar) may be taken with permission of the Department Head.

The major program must also include proficiency in a foreign language equivalent to courses 101 and 201 (French or German is recommended for those contemplating graduate work), and 25 quarter

hours of courses, approved by the department, from these related fields: economics, psychology, history, geography, philosophy, sociology, and statistics.

### *Course Offerings*

POLITICAL SCIENCE 113—Government of the United States. (5-0-5).

A study is made of the structure, theory, and functions of the national government in the United States and some of the major problems of the state and local government. The course shows how developmental practice has created our government as it stands today.

POLITICAL SCIENCE 200—Introduction to Political Science. (5-0-5).

This course deals with the area of political science as a discipline, and serves as an introduction to the systematic study of modern government. Attention is given to the role of politics in society; the nature and origins of the state; the nature and development of political institutions; the bases of political action; and the theories, forms and processes of government. Required of all political science majors.

POLITICAL SCIENCE 300—Political Behavior. (5-0-5).

This course emphasizes the economic, psychological, and social aspects of political behavior. It examines the concepts of power, roles groups, elites, decision-making, political communications, and systems analysis. Consideration is also given to the basic theories, variables, and hypotheses used in empirical research in political science. Designed primarily for those students intending to go to graduate school. Prerequisites: Political Science 113 or equivalent, and Political Science 200.

POLITICAL SCIENCE 304—Public Administration. (5-0-5).

This is a one quarter course that is primarily concerned with organizational theory and bureaucratic behavior, whether public or private, but with an emphasis on the behavior of the bureaucracy of the national government. This course will also be concerned with the political process as it unfolds in the administration of laws enacted by the Congress. A number of case studies on the subject will be examined in some detail. Prerequisite: Political Science 113, or equivalent.

POLITICAL SCIENCE 305—State and Local Government. (5-0-5).

This course is concerned primarily with the political process and the behavior of political actors at the local and state levels of government primarily in the United States. It is concerned with the techniques and research results of the relevant empirical literature that has evolved over the past 15 years in the field; i.e., local community studies of Floyd Hunter, Robert A. Dahl, and others. Prerequisite: Political Science 113, or equivalent.

POLITICAL SCIENCE 306—International Law. (5-0-5).

An introduction to selected public international law topics includ-

ing: recognition, state succession, jurisdiction, extradition, nationality, the law of treaties, the law of diplomacy, and the law of war.

**POLITICAL SCIENCE 307—Constitutional Law. (5-0-5).**

A study of the development of the United States government through judicial interpretation of the Constitution. The case study method of analysis is used, but some attention is given also to recent behavioral writings on judicial decision-making. Prerequisite: Political Science 113, or equivalent.

**POLITICAL SCIENCE 308—Comparative Government: Western Europe. (5-0-5).**

An analytical and comparative study of the major Western European governments, with principal emphasis upon the analysis of the conditions which lead to effective and stable parliamentary government, and those which lead to the inefficiency, instability and breakdown of such systems. Prerequisite: Political Science 113 or equivalent, and Political Science 200.

**POLITICAL SCIENCE 309—Comparative Government: Soviet Union. (5-0-5).**

A continuation of Political Science 308, with emphasis on the political system of the U.S.S.R. and the Soviet bloc of nations in Eastern Europe. Prerequisite: Political Science 113, or equivalent, Political Science 200.

**POLITICAL SCIENCE 319—International Relations. (5-0-5).**

An introduction to the theories, forces and practices dominating contemporary international relations.

**POLITICAL SCIENCE 320—International Relations: The Far East. (5-0-5).**

**POLITICAL SCIENCE 331-332—Political Theory. (5-0-5).**

An historical study of the development of ideas relative to the state and government from Socrates and Plato to the present. Attention is directed primarily to the political thought of a selected group of eminent philosophers.

**POLITICAL SCIENCE 331—From Socrates to the 17th Century (5-0-5).**

**POLITICAL SCIENCE 332 — From the 17th Century to the Present. (5-0-5).**

**POLITICAL SCIENCE 400—Senior Seminar. (5-0-5).**

Designed to permit superior students to pursue research and reading in some field of political science under the supervision of the staff. Open only to seniors with a B average in political science. Admission will be subject to approval of the department head.

## DEPARTMENT OF MATHEMATICS

Assistant Professor James Semmes, Acting Head; Professors Sanchez-Diaz, Cooley, Winn, Assistant Professors Hinkel, Hansen, Findeis, Saunders, Sheffield.

All degree programs require at least 10 hours of mathematics.

This requirement may be satisfied in any one of three ways:

- (a) For LIBERAL ARTS MAJORS (English, history, etc.): Mathematics 105 and any one of these courses: Mathematics 106, 107, 108, 109.
- (b) For SOCIAL SCIENCES, BUSINESS, AND BIOLOGY MAJORS: Mathematics 100, 135, and 211.
- (c) For CHEMISTRY, PHYSICS, ENGINEERING, AND MATHEMATICS MAJORS: Mathematics 101-102 or 103 (unless exempted), and Math. 104.

\*In general, academic credit will not be given for more than one of the courses 100, 101, 105, nor for more than one of the courses 102, 106, 107, 108, 109, 135. However, students should consult with the Department Head of their major for possible variations on the above options (a), (b), and (c).

### Departmental Requirements for the Major in Mathematics

A major in mathematics will consist of at least 30 quarter hours beyond the calculus sequence (Mathematics 104-201-202-203).

Every major program must include Mathematics 311-312 and at least one of these sequences: 331-332; 401-402.

A Mathematics major must support his work in mathematics with 15 quarter hours of approved elective courses in related fields (chemistry, physics, or economics, etc.) beyond the core curriculum requirements. Students are urged to complete as many of the General Education (Core curriculum) requirements as possible before entering their junior year.

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### Course Offerings

#### ENGINEERING

ENGINEERING GRAPHICS 113—(0-6-2).

Topics of study include lettering (capital and lower case); the use of the instruments; geometric construction; orthographic projection; emphasis on descriptive geometry concepts as applied to the solution of problems involving orthographic projection of solids, auxiliary views, and points, lines and planes.

ENGINEERING GRAPHICS 114—(0-6-2). Prerequisite 113.

Topics of study include the solution of problems involving points, lines and planes by use of the revolution method; intersection of surfaces; warped surfaces: the development of surfaces. Practical applications are emphasized.

ENGINEERING GRAPHICS 115—(0-6-2). Prerequisite: 114.

Topics of study include sections and conventions; dimensioning; pictorial representation; detail sketches; shop processes; assembly drawings from detail sketches; working pictorial sketches; introduction to charts and graphs; reproduction processes, ink tracing on cloth; graphical calculus.

#### MATHEMATICS

MATHEMATICS 100—College Algebra (5-0-5). Fall, Winter,

Spring, Summer.

Sets, function and their graphs, equations, logarithm and exponential functions, polynomials, right triangle trigonometry, elementary counting.

**MATHEMATICS 101**—Pre Calculus Mathematics I (5-0-5). Fall, Winter, Spring, Summer. Prerequisites: SAT score of 450 or better on both verbal and mathematics, or a grade of C or better in Mathematics 100.

Sets, real numbers, equations and inequalities, functions and graphs, exponential and logarithmic functions.

**MATHEMATICS 102**—Pre Calculus Mathematics II (5-0-5). Fall, Winter, Spring, Summer. Prerequisites: Grade of C or better in Mathematics 101 or A in Mathematics 100.

Trigonometric functions, Analytic trigonometry. Systems of Equations and Inequalities, determinants, complex numbers, polynomials, Sequences. Elements of Analytic Geometry (linear, parabolas and ellipses).

**MATHEMATICS 103**—Pre Calculus Mathematics (5-0-5). Fall only. Prerequisites: SAT scores of 550 or better on both verbal and mathematics, 8 semesters of high school mathematics or its equivalent (algebra 1, 2, Geometry, Trigonometry).

Sets, functions, graphs, real numbers, polynomial functions, trigonometric functions, inverse functions.

**MATHEMATICS 104**—Analytic Geometry and Calculus (5-0-5). Fall, Winter, Spring. Prerequisites: SAT scores of 625 or better on both verbal and mathematics, plus at least 8 semesters of high school mathematics or a grade of C or better in Mathematics 103 or in 101 and 102.

The real numbers (especially the completeness property), coordinate systems, introduction to the integral, areas, differential calculus, the Fundamental Theorem of Calculus.

**MATHEMATICS 105**—An Introduction to Modern Mathematics I. (5-0-5). Fall, Winter, Spring.

This course and Mathematics 106, 107, 108, 109 are designed to introduce the non-science major to modern mathematical concepts and to suggest an appropriate cultural setting for the subject.

**MATHEMATICS 106**—An Introduction to Modern Mathematics II, Abstract Algebra. (5-0-5). Fall, Winter, Spring. Prerequisite: Mathematics 105 or consent of instructor.

This course as well as Mathematics 107, 108, 109 will proceed in the same spirit as Mathematics 105. A specific area of mathematics will be studied in an effort to acquaint the liberal arts student with the work of contemporary mathematicians. Appropriate topics will be selected from one of the following areas: Abstract algebra, modern geometry, analysis, mathematics logic.

**MATHEMATICS 107**—An Introduction to Modern Mathematics II, Logic (5-0-5). Prerequisite: Mathematics 105 or consent of instructor.

MATHEMATICS 108—An Introduction to Modern Mathematics II, Geometry (5-0-5). Prerequisite: Mathematics 105 or consent of instructor.

MATHEMATICS 109—An Introduction to Modern Mathematics II, Analysis (5-0-5). Prerequisite: Mathematics 105 or consent of instructor.

MATHEMATICS 135—Finite Mathematics (5-0-5). Prerequisites: Mathematics 100 or its equivalent. Fall, Winter, Spring, Summer.

MATHEMATICS 201—Analytic Geometry and Calculus (5-0-5). Prerequisite: Mathematics 104.

The differential and integral calculus of exponential, logarithmic and inverse trigonometric functions, elementary differential equations, algebra of vectors.

MATHEMATICS 202—Analytic Geometry and Calculus (5-0-5). Prerequisite: Mathematics 201.

Some vector, analysis, analytic geometry of two and three dimensions, conics, polar and cylindrical coordinates, the Mean-Value Theorem, Cauchy's Theorem, Taylor polynomials.

MATHEMATICS 203—Analytic Geometry and Calculus (5-0-5). Prerequisite: Mathematics 202.

Problems involving extrema, the theorems of L'Hopital and applications, infinite sequences and series. The solution of linear ordinary differential equations both by operator methods and series.

MATHEMATICS 211—Elementary Statistics (5-0-5). Fall, Winter, Spring. Prerequisites: Mathematics 135 or instructor's permission.

MATHEMATICS 305—Differential Equations with Applications (5-0-5). Prerequisite: Mathematics 202.

MATHEMATICS 306—Fourier Series and Boundary Value Problems with Applications (3-0-3). Prerequisite: Mathematics 305.

MATHEMATICS 311, 312, 313—Abstract Algebra (3-0-3). Prerequisite: Mathematics 203.

MATHEMATICS 331—Vector Analysis (5-0-5). Prerequisite: Mathematics 203.

MATHEMATICS 332—Mathematical Statistics (5-0-5). Prerequisite: Mathematics 203.

MATHEMATICS 400—Special Topics (1-5)-0-(1-5).

MATHEMATICS 401, 402, 403 — Introductory Real Variables (3-0-3). Prerequisite: Mathematics 311 and consent of instructor.

MATHEMATICS 411, 412—Complex Variables (3-0-3). Prerequisite: Mathematics 203.

MATHEMATICS 431, 432—College Geometries—(Hilbert Plane, Projective, and other Non-Euclidean Geometries) (3-0-3). Prerequisite: Consent of instructor.

MATHEMATICS 452—Basic Ideas of Arithmetic (5-0-5). Prerequisite: Mathematics 105, or equivalent.



This course is designed to give elementary teachers a clear understanding of the fundamental ideas of arithmetic and to acquaint them with the material currently being used in the elementary schools.

MATHEMATICS 490—Seminar (1-0-1).

## MUSIC

(See listing under Department of Fine Arts)

## NURSING

(See listing under Department of Allied Health Services)

## NUTRITION

(See listing under Department of Allied Health Services)

## PHILOSOPHY

(See listing under Department of History and Political Science)

## DEPARTMENT OF PHYSICAL EDUCATION

Professor Roy J. Sims, Head; Assistant Professors Lawrence M. Tapp (leave of absence), B. Alexander, and G. Bedwell; Instructor B. Backus.

During the freshman year, students should take Physical Education 111 (Fall), Physical Education 112, and Physical Education 113 (Winter and Spring). During the sophomore year, students should elect any other three Physical Education courses. Students unable to participate in the regular program should plan an alternate program with the head of the Department of Physical Education. For other department regulations see "Physical Education Program" under academic regulations.

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### *Course Offerings*

PHYSICAL EDUCATION 111 — Conditioning Course (0-2-1).  
Fall.

Consists of calisthenics, stunts and tumbling, lifts and carries, road work, duel combatives, and simple games.

PHYSICAL EDUCATION 112—Team Sports (0-2-1). Winter.

Consists of two from the following: basketball, field hockey, soccer, speedball, and volleyball.

PHYSICAL EDUCATION 113—Elementary Swimming (0-2-1).

Fall, Winter, and Spring. (Physical Education 202 or Physical Education 203 may be substituted for Physical Education 113.)

PHYSICAL EDUCATION 115—Officiating of Football (1-3-2).

Fall. Consists of a study of rules, rules interpretation, and actual experience in officiating in class games, intramural games, approved community recreation games and public school games. Elective credit. Students must have permission of the department head or course instructor to enroll.

PHYSICAL EDUCATION 116—Officiating of Basketball (1-3-2). Winter. Consists of a study of rules, rules interpretation, and

actual experience in officiating in class games, intramural games, approved community recreation games, and public school games. Elective credit except when substituted for Physical Education 112 (Team Sports). Students must have permission of the department head or course instructor to enroll. Only one of the officiating courses will satisfy a sophomore elective course.

**PHYSICAL EDUCATION 201**—Elementary Tennis (0-2-1). Fall and Spring.

**PHYSICAL EDUCATION 202**—Senior Life Saving Course in Swimming (0-2-1). Spring. (May be substituted for Physical Education 113).

**PHYSICAL EDUCATION 203** — Water Safety Instructors' Course (1-2-1). Spring. (May be substituted for Physical Education 113). Prerequisite: Physical Education 202 or American Red Cross Senior Life Saving.

**PHYSICAL EDUCATION 204** — First Aid (3-0-1). Fall and Winter.

The American Red Cross standard course in first aid.

**PHYSICAL EDUCATION 205**—Folk Rhythms (0-2-1). Spring.

**PHYSICAL EDUCATION 206**—Beginning Modern Dance (0-2-1). Winter.

**PHYSICAL EDUCATION 207**—Tap Dance for Beginners (0-2-1).

**PHYSICAL EDUCATION 208**—Golf or Other Adult Recreative Sports (0-2-1). Fall and Spring.

Golf, ping-pong, pool, card games, chess, checkers, shuffleboard, and other quiet games.

**PHYSICAL EDUCATION 232**—Bowling (0-2-1). Winter.

**PHYSICAL EDUCATION 233**—Badminton (0-2-1).

**PHYSICAL EDUCATION 234**—Trampoline (0-2-1).

The student is taught the proper care and use of the trampoline. Under strict supervision he learns to perform the following skills; seat drop, knee drop, front drop, back drop, pull over, cradle, turntable, swivel hips, spotting, and somersault.

**PHYSICAL EDUCATION 236** — Intermediate Modern Dance (0-2-1). Prerequisite: Physical Education 206.

A continuation of Physical Education 206 with emphasis on dynamics, composition, and choreography.

**PHYSICAL EDUCATION 320**—Health and Physical Education for the Elementary School Teacher (3-2-5). Fall and Spring.

## **PHYSICAL SCIENCE**

(See listing under Department of Chemistry and Physics)

## **PHYSICS**

(See listing under Department of Chemistry and Physics)

# DEPARTMENT OF POLICE ADMINISTRATION

Associate Professor, W. Bryce Hill

## Quarter Hours

10  
5  
10  
10  
6  
5  
15  
—  
61

## Course

English 101 (or 100), and English 228  
History 251\* or History 252\*  
Political Science 113\*, 305  
Biology 101, 102 or Chemistry 121, 122  
or Physics, 211, 212  
Physical Education 111, 113, 202, 204,  
and two courses in defense tactics  
Psychology 201  
Sociology 201, 350, and Criminology

## Quarter Hours

## Course (Police Science)

- (5-0-5) Police Administration 101: Introduction to Law Enforcement  
(5-0-5) Police Administration 102: Police Patrol  
(5-0-5) Police Administration 103: Criminal Law  
(5-0-5) Police Administration 104: Criminal Evidence  
(5-0-5) Police Administration 201: Police Administration  
(5-0-5) Police Administration 202: Criminal Investigation  
(5-0-5) Police Administration 203: Introduction to Criminalistics

## First Year

### Fall

Introduction to Law Enforcement 101  
English 101 or 100  
Physical Education 111  
Political Science 113

### Winter

Patrol 102  
Sociology 201  
Physical Education 113  
History 251 or 252

### Spring

Police Administration 201  
Psychology 201  
Physical Education 201  
Sociology 350

123

## Second Year

Criminal Law 103  
Criminology  
Physical Education: Defense Tactics  
Science  
Criminal Evidence 104

Criminal Investigation 202  
Physical Education: Defense Tactics  
Science  
Introduction to Criminalistics 203

Political Science 305  
Physical Education 202  
Speech 228

**POLICE ADMINISTRATION 101 (5-0-5).** Introduction to Law Enforcement.

Survey of law enforcement—the role, history and development, constitutional aspects, modern police practices and the functions of other agencies involved in the administration of criminal justice.

\*If one of these history courses and this political science course are exempted by examination in order to meet the state requirement for graduation (see page 53), the ten quarter hours shall be allotted to electives.

## Career Orientation.

### **POLICE ADMINISTRATION 102 (5-0-5). Police Patrol.**

Basic operation of the police patrol functions; the responsibilities of patrol officers; purposes, methods and types of police patrol. Determination of patrol beats, areas and deployment.

### **POLICE ADMINISTRATION 103 (5-0-5). Criminal Law.**

The nature, sources and types of criminal law. The classification and analysis of crimes and criminal acts in general and the examination of selected specific criminal offenses.

### **POLICE ADMINISTRATION 104 (5-0-5). Criminal Evidence.**

Reviews law of arrest, search and seizure, rights and duties of officers and citizens and rules of evidence. General court procedures will be discussed.

### **POLICE ADMINISTRATION 201 (5-0-5). Police Administration.**

The contemporary law enforcement agency, its functions, structure and operational techniques; implications of generalized and specialized units. Principles of organizing, staffing, budgeting, controlling, coordinating, planning and research in law enforcement. Prerequisites: P.S. 101 and P.S. 102.

### **POLICE ADMINISTRATION 202 (5-0-5). Criminal Investigation.**

Introduction to criminal investigation procedures including theory of investigation, case preparation, interrogation, and special problems in criminal investigation.

### **POLICE ADMINISTRATION 203 (5-0-5). Introduction to Criminalistics.**

The scientific aspects of criminal investigation with emphasis upon crime scene recording, collection and preservation of evidence and the examination of evidence. Advanced criminalistics are discussed to the extent necessary to familiarize the student with the police science laboratory. Prerequisite: P.S. 202.

## **POLITICAL SCIENCE**

(See listing under Department of History and Political Science)

## **DEPARTMENT OF PSYCHOLOGY AND SOCIOLOGY**

Professor Worthington, Head;

Professor Thompson; Assistant Professor Coyle.

Students who intend to major in psychology should complete Psychology 101-102 before the end of their sophomore year. Students are strongly advised to complete as many of the general education requirements as possible before entering their junior year.

### **I. Major Field Requirements**

- A. All of the following: Psychology 102, 312, 410, 411, 412
- B. Three of the following: Psychology 307, 308, 309, 319
- C. Two of the following: Psychology 303, 305, 311

## II. Related Fields

- A. Biology 101, 102
- B. Mathematics 100, 135, 211
- C. Approved electives

### *Course Offerings*

## ANTHROPOLOGY

### ANTHROPOLOGY 201—Man and His Culture (5-0-5).

An introduction to the study of man as a cultural animal, the development of human societies from preliterate beginnings, the rise of complex social organizations with an outline study of the major cultures developed by man.

## PSYCHOLOGY

### PSYCHOLOGY 101—General Psychology (5-0-5).

An introduction to the vocabulary, concepts and methods of the science of behavior. Discussion and demonstrations assist in surveying all the areas of psychology. Psychology 101 is prerequisite to all other courses in the department.

PSYCHOLOGY 102—Advanced General Psychology (4-2-5). Prerequisite: Psychology 101.

An extension of Psychology 101. Further examination of the concepts introduced in Psychology 101. Experiments are designed to acquaint the student with the techniques of behavioral analysis.

PSYCHOLOGY 301 — Educational Psychology (5-0-5). Prerequisite: Psychology 101.

The application of behavioral science to the problem of learning in the classroom. Primarily for teacher preparation.

PSYCHOLOGY 303—Social Psychology (5-0-5). Prerequisite: Psychology 101.

The study of the behavior of others as determinants of the behavior of the individual. The cultural milieu and group pressures will be examined in terms of their effects on behavior.

PSYCHOLOGY 305—Developmental Psychology (5-0-5). Prerequisite: Psychology 101.

A study of the origin and development of psychological processes. The effects of maturational, learning and social variables on human behavior are examined.

PSYCHOLOGY 307—Experimental Psychology. I. Perception (4-2-5). Prerequisite: Psychology 101.

An experimental-theoretical approach to the nature of perception. Special attention is given to the psychophysical methods.

PSYCHOLOGY 308—Experimental Psychology II. Learning & Motivation (4-2-5). Prerequisite: Psychology 101.

An examination of the methodology and theory associated with the various forms of learning and their motivational concomitants.

PSYCHOLOGY 309—Experimental Psychology III. Comparative & Physiological Psychology (4-2-5). Prerequisite: Psychology 101 & Biology 101, 102.

Introduction to the biological bases of behavior. The structure and function of the nervous system are studied and related to the behavior of humans and other organisms.

PSYCHOLOGY 311—Theories of Personality (5-0-5). Prerequisite: Psychology 101.

A study of selected personality theories with emphasis on normal behavior. Attention will be given to both experimental and clinical data. The determinants of personality structure and the development of personality will be examined from divergent points of view.

PSYCHOLOGY 312—Measurement in Psychology (5-0-5). Prerequisite: Psychology 101 & Math 111.

An examination of the theory of measurement. Reliability and validity techniques are discussed using current psychological tests as examples.

PSYCHOLOGY 319—Animal Behavior (4-2-5). Prerequisite: Psychology 101.

A study of the adaptations and behaviors with which living organisms cope effectively with their environment. The laboratory will provide experience in animal care, training and experimentation.

PSYCHOLOGY 320—Industrial Psychology (5-0-5). Prerequisite: Psychology 101.

The applications of psychology to the problems of industry. Primarily for business majors.

PSYCHOLOGY 321—Educational Testing (5-0-5). Prerequisite: Psychology 101 or permission of the instructor.

An introduction to the design, use, interpretation and evaluation of tests for use in the classroom. Primarily for teacher preparation.

PSYCHOLOGY 410—History of Psychology (5-0-5). Open only to senior psychology majors or by invitation of the professor.

A study of the basic ideas in psychology from early animism to modern behavioristics. Special attention is given to the philosophical bases at various times in the history of psychology.

PSYCHOLOGY 411—Senior Seminar (5-0-5). Open only to senior psychology majors or by invitation of the professor.

A reading and discussion group which will concentrate on selected contemporary issues in psychology. Specific content will vary from year to year.

PSYCHOLOGY 412—Senior Seminar (5-0-5). Open only to senior psychology majors or by invitation of the professor.

A reading and discussion group which will concentrate on selected contemporary issues in psychology. Specific content will vary from year to year.

PSYCHOLOGY 450—Independent Study (1-5)-0-(1-5). Open only by invitation of the professor.

## **SOCIOLOGY**

**SOCIOLOGY 201**—Introductory Sociology (5-0-5).

An introduction to the concepts and methods of the science of human group behavior. Includes the study of socialization, the role of the individual in society and the major institutions and processes.

**SOCIOLOGY 350**—Social Problems (5-0-5). Prerequisite: Soc. 201.

An examination of behavioral deviancy and social disorganization in the context of sociological theory.

**SOCIOLOGY 351**—Population and Problems (5-0-5). Prerequisite: Sociology 201.

A study of the methods of population analysis and the factors involved in population change.

## **SPANISH**

(See listing under Department of Foreign Languages)

## **SPEECH**

(See listing under Department of English and Speech)

## **ZOOLOGY**

(See listing under Department of Biology)

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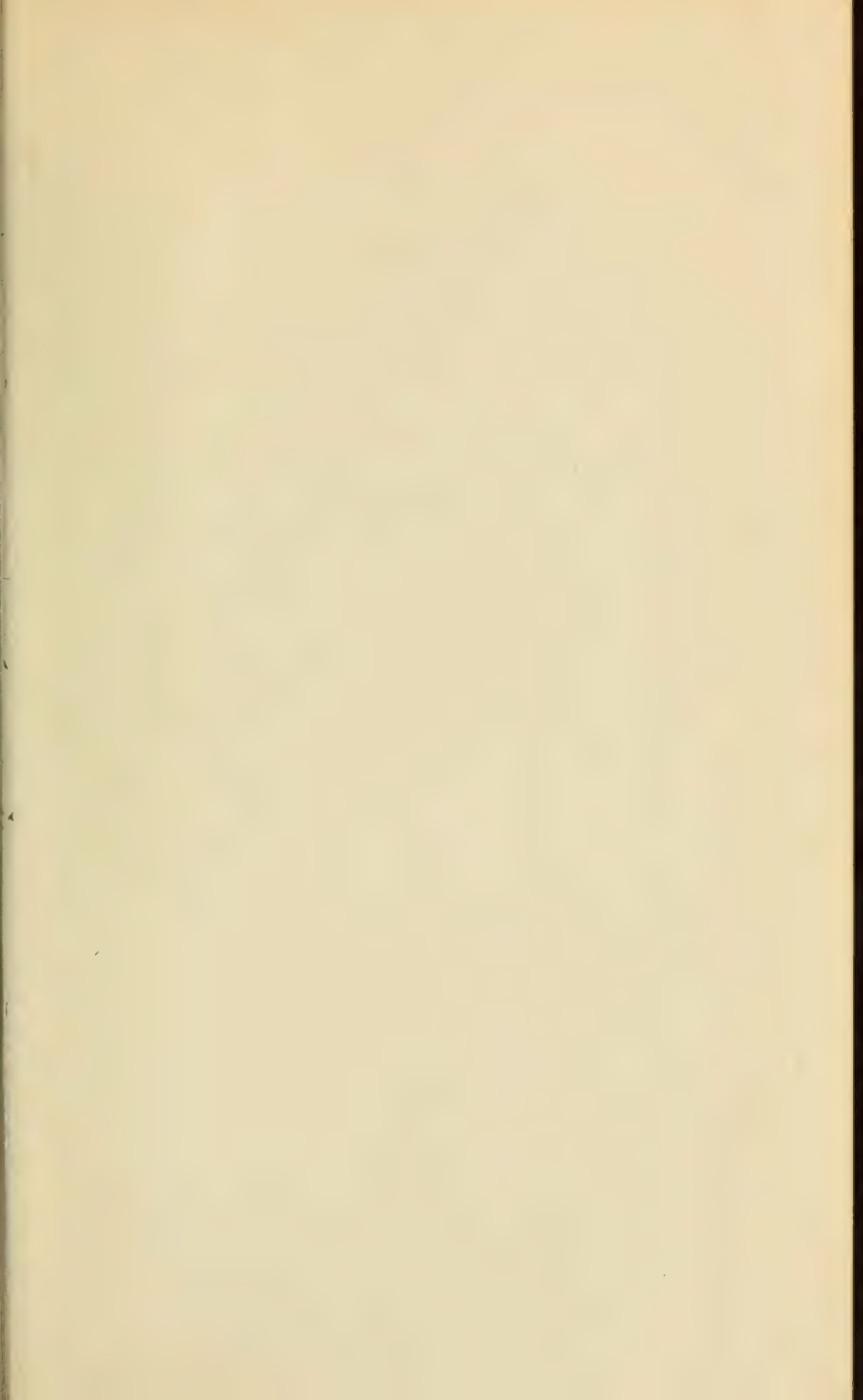


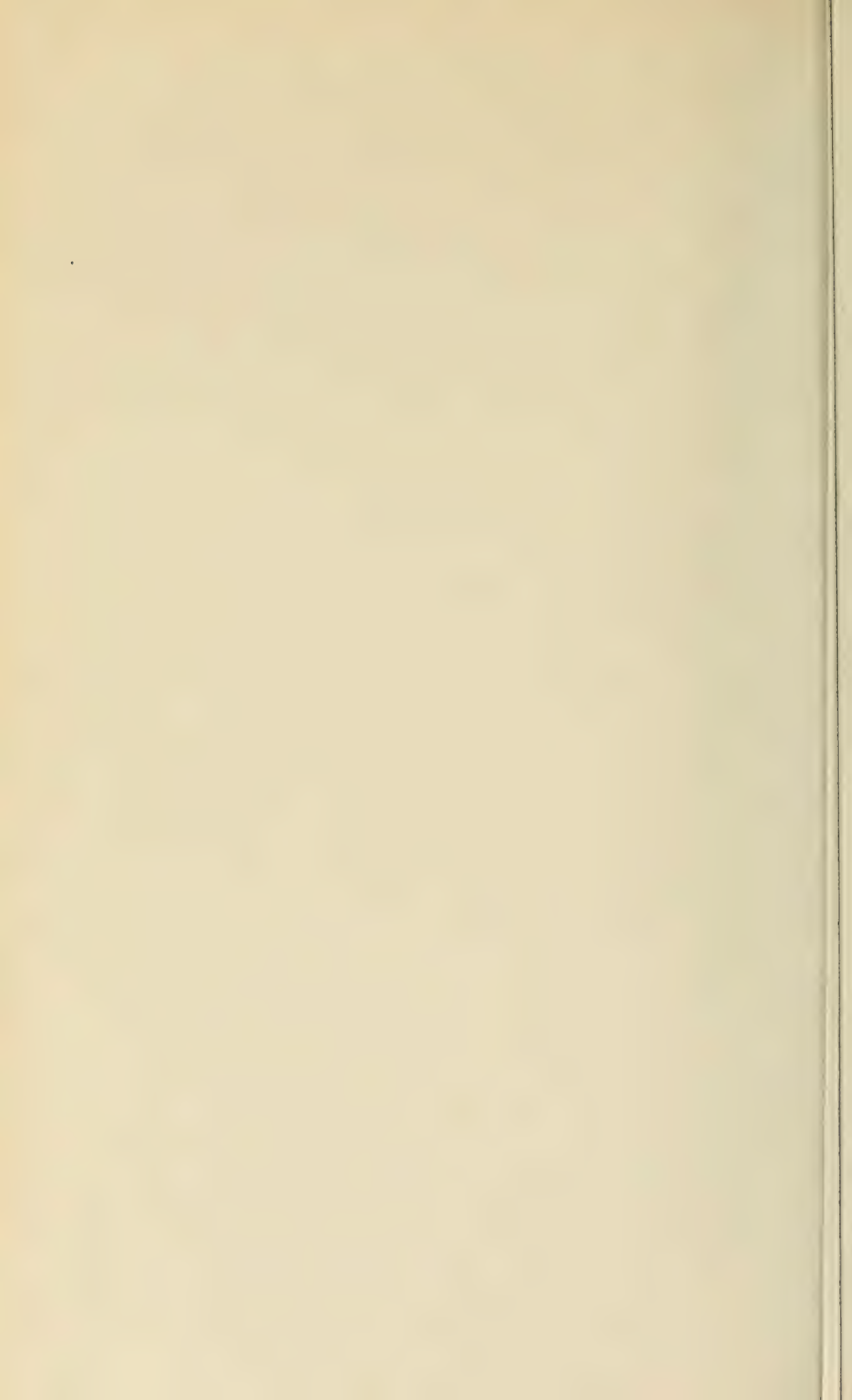
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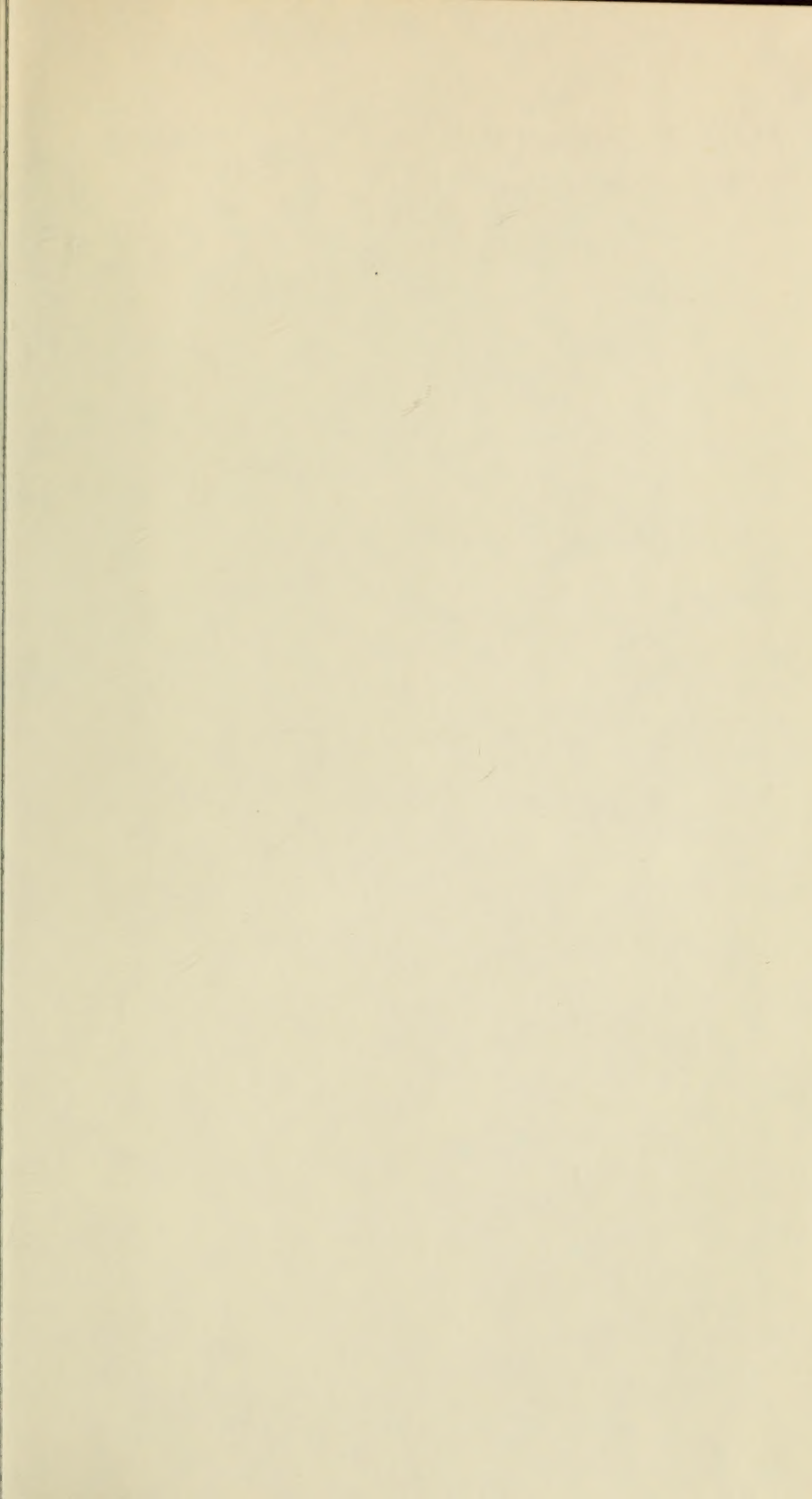
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**FOR REFERENCE**

**Do Not Take From This Room**



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**Do Not Take From This Room**

