

WEST CHESTER STATE COLLEGE BULLETIN

undergraduate studies

68-69



West Chester, Pennsylvania

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The provisions of this bulletin are not to be regarded as an irrevocable contract between the student and the College. West Chester State College reserves the right to change any provisions or requirements at any time within the student's term of residence.

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FALL SEMESTER, 1968

Thursday, August 1	Last day to qualify for admission
Friday, September 6	Faculty and staff meetings
Saturday, September 7	Registration for freshmen and all full-time transfer,
Monday, September 9	Registration for all part-time and graduate students special, and readmission students
Tuesday, September 10	Registration for sophomores and seniors
Wednesday, September 11	Registration for juniors
Thursday, September 12	Classes begin
Tuesday, November 26	Thanksgiving recess begins — close of classes
Monday, December 2	Chester County Institute
Monday, December 2	Thanksgiving recess ends 4:00 p.m. — for part-time and graduate evening-class students
Tuesday, December 3	Thanksgiving recess ends — 7:30 a.m. for full-time undergraduate students
Saturday, December 21 (1969)	Christmas recess begins — close of classes
Monday, January 6	Christmas recess ends — 7:30 a.m.
Thursday, January 16	Final examinations begin (end January 24)
Friday, January 24	Fall semester ends

SPRING SEMESTER 1969

Monday, Dec. 16 (1968)	Last day to qualify for admission
Saturday, January 25	Registration for all part-time and graduate students
Tuesday, January 28	Registration for freshmen and all full-time transfer, special, and readmission students
Wednesday, January 29	Registration for sophomores and seniors
Thursday, January 30	Registration for juniors
Friday, January 31	Classes begin for full-time undergraduate students
Monday, February 3	Classes begin for part-time and graduate students in evening classes
Saturday, March 15	Spring recess begins — close of classes
Monday, March 24	Spring recess ends — 7:30 a.m.
Thursday, April 3	Easter recess begins — close of classes
Tuesday, April 8	Easter recess ends — 7:30 a.m.
Thursday, May 15	Final examinations begin (end May 23)
Saturday, May 24	Alumni Day
Sunday, May 25	Commencement

SUMMER SESSION 1969

June 2 — June 20	Pre Session
June 23 — August 1	Regular Session
August 4 — August 22	Post Session

FALL SEMESTER 1969

Friday, August	1	Last day to qualify for admission
Friday, September	5	Faculty and staff meetings
Saturday, September	6	Registration for all part-time and graduate students
Monday, September	8	Registration for freshmen and all full-time transfer, special, and readmission students
Tuesday, September	9	Registration for sophomores and seniors
Wednesday, September	10	Registration for juniors
Thursday, September	11	Classes begin
Tuesday, November	25	Thanksgiving recess begins — close of classes
Monday, December	1	Chester County Institute
Monday, December	1	Thanksgiving recess ends 4:00 p.m. — for part-time and graduate evening-class students.
Tuesday, December	2	Thanksgiving recess ends 7:30 a.m. — for undergraduate (full-time) students
Saturday, December	20	Christmas recess begins — close of classes
	(1970)	
Monday, January	5	Christmas recess ends — 7:30 a.m.
Monday, January	12	Final examinations (continuing through January 20)
Tuesday, January	20	Fall semester ends

SPRING SEMESTER 1970

Monday, Dec. 15	(1969)	Last day to qualify for admission
Saturday, January	24	Registration for all part-time and graduate students
Monday, January	26	Classes begin for part-time and graduate students
Monday, January	26	Registration for freshmen and all full-time transfer, special, and readmission students
Tuesday, January	27	Registration for sophomores and seniors
Wednesday, January	28	Registration for juniors
Thursday, January	29	Classes begin for undergraduate students
Saturday, March	21	Spring-Easter recess begins — close of classes
Tuesday, March	31	Spring-Easter recess ends — 7:30 a.m.
Thursday, May	14	Final examinations begin (end May 22)
Saturday, May	23	Alumni Day
Sunday, May	24	Commencement

SUMMER SESSION 1970

June	1 — June 19	Pre Session
June	22 — July 31	Regular Session
August	3 — August 21	Post Session

Note: The College reserves the right to change the Academic Calendar if deemed necessary.

I NTRODUCING WEST CHESTER

WEST CHESTER'S HISTORY

SINCE 1812, an educational institution bearing the name of West Chester and devoted to the training of teachers has been in existence. Initially, the school was known as West Chester Academy. Classed by the Commonwealth as a "state-aided County Academy," it was non-sectarian, privately owned, and, in the assessment of James Pyle Wickersham, the 19th century educator, "for more than fifty years one of the leading schools of its class in eastern Pennsylvania."

In 1869, under encouragement from the Commonwealth, the Academy was closed and its properties sold, to make way for a district normal school. Funds from the sale helped finance the West Chester State Normal School which, in September, 1871, admitted 160 charter students to its new building (with wings added, it is Old Main today). The school continued as a privately owned but state-certified institution until 1913 when it became the first of the Pennsylvania normal schools to be owned outright by the Commonwealth.

In 1927, Pennsylvania established a four-year program of teacher training and renamed the school West Chester State Teachers College. The Legislature paved the way for an even broader program on January 8, 1960. At that time, the College acquired its present name.

WEST CHESTER STATE COLLEGE TODAY

West Chester today is a multi-purpose institution offering the B.S., the B.A., the B.Mus., and the M.Ed. degrees. Its objectives are to prepare teachers for the public schools of Pennsylvania and to provide a liberal arts educa-

tion for the youth of the State. The B.S. degree is offered in four basic curricula — elementary, secondary, music education, and health and physical education. Degree curricula for public school nurses and dental hygienists are also provided. The College has a program of courses designed to meet certification requirements in the field of safety education and in the Special Education fields training for the teaching of mentally retarded and physically handicapped children.

West Chester also maintains an extensive two-track program for teachers-in-service. One phase is composed of late-afternoon, evening, and Saturday courses for those desiring to satisfy various professional needs, including certification requirements. The second is a graduate program leading to the Master of Education degree in a number of fields.* Graduate study toward the M.Ed. degree may be pursued on a full-time basis during the fall and spring semesters and summer sessions.

The College was officially approved by the State Council of Education for the purpose of offering a liberal arts program, effective September, 1962. The four-year program now leads to a Bachelor of Arts degree in humanities, social sciences, sciences, mathematics, and music, and to a Bachelor of Music.

The continued growth and improvement of the College's curricular offerings is an ongoing concern of the Administration and the faculty. Under the leadership of the Dean of Faculty and Academic Affairs and the Academic Affairs Council, periodic evaluations are made, with emphasis on both subject matter content and methods of teaching. Special ad hoc committees make continuous study of a broad range of curricular problems and report their findings and recommendations to the faculty and the Administration.

The various programs at West Chester are comprehensive and designed to satisfy the intellectual, physical, and spiritual needs of all students. A wide span of extracurricular activities affords each student opportunities to mingle purposefully with his fellow students and his faculty, and to seek the fullest expression of his talents and capacities.

* Elementary education, health and physical education, music education, English, French, German, Latin, Spanish, biology, chemistry, geography, guidance and counseling, mathematics, physical science, physics, and social sciences. A certification program in audio-visual education (instructional media specialist) is also offered and a degree program in this field is pending Department of Public Instruction approval.

LOCATION OF THE COLLEGE

West Chester State College is situated in West Chester, the county seat of Chester County, Pennsylvania. A town of great charm and character, West Chester has a population of 16,000. Although it is part of the growing suburban area of greater Philadelphia, it cherishes its unique historic traditions and heritage, tracing back to the years when William Penn established his Colony. West Chester, and Chester County as well, continue to reflect the grace of an early culture deeply influenced by the Society of Friends.

Within a short distance from the campus are the famed Longwood Gardens, Valley Forge, and the Brandywine battlefield. Philadelphia, 25 miles to the east, and Wilmington, Delaware, 15 miles to the south, are accessible by train, bus, or car. The West Chester Pike (Route 3) approaches West Chester directly from Philadelphia. From the Downingtown Interchange of the Pennsylvania Turnpike, West Chester is a distance of nine miles by way of Route 100 South, which, within the community of West Chester, is High Street, the eastern boundary of the campus. Those using public transportation may connect with Red Arrow buses at the 69th Street terminal in Philadelphia or with Short Line buses at the Paoli station of the Penn Central railroad.

CAMPUS EXPANSION

West Chester is a changing and growing college. Its twelve-year expansion program, developed within the framework of the 1960-1972 Comprehensive Plan for West Chester State College, involves an estimated expenditure of \$45,000,000. When it is completed, West Chester will be a transformed institution contained in two major areas: North Campus and South Campus.

The transformation is not merely a matter of increased classrooms and living quarters, though the promise of accommodations for some 5,600 full-time students is consequential. The larger significance is that West Chester will have the laboratories, designs, flexibility, and teaching tools of the electronic age, needed as science and education together move toward the next century.

A number of the elements conceived under the Comprehensive Plan have been completed and are serving West Chester well today. They include the first phase of Schmucker Science Center, with its excellent

setting for the teaching of the biological sciences; the new Francis Harvey Green Library, which has vastly enhanced the campus; Lawrence Hall (a dining and student-services facility); three new high-rise dormitories for women; modern additions to Anderson Hall; and the water pedisphere essential to the new dormitories. The second phase of Schmucker Science Center, providing chemistry and physics laboratories, graduate research areas, a planetarium, and an astronomical laboratory, will be ready for students in the fall of 1968.

By the end of 1969, the College expects the following major centers, buildings, and facilities to be completed: The Learning Research Center, the Health and Physical Education Center, new athletic fields and a stadium, the Fine Arts Building, three additional high-rise dormitories, and a maintenance building.

FRANCIS HARVEY GREEN LIBRARY

West Chester students enjoy the space, beauty, conveniences, and modern equipment of the new Francis Harvey Green Library. Opened in the fall of 1966, the handsome contemporary building provides a setting highly conducive to study and research. Fronting on the quadrangle, it is adjacent to the old library, which continues in use, serving various purposes.

In addition to a collection of approximately 160,000 volumes, the Francis Harvey Green Library has an enviable collection of microfilm and microfiche and subscribes to more than 1,900 periodicals and newspapers. The library's curriculum laboratory houses an extensive collection of courses of study and textbooks as well as a wide variety of audio-visual materials. West Chester's library also has the four folios of Shakespeare's plays (1623-1685), and the Sanderson *Biographies of the Signers of the Declaration of Independence*, with autographs of the signers. Its collection of sheet music, scores, and records is housed in Swope Hall. The library is affiliated with the Union Library Catalogue of the Philadelphia Area.

THE BUREAU OF EDUCATIONAL MEDIA SERVICES

The College Educational Media Bureau provides assistance for instructional personnel who are planning and producing educational media used in their courses. The Bureau supplies the campus with audio-

visual equipment such as motion pictures and film strips, projectors, tape recorders, record players, etc. The Bureau also houses the College Film Library, and provides procuring services for film and other materials from outside sources.

The closed-circuit television system is operated by the Bureau, and segments of appropriate courses are taught by television. Another service of the Bureau is production in the areas of motion pictures and still photography, recording, duplicating, and overhead transparencies.

THE DELAWARE-CHESTER REGIONAL INSTRUCTIONAL MATERIALS CENTER

The Delaware-Chester Regional Instructional Materials Center is housed on the College campus. The Center — the first of such joint regional centers to be formed in Pennsylvania under a State-supervised plan — has nearly 3,700 films dealing with many fields of elementary and secondary education. Membership is limited to the Delaware and Chester County public schools, who pay on a per-pupil basis. Thirty school districts, with a total enrollment of more than 101,000, belong. College faculty and student teachers may make use of the Center's facilities.

BUREAU OF RESEARCH AND RELATED SERVICES

The function of the Bureau of Research and Related Services is to foster the development of basic, applied, and institutional research and to provide facilities for the tabulation and analysis of research data. The research function of the Bureau encompasses studies initiated by faculty and administrative staff of the College as well as cooperative endeavors carried on under the joint sponsorship of the College and various external educational agencies and foundations. The Bureau also maintains a computer center in Anderson Hall.

Data processing services include the tabulation and summarization of information essential to the operation of the various administrative divisions of the College and the statistical treatment and computer analysis of experimental data obtained from faculty and student research activities. The Mathematics Department periodically offers courses in the computer science area.

THE EDUCATIONAL DEVELOPMENT CENTER

The Educational Development Center is maintained on the campus of West Chester State College, with a cooperating office on the campus of Cheyney State College. Its purpose is to serve public, private, and parochial schools and agencies, and public and private teacher education colleges within Bucks, Chester, Delaware, and Montgomery Counties. The Center is part of a state-wide network of education improvement agencies established by the Department of Public Instruction, Commonwealth of Pennsylvania, to encourage regional cooperation as a means of improved education.

Its services include (1) publication of *Curriculum Highlights*, a newsletter, (2) sponsorship of educational seminars, and (3) assistance to local schools and communities in securing grants and conducting programs under Title III of the Elementary and Secondary Education Act, Title III of the National Defense Education Act, and Title I of the Elementary and Secondary Education Act. Participation by educational agencies is on a voluntary basis. The Center was established in 1965 as a replacement of the former Curriculum Area Nine. Its program is directed by an Area Curriculum Coordinator on each of the two state college campuses.

THE SPEECH AND HEARING CLINIC

The Speech and Hearing Clinic of West Chester State College provides evaluation and therapy for children with speech and hearing handicaps from the Borough of West Chester and the surrounding areas. The clinic also serves as a speech improvement center for those college students who need help in meeting minimal speech standards. Both children and students may avail themselves of the center's services at no charge. The Department of Speech and Theatre conducts the clinic, located at 620 South High Street.

STUDY IN EUROPE

West Chester offers two study experiences which take place in Europe. The Junior Year Abroad Program, sponsored by the College, permits prospective teachers of French to spend two of their undergraduate

semesters at the University of Montpellier in France. The program is described in detail under the Department of Foreign Languages.

The second overseas-study project is an annual European summer tour conducted by the Division of Social Sciences. The tour includes seminars and lectures along the route, which crosses through the past and present of some ten European countries in the course of visiting museums, galleries, and cathedrals, and attending operas, music festivals, and other cultural events. Six credits in history, the social sciences, or the humanities may be earned during the six-week tour, which is open to all college students and graduates, in-service teachers particularly. A faculty member from the Division is always in charge.

A DMISSION TO WEST CHESTER

ADMISSION TO WEST CHESTER STATE COLLEGE is generally based upon the satisfactory completion of the college preparatory program in the secondary schools. In exceptional circumstances an outstanding student may enter from another curriculum, but in order to compensate for certain gaps in his academic background he will have a heavy and demanding program of study. Before accepting him, the College will require evidence of superior scholarship and capabilities.

No more than five per cent of each freshman class at West Chester may be composed of out-of-state students. They are chosen on a highly selective basis. In addition to meeting the College's requirements they must have special abilities, particularly in fields where the demand for teachers is acute and in certain professions and industries where college-trained personnel is urgently needed.

The student who has decided to explore the College is invited to visit the campus, talk with West Chester students, and meet faculty members.

Once he has embarked upon the admissions procedure at West Chester he ought to approach his conferences comfortably, knowing that they are a mutual exploration. Finally, he should understand that the College's decision on his candidacy is not a rigid and impersonal matter but a thoughtful equating of records, tests, and personal judgments.

West Chester welcomes qualified students, faculty, and staff from all racial, religious, ethnic, and socio-economic backgrounds.

SECONDARY SCHOOL REQUIREMENTS

The candidate must furnish evidence of graduation, with satisfactory scholarship, from an approved secondary school. In cases where the

student has attended a non-accredited school, or his preparation has been unusual in some other way, the College will submit his credentials to the Credentials Evaluation Division of the Pennsylvania Department of Public Instruction, which will determine whether they are acceptable.

COLLEGE BOARD EXAMINATIONS

Required. Every candidate must take the College Entrance Examination Board's Scholastic Aptitude Test (SAT) and its English Composition Achievement Test.

Those seeking admission to the secondary education curriculum are also required to take the achievement test related to their intended major field. If that field is English, and if they have had a foreign language, they must take the foreign language achievement test.

Applicants for an arts and sciences program are required to take the achievement test related to their major field and, if they have had a foreign language, to take the achievement test in that language.

Candidates for the Bachelor of Arts program in the School of Music must also take a foreign language achievement test, provided they have studied a foreign language.

Recommended. Candidates for all other curricula are urged to take one achievement test of their choice in addition to the required English test.

Provisional Approval. Students with satisfactory scores on the Scholastic Aptitude Test may be provisionally approved for admission, with the understanding that their subsequent achievement test scores must be adequate.

Policies for Unusual Scores. Students with conspicuously high English Composition Achievement Test scores may be exempted from the first required course in English composition their freshman year. Conversely, applicants with low scores in the English test will have to take a remedial English course, either in the summer session preceding their freshman year or during their first freshman semester.

Arranging for Tests. Application forms and such pertinent information as "time and place" are supplied by school guidance counselors, or may be obtained from the College Entrance Examination Board, P. O. Box 592, Princeton, New Jersey 08540.

When Tests are Given. College Board Examinations are offered in December, January, March, May, and July, but applicants who take the

Scholastic Aptitude Test no later than January will be given preference for September admission. Achievement tests in the fields of English, languages, mathematics, and social science should be taken in December, January, or March. Achievement tests in such one-year subjects as chemistry and physics may be taken in May.

Submitting Scores to West Chester. The scores must be sent directly to the Admissions Office by the College Entrance Examination Board. In all cases, junior or senior year scores will be accepted.

REQUIRED REFERENCES

Health. The College requires evidence from the student's physician that the applicant is in good physical condition. Forms for the necessary health examination are supplied by the College at the proper time.

If an applicant has physical or health handicaps so major as to prevent him from pursuing his studies independently and competently, the College may conclude that West Chester is not the suitable place for him to undertake college work.

Character. A written evaluation of the applicant must be included with the transcript. The evaluation may come from the principal, a guidance staff member, or another school official, and should appraise the student's character, personality, interests, abilities within the school community, and his promise of development.

REQUIRED INTERVIEWS AND CONFERENCES

Before making a favorable decision upon an application, the College asks the student to come for either an interview or a general admissions conference.

CITIZENSHIP REQUIREMENT FOR TEACHERS

To be eligible for a teacher's certificate in Pennsylvania, a student must be a citizen of the United States.

ADDITIONAL REQUIREMENTS AND RECOMMENDATIONS IN SPECIFIC FIELDS

Foreign Languages. Although previous study in foreign languages is not required, the College views it as highly desirable for those who intend to teach in the fields of foreign languages or English and for those pursuing an arts and sciences program.

Mathematics. Students intending to elect mathematics as their concentration must present three secondary units of mathematics, algebra and plane geometry among them.

Health and Physical Education. See School of Health and Physical Education for its additional admissions requirements.

Music. See School of Music for its additional admissions requirements.

HOW AND WHEN TO APPLY FOR ADMISSION

Candidates may obtain forms and instructions by sending the request for application forms found at the back of this catalog to the Director of Admissions.

Candidates for the fall semester are urged to initiate the application procedure immediately after completing their junior year of secondary school. Facilities permitting, the Director of Admissions will accept applications throughout the winter and spring of the year in which admission is desired.

Candidates for the spring semester should submit the request by November 1. They must take their required College Board tests no later than July.

Out-of-state students should write to the Admissions Office, giving the reasons for their interest in West Chester, their desired field of study, and their scholastic and College Board achievements.

Fees. Information pertaining to required fees may be found in the section entitled Expenses.

Last Day for Admission of New Freshmen. All application procedures must be completed and in the Admissions Office by August 1 for a fall semester or December 15 for a spring semester. If enrollment quotas become filled before these dates, admissions will be closed.

Notice of Decisions. All candidates will hear from the Director of Admissions as soon as possible after decisions on their applications are reached. The secondary schools of those seeking admission as freshmen will also be notified.

READMISSION OF FORMER STUDENTS

Students who have withdrawn from West Chester for acceptable reasons may ask the Admissions Office for an application for readmission. Those who have attended any institutions of higher learning since leaving West

Chester must request those institutions to forward transcripts of their records to the Admissions Office.

Students who intend to enroll in student teaching in the first semester of their readmission must file an application for student teaching with the Director of Student Teaching at least four months before the date of their expected readmission.

Students who were dismissed or asked to withdraw for academic reasons, and those who withdrew from the College with a scholastic index less than required for their classification, will not be considered for readmission as full-time students for at least one academic semester, and then only if their scholastic index has been raised by attendance at evening school or summer school at West Chester to that required for their classification.

Readmission to West Chester as a degree candidate is not possible if the student has been permanently (i.e., twice) dismissed because of academic failure.

All readmission applications must be filed not later than August 1 for the fall semester or December 15 for the spring semester. If enrollment quotas become filled before these dates, admissions will be closed.

(Students seeking readmission are advised to consult carefully the following section of this catalogue, entitled Academic Information.)

ADMISSION OF COLLEGE GRADUATES SEEKING TEACHING CERTIFICATES

Graduates of other colleges who wish to complete the requirements for a teacher's certificate may apply for admission as special students. Application forms and information may be secured from the Director of Admissions. Applications and credentials must be filed by August 1 for the fall semester and December 15 for the spring semester. Admissions will be closed prior to these dates if enrollment quotas become filled.

College graduates seeking teaching certification at West Chester must apply for student teaching immediately after receiving a letter of admission. Approval for student teaching will depend upon the satisfactory completion of the prerequisite professional education courses. Only those who apply early will have a student teaching station reserved. Student teaching application forms may be secured from the Director of Student Teaching and Intern Programs.

ADMISSION OF TRANSFER STUDENTS

Students who have previously been enrolled in any institution of collegiate rank, regardless of how long, are classified as transfer students. A cumulative grade point average of 2.00 or higher is required for their admission to West Chester.

No more than five per cent of the College's transfer enrollment may be students who are not legal residents of Pennsylvania. Out-of-state students will be chosen selectively, on the basis of special abilities and in the light of particular needs for teachers in certain fields and for college-trained personnel in various professions and industries.

The last day to qualify for admission to the fall semester is August 1 and for the spring semester, December 15. If quotas are filled prior to those dates, enrollment will be closed earlier. Actually, September quotas are usually reached in May.

An applicant must file transfer application forms, obtainable from the Admissions Office, and must also see that the Director of Admissions receives the following material:

(1) An official transcript of record from each institution attended. To be acceptable, this must show honorable dismissal. If a preliminary (incomplete) transcript is submitted, it is the student's responsibility to have a completed transcript filed later.

(2) A letter of recommendation from the Dean of Men (for men) or the Dean of Women (for women) of the last college attended full-time. To qualify the student for admission, the letter must state that the student's disciplinary record was entirely satisfactory.

(3) Two letters of recommendation from persons (not relatives) who have known the applicant well in his home community.

(4) A letter from the applicant, explaining frankly and fully his reasons for wishing to transfer to West Chester.

(5) Students with less than two semesters of college experience (less than 30 semester hours of credit) must supply College Board Scholastic Aptitude Test scores. These must meet the College's minimum for the curriculum concerned.

It is the applicant's responsibility to ask the Admissions Office for an appointment for the required interview, after an application, including either a preliminary or final transcript, is on file.

Students enrolled in other institutions during the fall semester, and applying for admission the following spring semester, must supply mid-term grades for the semester in progress.

Admission of qualified transfer students is subject to the availability of a place in the classes to which they should be assigned. Students other than commuting students will be approved only if residence facilities are available.

(Students seeking admission as transfer students are advised to consult also the section entitled Academic Information).

ADVANCED CREDIT REQUIREMENT

Advanced credit may be granted for equivalent courses completed in *accredited* institutions of collegiate grade.

Credit will not be transferred if the course grade is the lowest passing grade of the institution assigning it. If D is the lowest passing mark, courses so marked will not be accepted. If numerical marking is used, courses will be accepted when the grade is ten or more points above the passing mark.

Applicants from collegiate institutions (including community colleges and junior colleges) which are *not accredited* by one of the six Regional Associations in the United States will be considered for admission under the following regulations:

(1) An applicant's cumulative grade point average must be 2.00 (C) or better and, in the cases of community and junior colleges, must meet their recommended mark for transfer.

(2) The evaluation of *academic* courses listed on transcripts from an institution not accredited by one of the six Regional Associations will be made in accordance with the recommendations of the American Association of Collegiate Registrars and Admissions Officers in their *Report of Credit Given by Educational Institutions*. Thus, if the *Report* recommends that an institution's credits be recognized for transfer, West Chester will accept them for equivalent courses, provided the grades earned are C or better.

(3) The evaluation of courses applying to the special areas of health and physical education and music will be made by the respective Schools in accordance with their established policy, as follows:

Health and Physical Education. Under the provisions of the national professional association, all colleges offering health, physical education, and recreation have reciprocal transfer relationships. Thus, a student wishing to transfer in health and physical education will receive transfer credits in the major field in

terms of major courses satisfactorily passed (C or better) at a college accredited by the National Council for Accreditation of Teacher Education and the American Association for Health, Physical Education, and Recreation. Academic courses will be evaluated as stated in 2, above.

Music. Credit will be allowed only on the basis of music tests for music courses. Academic courses will be evaluated as stated in 2, above.

(4) Not more than two years of work (64 hours of credit) will be allowed for courses taken at a community college or junior college.

(5) Applicants must submit scores for the College Board Scholastic Aptitude Test which meet the minimum established by the College for the curriculum concerned.

(6) The West Chester State College graduation requirements in effect at the time of admission will apply to transfer students unless they do not graduate within four years of enrollment. In such an instance, the Staff Dean for Undergraduate Studies may make course substitutions which he deems acceptable for degree requirements.

(7) Applicants shall complete the approved transfer procedure for applying for admission.

West Chester does not allow credit for courses taken through correspondence.

PRE-ADMISSION POLICY

Not more than nine semester hours of course work may be completed at West Chester prior to formal admission to a program. A minimum cumulative grade point average of 2.00 must be earned in the pre-admission courses in order to qualify for admission to a program.

The College requires a transcript showing graduation from an approved secondary school, or equivalent preparation as approved by the Pennsylvania Department of Public Instruction.

The student must apply for admission in the Admissions Office. When accepted, an applicant is given a letter of admission. This is his authority to register. Registration shall be completed under the instruction of the Staff Dean for Undergraduate Studies.

ACCEPTANCE OF AN OFFER OF ADMISSION

Each applicant who accepts an offer of admission to the College must sign an acceptance form which includes the following statement: "I hereby submit myself to the jurisdiction of the College and agree to be governed by the rules and regulations of the College now existing or to be adopted during the period in which I am enrolled as a student."

POLICY ON EARLY ADMISSIONS

Under the early admissions policy, certain highly qualified students may enter West Chester as freshmen upon completing their junior year of secondary school. The policy is designed to let students with high academic achievement and unusually mature personal development undertake a college program when it is evident that they will benefit more from it than from the senior year in secondary school. In determining whether a student is ready for the college program and the college community without the senior year in secondary school, the College carefully evaluates a number of factors beyond the attainment of high grades.

Academic Qualifications. The student must rank in the upper five per cent of his class in an accredited secondary school. He must have pursued the college preparatory program and carried five major academic subjects for the ninth, tenth, and eleventh grades. His College Board Examination scores need to be a minimum of 600 and to include two elective achievement tests in addition to SAT and the English Composition test.

Recommendations and Interviews. Exhaustive recommendations from his faculty are essential, as are several pertinent interviews at the College.

Students whose records indicate that they might qualify for early admission are advised to write to the Director of Admissions for additional information. The closing date for application is June 1.

A CADEMIC INFORMATION

THE ACADEMIC PROGRAM AT WEST CHESTER is developed under a committee process which reaches deeply through the faculty. Curricula, policies, and regulations are determined by the Academic Affairs Council with the approval of the Administration and, where necessary, the Board of Trustees. Stemming from the Council are subsidiary bodies — among them the Academic Standards Committee, the Graduate Council, and the Teacher Education Council — whose recommendations in specific areas serve the Council.

Under West Chester's advisory program every student works with a faculty adviser from the student's field. In the freshman year, the adviser is assigned. In following undergraduate years, the student may select the faculty member to whom he will turn for advice on academic matters. Advisers maintain close relations with the staff of the Guidance and Counseling Center.

ACADEMIC CLASSIFICATION OF STUDENTS

The student's class designation is determined by the number of semester hours of credit earned, thus:

<i>Freshmen</i>	31 semester hours of credit or less
<i>Sophomores</i>	32-63 s.h. of credit (inclusive)
<i>Juniors</i>	64-95 s.h. of credit (inclusive)
<i>Seniors</i>	96 or more s.h. of credit

CLASSIFICATION BY COLLEGE PROGRAM

Students are also classified by program, as follows:

Regular Student — all undergraduates admitted to a regular degree program.

Special Student — students pursuing one of the following types of programs which will comprise twelve or more semester hours of credit upon completion:

- a. Cooperative degree program for public school nurses;
- b. Cooperative degree program for dental hygienists;
- c. Certification program for college graduates seeking teaching certificates.

Unclassified — all other students in a non-degree program.

GRADING SYSTEM

The College employs the following grading system:

<i>Grade</i>	<i>Interpretation</i>	<i>Percentage Equivalents</i>	<i>Quality Points</i>
A	Excellent	A = 90 - 100	4
B	Superior	B = 80 - 89	3
C	Average	C = 70 - 79	2
D	Below Average	D = 60 - 69	1
E	Failure with Re-examination Privilege		
F	Failure	F = 59 or lower	0
I	Incomplete		
WF	Withdrew Failing	F = 59 or lower	0
WP	Withdrew Passing		
W	Withdrew		
Aud	Audit		

Explanation of I and E Marks: a rating of I (Incomplete) is given when there are valid reasons (such as serious illness or death in the family) for a student's failure to complete course requirements by the end of a semester. Unless the work is satisfactorily completed within the first nine weeks of the next semester the I becomes an F.

An instructor may give an E (Re-examination Privilege) when he considers the margin of failure so narrow as to warrant a second try. If the student does not take the re-examination within the first nine weeks of the next semester (or fails again) the E becomes an F. The grade may never be higher than D.

SCHOLASTIC INDEX

The scholastic index (academic average) is determined by dividing the total quality points by the total credit hours. The following example will illustrate:

	<i>Semester Hours</i>	<i>Grade</i>	<i>Quality Points for Grade</i>		<i>Quality Points for Course</i>
1st subject	3	A	4	4 x 3 =	12
2nd subject	3	B	3	3 x 3 =	9
3rd subject	2	C	2	2 x 2 =	4
4th subject	3	D	1	1 x 3 =	3
5th subject	2	F	0	0 x 2 =	0
	<hr/>				<hr/>
	13				28
	$28 \div 13 = \text{Scholastic Index } 2.15$				

All grades received during a student's enrollment are included in the over-all scholastic index. Grades from other colleges are excluded.

MAINTENANCE OF MINIMUM STANDARDS

All students should strive to maintain the best possible scholastic index. A 2.00 (C) index is the minimum standard which can be considered acceptable academic work. Students failing to maintain a 2.00 index are automatically considered probationary students.

More specifically, students must attain the following scholastic indices in order to remain in the College:

- a. Students with 0 to 32 credits must attain 1.60
- b. Students with 33 to 63 credits must attain 1.60
- c. Students with 64 to 95 credits must attain 1.80
- d. Students with 96 or more credits 2.00

A minimum scholastic index of 2.00 (C) for all work taken at the College is required for senior standing and graduation.

Transfer students are required to maintain the scholastic indices indicated above. The number of credits taken at West Chester is added to the number of credits transferred in, for the purpose of determining the credit hours attempted. For example, 34 credits transferred in and 32 credits at the College equal 66 credits and require a minimum index of 1.80.

ACADEMIC DISMISSAL

If a student does not attain the required scholastic index by the end of the spring semester, he may attend summer sessions at West Chester in order to improve his academic average. If he does not attain the required scholastic index by the end of the Regular Summer Session, he is dismissed from the College.

After his first academic dismissal from West Chester, he may apply for readmission as described below. A second academic dismissal automatically terminates his degree candidacy at West Chester. All courses taken as a non-degree student, following termination of degree candidacy for the second dismissal, shall not be included in his grade-point average nor imply the right to readmission to the College.

NOTICES OF ACADEMIC PROBATION AND ACADEMIC DISMISSAL

The Chairman of the Academic Standards Committee will send notices concerning academic probation and academic dismissal to the following: parents, Deans of Schools, Directors of Divisions, the Dean of Men (or) Dean of Women, the Office of Business Affairs, the Intracollegiate Governmental Association, the Dean of Student Affairs, the Registrar, and Data Processing.

REPEATING COURSES

A student must repeat any *required* courses in which he earned grades of F at West Chester. He *may* repeat any course for which an F or D grade is received. The repeat grade will stand as the final grade for graduation, but the original grade will not be erased from the student's permanent record and will be computed into the scholastic index. Repeated courses for which D and F grades were received must be taken at West Chester.

READMISSION

Readmission to West Chester as a degree candidate is not possible if the student has been permanently dismissed because of academic failure. (See Academic Dismissal, above.)

In the case of a student who fails to meet requirements for reinstatement following attendance at the West Chester summer sessions, the following course of action applies:

- (1) The student must achieve the required grade-point average for readmission (See Maintenance of Minimum Standards). The student is not eligible for readmission as a degree candidate until he has remained away from West Chester State College as a full-time student for a period of at least one academic semester following academic dismissal.
- (2) In an effort to secure the required academic grade-point average, he may register for courses in the Evening Division or summer sessions at West Chester as a part-time non-degree student. (Courses taken at other colleges or universities, even though approved by the Office of the Staff Dean for Undergraduate Studies, will *not* be considered in computing the scholastic index.)
- (3) Candidates for readmission must file an application with the Director of Admissions by August 1 or December 15.
- (4) Readmission status is granted only after approval by the Academic Standards Committee, the major department or school, and the Dean of Men or Women.

ROOM RESERVATION POLICY FOR READMITTED STUDENTS

Room reservations are not held for resident students who are in academic difficulty at the close of the spring semester. If students attend summer sessions and are readmitted for the following fall semester, they must re-apply for housing.

UPPER DIVISION STANDING

Students shall apply to their department of specialization for Upper Division Standing upon completion of 64 credit hours with a general scholastic index of 1.80. Upper Division Standing is awarded upon the achievement of a 2.00 in the area of specialization and the meeting of other departmental requirements. Upon the recommendation of his department, a student may be granted a probationary period of one semester, to enable him to achieve Upper Division Standing. Beyond 80 hours of earned credit, there can be no further probation.

REPORTS TO PARENTS

As soon as possible after the close of each semester, the Registrar's Office will mail a report of each student's semester grades to his parents or guardian.

HONORS WORK

The Honors Program, which is limited to five percent of the students in any department, is designed to stimulate the superior student to develop his powers of research and original thinking. The program may be pursued by students in both the arts and sciences and in teacher education.

The honors student is challenged toward deepened comprehension in his field and toward intellectual achievement beyond that demanded by the College's standard graduation requirements. He is expected to make full use of West Chester's resources in the classroom, laboratory, research centers, and library, and, beyond these, to seek new perspectives in his field and the areas it encompasses.

Although students may request consideration, enrollment is by invitation from the department, with approval from the dean of the area. A scholastic index of 3.00 or better in both general work and the specialization is required. The student must have completed four semesters at West Chester.

To earn a degree with honors, the student must satisfactorily complete no less than twelve (and no more than 24) semester hours in honors work in his specialization and related areas. A grade of B or better is required for any credit given. Honors work usually falls into two categories: *in-course* and *out-course* work. Research may result in a thesis-type term paper or a research report dealing with the solution of a statistical or mathematical problem.

Among the fields concerned are: English, theatre arts, foreign languages, philosophy, mathematics, and the social sciences.

DEAN'S LISTS

The Dean's Lists will be published at the close of each semester.

High Dean's List — scholastic index of 3.50-4.00

Dean's List — scholastic index of 3.00-3.49

Students with appropriate scholastic indices at the end of their sixth semester (96 semester hours) may be graduated with one of three distinctions:

summa cum laude — scholastic index of 3.90

magna cum laude — scholastic index of 3.75-3.89

cum laude — scholastic index of 3.50-3.74

STUDENT CLASS LOAD

A full-time student's schedule must have a normal load. This may range from twelve to seventeen semester hours of credit. No student is permitted to schedule more than 34 semester hours of credit in one academic year without the approval of the Staff Dean for Undergraduate Studies.

STUDENT LOAD FOR VETERANS

The Veterans Administration requires a student to schedule at least fourteen semester hours per semester in order to receive full benefits under the G. I. Bill. (All veterans affairs are dealt with in the Registrar's Office.)

CLASS ATTENDANCE

Regular and punctual attendance at classes is considered essential to sound scholarship and good campus citizenship. A student handbook, given the student upon registration, states the absence policy.

REMEDIAL INSTRUCTION

New students with low records on the College Board English Achievement Composition Test may be required to carry a less than normal class load and to attend, without credit, remedial classes in English and/or reading.

New students in teacher education, with low records on tests administered by the Department of Speech and Theatre, may be required to carry a less than normal class load and to attend, without credit, a class in remedial speech.

WITHDRAWAL FROM A COURSE

A student has the privilege of withdrawing from a course within the first four weeks of a semester. He must first consult with the Staff Dean for Undergraduate Studies, who will record a W (Withdrawn) having no effect on the student's permanent grade record.

After the first four weeks of a semester, a withdrawal will not be approved except for special reasons and emergencies. Both the Staff Dean for Undergraduate Studies and the instructor must give approval. The student initiates his request for an approved withdrawal by applying to the Staff Dean for Undergraduate Studies.

If the student is doing passing work at the time of approved withdrawal, a WP (Withdrawn Passing) will merely be noted on his permanent record; it will not be treated as a grade. On the other hand, if a WF (Withdrawn Failing) is given, the student receives an F on his permanent record. A student who drops a course without official permission is given an F.

WITHDRAWAL FROM THE COLLEGE

The student intending to withdraw from the College must give the Staff Dean for Undergraduate Studies written notice, indicating why and when he plans to do so. The student who fails to comply with this requirement will be declared not a member of the College, after ten days of an unexplained absence. His last day in classes will be considered the date which terminates his connection with the College.

When, owing to illness or other reasons, a student discontinues his work at the College, he must notify the Staff Dean for Undergraduate Studies as soon as possible. Unless a student withdraws officially, it will be necessary to record F grades for unfinished courses.

CREDIT BY EXAMINATION

A student in good standing may ask to take a comprehensive examination in a particular course offered by the College. The request must be filed during the first two weeks of a semester, on a form obtained from the Staff Dean for Undergraduate Studies. Demonstration of mastery in the field is required. If credit by examination would produce an overload, the applicant must have Dean's List standing. Once the request is approved the student registers for the course in the usual way and, if he desires, may audit the class. The semester hours of credit earned by examination apply toward graduation requirements.

ADVANCED PLACEMENT PROGRAM

Courses taken under the Advanced Placement Program offered by the College Entrance Examination Board, Princeton, New Jersey, may be applied toward advanced placement in the College and/or toward credit

requirements for graduation. Application for credit must be made by July 1 to the Staff Dean for Undergraduate Studies. The College recognizes grades of 5 and 4 as acceptable, but not grades 3, 2 and 1.

If an application is approved, the student registers for the course and pays the fee. There is no fee for an application for advanced standing without credit. Not more than fifteen credits earned under the Advanced Placement Program may be applied toward graduation requirements. Information concerning the Advanced Placement Program may be obtained from the College Entrance Examination Board, 475 Riverside Drive, New York, New York 10027, or from high school guidance counselors.

RESIDENT CREDIT REQUIREMENT

To qualify for graduation from a degree curriculum, a student must take his last thirty semester hours of credit at West Chester. Resident credits may be earned in day, evening, and Saturday classes.

STUDENT TEACHING

Student teaching is to be taken in the seventh or eighth semester and normally culminates the professional experience in pre-service preparation for teaching. Students should file applications for student teaching during the spring semester of their junior year — or one semester prior to their student-teaching semester.

To be eligible for student teaching, candidates must have senior standing (96 semester hours), a scholastic index of 2.00 (C) or higher, and must have completed all course work required in the first six semesters. Applications for admission to student teaching are reviewed by the department in which the applicant wishes to secure certification, by the Staff Dean for Undergraduate Studies, and by the Director of Student Teaching and Intern Programs.

REQUIREMENTS FOR GRADUATION

A student is recommended for graduation upon the satisfactory completion of a minimum of 128 semester hours and upon the fulfillment of all categories of the requirements for his degree. A minimum scholastic index of 2.00 (C) is required for graduation. Degree requirements are

fully set forth in this catalogue, under the heading of the subject field, in the section entitled Programs of Study and Degree Requirements. The final thirty semester hours of credit must be attained at West Chester (see Resident Credit Requirement).

NOTICE OF ANTICIPATION OF GRADUATION

It is the student's responsibility to report to the Office of the Staff Dean for Undergraduate Studies at least three months before the date of anticipated graduation. The student must see that his name, written as he wishes, is placed upon the list of prospective graduates. Otherwise, recognition of his graduation must be postponed until the next regular commencement. Diplomas will not be issued until all bills and obligations to the College are met.

TRANSCRIPTS

Applications for official transcripts should be made to the Office of the Registrar and the requests should be in writing. There is no charge for the first transcript, supplied at graduation, nor for transcripts sent to Pennsylvania school officials with applications for a position. A charge of one dollar is made for all other transcripts. Checks, payable to the Commonwealth of Pennsylvania, must accompany requests.

Transcripts are considered official only when sent directly to the authority who is to evaluate or record them. Consequently, transcripts sent to students are not official and do not bear the college seal. Most states and most school and college authorities accept only official transcripts. When requesting official transcripts, students need to give the names and addresses of the officials who are to receive them.

ARMED SERVICES ROC PROGRAM

The College, with the approval of the Board of Trustees, has a policy under which West Chester students enrolled in the Armed Services ROC (Reserve Officer Candidate) Program may receive credit for six semester hours of baccalaureate credit upon the successful completion and certification of ROC military requirements. Such credits are classified as free elective transfer credits. Depending on the status of each student's program at the time of transferring ROC credits, such credits will be counted toward or considered in excess of the 128 credits required for a baccalaureate degree.

ROC programs are contingent on the successful completion of military requirements during summer vacation and the earning of a college degree before being granted the service commission. The programs cover the Navy's Basic and Advanced Reserve Officer Candidate courses and the Marine Corps' Junior and Senior Platoon Leadership courses.

PROVISIONAL COLLEGE CERTIFICATE

A student who satisfactorily completes one of the Teacher Education curricula offered by the College receives his degree from the College and qualifies for a Provisional College Certificate which is issued to him by the Department of Public Instruction, Harrisburg, Pa.

In the elementary field this certificate qualifies the holder to teach in the elementary schools of Pennsylvania for three years.

In the secondary field this certificate qualifies the holder to teach the subject written thereupon in the secondary schools of Pennsylvania for three years.

In health and physical education and music education the certificate qualifies the holder to teach and supervise the special subject in both elementary and secondary schools of Pennsylvania for three years.

PERMANENT COLLEGE CERTIFICATE

The Permanent College Certificate requires three years of successful teaching in the public schools of the Commonwealth of Pennsylvania under the Provisional College Certificate and the satisfactory completion of 24 semester hours of additional work of collegiate grade, completed subsequent to the issuance of the baccalaureate degree. One-half of the additional work must be professional in character and the remainder related to the subject field on the certificate. This certificate is a permanent license to teach in Pennsylvania. When prepared for the Permanent Certificate, teachers may obtain the necessary application instructions from superintendents of schools or county superintendents of schools.

EXTENSION OF COLLEGE CERTIFICATES

(1) A college certificate valid for the secondary field may be extended to include the elementary field by completing 24 semester hours of approved courses in the field of elementary education, distributed as

follows: a course in the teaching of reading, the remainder selected from a minimum of four of the following areas: mathematics, arts and crafts, music, health and physical education, language arts, sciences, social studies, geography, mental hygiene, or a course dealing with exceptional children.

(2) A college certificate valid for the elementary field may be extended to include any subject of the secondary field by completing 24 to forty semester hours in a secondary subject, depending upon the area of specialization.

(3) A college certificate valid for the secondary field may be extended to include additional academic subjects when the holder has completed 24 - 40 semester hours of approved courses in each subject to be added to the certificate.

CERTIFICATION IN OTHER STATES

Concerning requirements for certification for teaching in other states, students may consult the Staff Dean for Undergraduate Studies.

TEACHERS IN SERVICE

Entrance and college credits based on teaching experience have not been granted since September 1, 1927. Credit for student teaching other than that done under the direction of the College will not be allowed.

E XPENSES

Expenses are Subject to Change

F E E S

BASIC FEE FOR PENNSYLVANIA STUDENTS

The basic fee* for full-time students who are legal residents of Pennsylvania is \$125 per semester. For part-time students (those taking eleven or less semester hours) the basic fee is \$12.50 per semester hour (minimum \$37.50).

BASIC FEE FOR OUT-OF-STATE STUDENTS

The basic fee* for all out-of-state students is \$20 per semester hour. With a sixteen-credit-hour load, this amounts to \$320 per semester. The minimum fee for out-of-state students on a part-time basis is \$60.

Except for the basic fee, the expenses of out-of-state students are the same as those of Pennsylvania students.

SPECIAL CURRICULUM FEES

In addition to the basic fee, students enrolled in the School of Music or the School of Health and Physical Education pay special curriculum fees as follows:

School of Music: \$45 per semester (prorated for part-time students).

School of Health and Physical Education: \$18 per semester (prorated for part-time students).

* The basic fee covers registration, the keeping of student records, library services, student welfare, health service (other than special nursing or quarantine), and laboratory facilities.

HOUSING FEE

The housing fee for students living in campus residence halls is \$324 per semester, and covers room and meals while the College is in session. (Holiday and recess schedules may be noted on the College Calendar.) Resident students living in college extension houses also pay room rent in advance, but directly to the private householder. The College charges these off-campus resident students \$10 weekly for their meals in the college dining hall.

FINANCIAL OBLIGATIONS

Students and their parents or guardians are asked to observe that all fees and costs are subject to change without notice, and that, since the acceptance of a student is for a semester, financial obligations are accordingly for a semester.

At his discretion, the President may authorize payments on a monthly basis for worthy full-time students whose circumstances require a deferred payment schedule. Residence in Pennsylvania is not essential to this arrangement. Requests for a deferred payment schedule should be sent to the Director of Business Affairs.

ADVANCE PAYMENT OF HOUSING AND BASIC FEES

All students are required to pay their housing and basic fees in advance of each semester. The College sends bills for these fees preceding each semester. If payment is not made within the stipulated period, the student is dropped from the admissions list or the rolls of the College and loses all privileges and priorities, including his room reservation.

For the academic year 1968-1969, payments will fall due as follows:

Fall Semester: July 29, 1968

Spring Semester: December 30, 1968

Checks should be made payable to the "Commonwealth of Pennsylvania" and mailed to the Office of Business Affairs, West Chester State College, West Chester, Pa. 19380.

APPLICATION FEE FOR NEW STUDENTS

An application fee of \$10 is required of all applicants. It is not refundable under any circumstances and is not credited to a student's account. The application fee must be paid by cashier's check or money order (not personal check or cash).

ACCEPTANCE FEE FOR NEW STUDENTS

The student accepts an offer of admission by paying an additional \$25 as a guarantee of his intention to enter the College in the semester indicated. This fee is not refundable, but upon enrollment it is credited toward the student's basic fee. The acceptance fee must be paid by cashier's check or money order.

ADVANCE REGISTRATION FEE FOR RETURNING STUDENTS

Returning students affirm their intention to register for the immediate semester by their advance payment of semester fees (see above).

DAMAGE FEE

Students are held responsible for damage, breakage, loss, or delayed return of college property. Beyond that occurring from normal use, damage to furniture, furnishings, or buildings will be charged to any student committing it. If a student damages college property while using an appliance not provided by the College, he may be charged a proportionate amount of the repair cost.

In the same manner, students living in approved college extension houses are held responsible for the payment of the damage fee to private householders.

PRIVATE MUSIC INSTRUCTION FEES

Students enrolled in the School of Music pay no extra fees for required private instruction in voice, piano, or band or orchestral instruments, nor for the use of pianos for practice. Music majors are, however, charged for the following:

- (1) Pipe organ for practice, one period each weekday, \$36 per semester.
- (2) Band or orchestral instruments, \$6 rental per semester.

Elementary Education Majors whose Concentration Area is Music—charged a lesson fee of \$45 per semester if they elect private instruction in voice, piano, organ, or band or orchestral instruments. Pianos for practice are available at no charge. The rates for organ practice and use of band or orchestral instruments are those shown above for music majors.

Students in the Humanities Program of the College of Arts and Sciences—charged at the same rates as elementary education majors (above).

All Other Students—charged a lesson fee of \$24 each semester for one half-hour lesson per week, plus a \$37.50 out-of-music curriculum fee per semester. A charge of \$6 per semester is made for a daily practice period at the piano. The rates for organ practice and the use of band or orchestral instruments are those shown above for music majors.

MISCELLANEOUS FEES

Diploma Fee of \$5. Required of degree candidates.

Record Transcript Fee of \$1. Charged to students for the second and all subsequent transcripts of records. The \$1. fee applies also to those not currently enrolled. (A cashier's check or money order is required.)

Late Payment Fee of \$5. Charged for overdue payments required during the semester.

Late Registration Fee of \$5. Required of students completing registration after the official registration date, or requesting a change of a course or courses after the official registration date.

Transient Lodging Fee of \$1.58. Charged for overnight guests.

Additional Housing Fee of \$2 per week. Required when one person is permitted to occupy a double room. (This privilege is given only in summer sessions.)

POLICIES ON REPAYMENTS AND REFUNDS

(1) Students who withdraw from the College after paying their semester fees will not be eligible for a refund of the room fee (\$144) unless they give written notice at least two weeks in advance of the first date of registration to: (a) the Office of Undergraduate Studies and (b) the Office of Business Affairs.

In any circumstance, students who withdraw after paying their semester fees are subject to a legal forfeit of \$25.

(2) Resident students (including off-campus resident students) who decide to change their housing status to commuting students will likewise not be eligible for a refund of their room rent (\$144) unless they give written notice, at least two weeks in advance of the first date of registration, to (a) the Dean of Women or Dean of Men and (b) the Office of Business Affairs.

(3) Repayments will not be made to students who are temporarily or indefinitely suspended, dismissed, or who voluntarily withdraw from the College.

(4) In cases of personal illness, certified by an attending physician, or for other reasons which may be approved by the Board of Trustees, the College will refund the proportion of the housing and other basic fees for the part of the semester which the student does not spend in the College. No refund will be made for an absence of less than two weeks. Application for a refund must be made in writing to the Office of Business Affairs.

(5) Repayments of the application fee or acceptance fee will not be made under any circumstance.

DELINQUENT ACCOUNTS

No student will be enrolled, graduated, or given a transcript of his record until all charges due at the particular time are paid.

ADDITIONAL COSTS

COMPULSORY ACCIDENT INSURANCE

A policy costing \$10 per year is compulsory for all students in Health and Physical Education and for those participating in various athletic programs.

INTRACOLLEGIATE GOVERNMENTAL ASSOCIATION FEE

A student activities fee of \$20 per semester is collected from all fulltime students, and administered through a cooperative organization under regulations approved by the Board of Trustees. It covers the cost of the student activities program in such areas as athletics, various musical organizations, lectures, entertainments, and student publications. The student activities fee should be paid promptly upon receipt of the bill. Checks should be drawn to "I. G. A." and mailed to the Intracollegiate Governmental Association.

Part-time students may secure the benefits of the activities program, at their initiative, by paying the \$20 fee at the college bookstore.

BOOKS

Each student buys his own books and supplies. They are available at the college bookstore, at a cost of approximately \$75 each semester.

GYMNASIUM UNIFORMS

Men Students in Health and Physical Education. Required to buy athletic and gym outfits costing approximately \$20 for the first semester and \$25 for the third semester.

Women Students in Health and Physical Education. Must buy, for their first semester, uniforms costing approximately \$40. Order forms are sent to each applicant upon her acceptance by the College. An additional expenditure of \$15 is required of all sophomores.

All Other Students. Required to purchase a regulation gym outfit. For the women students this includes a pair of blue shorts, a white shirt, a white sweat shirt, white socks, and canvas tennis shoes, costing altogether about \$10. For men the outfit includes a pair of white shorts, a white T-shirt, white socks, and canvas gym shoes, at an approximate total cost of \$10.

IDENTIFICATION CARDS (I. D. CARDS)

On the day of registration a charge of \$1 is assessed for student identification cards, used to admit students to college functions sponsored by the Intracollegiate Governmental Association, and to the college dining room. The cards carry the student's photograph and show his home address, IBM number, and class. If lost, they may be replaced for \$2.50.

COUNCIL DUES

Every student pays either a Day Student or Dormitory Council assessment. For the 1967-1968 academic year these dues were \$2.

CLASS DUES

Class dues constitute an obligation which every student assumes upon admission, and must be paid at the time of registration. Each class determines its dues. For the 1967-1968 academic year they were: Freshmen, \$1; sophomores, \$7; juniors, \$25; and seniors, \$25.

FRESHMAN SWIM SUIT RENTAL

All freshmen pay a swim-suit rental fee of \$2, covering use of a suit throughout their undergraduate years.

SUMMARY OF YEARLY COSTS FOR FULL-TIME PENNSYLVANIA STUDENTS

(Because they vary, class dues and the cost of required gymnasium uniforms are not included in these schedules. The student may consult Additional Costs, above.)

All Curricula but Music and Health and Physical Education

<i>a. Students Living on Campus</i>	
Basic Fee	\$250
Student Activity Fee	40
Books (approximately)	150
Room and Board	648
	\$1,088
 <i>b. Day Students</i>	
Same as above, minus Room and Board	\$440

Health and Physical Education Curriculum

<i>a. Students Living on Campus</i>	
Basic Fee and Special Curriculum Fee	\$286
Student Activity Fee	40
Books (approximately)	150
Room and Board	648
	\$1,124
 <i>b. Day Students</i>	
Same as above, minus Room and Board	\$476

Music Curricula

<i>a. Students Living on Campus</i>	
Basic Fee and Special Curriculum Fee	\$340
Student Activity Fee	40
Books (approximately)	150
Room and Board	648
	\$1,178
 <i>b. Day Students</i>	
Same as above, minus Room and Board	\$530

PART-TIME STUDENTS (PENNSYLVANIANS)

Pennsylvania part-time students may calculate a summary of costs by developing the basic fee from the charge of \$12.50 per semester hour (minimum \$37.50). If enrolled in Music or Health and Physical Education, they will need to figure their special curriculum fee, explained at the beginning of this section.

OUT-OF-STATE STUDENTS

Out-of-state students may calculate a summary of costs by developing the basic fee from the charge of \$20 per semester hour (minimum \$60). If enrolled in Music or Health and Physical Education, they will need to figure their special curriculum fee, explained at the beginning of this section.

EXPENSES AND FEES

UNDERGRADUATE SUMMER SESSIONS

Board and room is \$18 a week. The activities fee for the Regular Session is \$3.50, and for the Pre or Post Session, \$1.75. The basic fee is \$12.50 per semester hour of credit (minimum basic fee of \$37.50 for legal residents of Pennsylvania for the Regular Session, or \$18.75 for the Pre or Post Session). Out-of-state students pay at the rate of \$20 per semester hour of credit (minimum basic fee of \$60 for the Regular Session or \$30 for the Pre or Post Session).

A special health education fee of \$3 per summer course is applicable in classes, such as those in driver education, which utilize college equipment. Special music fees are applicable for students taking private instruction.

All summer school fees are due and payable on the general registration dates. The following late fees are charged:

- (1) A late pre-registration fee of \$5 for failure to furnish the required pre-registration form by the Wednesday preceding any summer session.
- (2) A change-of-course fee of \$5 for a course change made after pre-registration.
- (3) A late payment fee of \$5.

F INANCIAL AID

THE COLLEGE'S comprehensive program of scholarships, grants, loans, and student employment enables many students with limited funds to meet their college expenses. Upon admission, students routinely receive information and forms enabling them to apply for aid if needed. Those requiring further assistance or advice may write to or confer with the Director of Financial Aid, who administers the program.

College Scholarship Service. West Chester, as a participant in the College Scholarship Service (CSS) of the College Entrance Examination Board, subscribes to the Service's principle that the amount of financial aid should be based on the degree of financial need. Entering students seeking loans, employment, or a Pennsylvania Higher Education Assistance Agency scholarship must submit a Parents' Confidential Statement (PCS) by May 1 to the College Scholarship Service, P.O. Box 176, Princeton, N.J. 08540. The form may be obtained from a secondary school, the Director of Financial Aid, or the College Scholarship Service.

Unless other specifications are indicated, requests for the scholarships, loans, and employment opportunities described here are made to the Director of Financial Aid.

SCHOLARSHIPS

Alpha Sigma Phi Scholarship. An annual \$100 award given by the Alphite Society to a woman student chosen on the basis of citizenship, scholarship, and need.

Bethlehem Alumni Club Scholarship. \$200 given annually to a Bethlehem High School or Bethlehem Catholic High School senior who will enter West Chester the following year.

James B. Bonder Memorial Scholarship. An annual award given to a deserving member of the football squad by Mrs. James B. Bonder, alumni, and friends, in memory of Dr. Bonder, former football coach and faculty member, who died in 1965.

Laury Samuel Brokenshire Scholarship. This \$100 scholarship is presented annually as a memorial to Laury Brokenshire, a member of the Class of 1962, by his parents, Mr. and Mrs. James R. Brokenshire, of Reading, Pennsylvania. It is awarded to an outstanding Junior Class music student selected by members of the School of Music faculty.

Delaware County Federation of Junior Women's Clubs Scholarship. A yearly award of about \$100, given to one or more Junior Class women residing in Delaware County.

Friars Memorial Scholarship. This \$100 annual scholarship honors West Chester students who died in World War II. The recipient is a man in the Junior Class.

Arthur E. Jones Memorial Scholarship. Talent in the vocal-choral area and scholarship are among considerations for an annual award to a music student. The award is in remembrance of Dr. Arthur E. Jones, former Chairman of Choral Music. The Department of Vocal and Choral Music selects the recipient.

School of Health and Physical Education Scholarship. Income from the Quadrennial Show endows \$100 annual scholarships (generally three) awarded to outstanding second-semester sophomores in health and physical education.

Kift-Mullen Memorial Scholarship for Future Teachers. \$200 given annually to a junior or senior who is a graduate of Allentown High School or Allentown Central Catholic High School. The Robert L. Kift-Thomas R. Mullen, Jr. Memorial Fund, maintained by the Lehigh Structural Steel Company, Allentown, Pennsylvania, is the donor.

Samuel Martin Scholarship. Available to students of limited means who are preparing to teach. Children of Friends or students in sympathy with Friends are preferred. Applications are made to Elbert N. Pusey, Esquire, 30 West Market Street, West Chester.

Sarah H. Mellor Scholarship Fund of the Chester County Council of Parent-Teacher Associations. A \$100 award, made yearly to a Chester County student in memory of a former West Chester student, teacher, and Trustee.

Music Sophomore Scholarship. Three \$100 scholarships, given annually to sophomores in the School of Music. College citizenship and musical performance are criteria.

William Pyle Philips Scholarship. Awarded annually to at least twenty juniors and seniors who are natives of Chester County. The scholarships recognize high scholastic ability and citizenship, and cover the students' yearly basic fees. If recipients are music or health and physical education majors, the special curriculum fee is also covered.

Theodore Presser Foundation Scholarship. An annual \$400 award, provided by the Presser Foundations's Board of Trustees, for a junior or senior in music. The School of Music faculty selects the recipient.

Hannah Kent Schoff Memorial Scholarship. Two scholarships of \$150 yearly or \$600 for four years are available from the Pennsylvania Congress of Parents and Teachers for students entering teacher education at any of the thirteen Pennsylvania State Colleges or Indiana University of Pennsylvania. High school seniors become candidates upon recommendation of their guidance counselors. Application forms, available from guidance counselors, must be filed with the student's selected State College (or the University) before March 1.

Schuylkill County Alumni Club Award. An annual award based on need, ability, and promise, and given to a West Chester student who resides in Schuylkill County.

David M. Sensenig Memorial Scholarship. \$50 savings bonds given annually to two juniors with outstanding ability in mathematics. Dr. Sensenig was chairman of the Department of Mathematics from 1895 to 1908.

Sico Scholarships. \$300 scholarships, in limited number, provided by the SICO Company of Pennsylvania to students from specified localities entering West Chester in the field of elementary education. Competitive examinations for the scholarships take place at West Chester each March. Applications from high school seniors must be filed before March 1 through their guidance counselors. The stipulated areas of legal residence are: Chester, Berks, Cumberland, Dauphin, Lancaster, Lebanon, and York Counties in Pennsylvania, Cecil County, Maryland, and the State of Delaware.

Dr. Charles S. Swope Memorial Scholarship Trust. A scholarship trust established by the Swope family in memory of Dr. Charles S. Swope, who served as President of West Chester State College for a quarter of a century. Three \$600 scholarships are awarded each year. The recipients of the scholarships are under no legal obligation to repay any of the money to the Trust. The Trustees Scholarship Committee determines the recipients upon the basis of academic achievement, character, dedication to the teaching profession, and participation in extracurricular activities. Applications may be obtained from the Office of the President or the Staff Dean for Undergraduate Studies.

Valkyrie Club Scholarship. The Club, composed of women majors in health and physical education, awards an annual \$100 scholarship to one of its Junior Class members.

York County Alumni Award. A yearly award, in memory of Elsie O. Bull, for a York County resident entering or attending West Chester. Need, ability, and achievement are the criteria. The amount varies.

Pennsylvania Department of Public Instruction Scholarships. The Pennsylvania Department of Public Instruction offers a scholarship of \$200 per year for four years to the high school senior earning the highest score in competitive examinations

given in each county of the Commonwealth. The scholarships may be used at West Chester. Detailed instructions may be sought from high school guidance counselors.

Pennsylvania State Scholarships. The Scholarship Program of the Commonwealth of Pennsylvania, created by the 1965 General Assembly, aids qualified Pennsylvania students who need financial assistance in order to attain a higher education. The scholarships are based upon the student's academic potential as shown on the Scholastic Aptitude Test of the College Entrance Examination Board, upon admission to an institution of higher learning, and upon need for financial assistance, as determined by the Pennsylvania Higher Education Assistance Agency. Scholarships are of varying amounts up to \$1,200 per academic year. A Parents' Confidential Statement (see beginning of this section) must be filed by each recipient in the Office of the Director of Financial Aid.

COUNSELING SERVICES FOR SENIORS SEEKING GRADUATE ASSISTANTSHIPS OR FELLOWSHIPS

Seniors planning to pursue graduate study at other colleges or universities may obtain information about scholarships, fellowships, or assistantships from the Director of Guidance and Counseling, or the Library. Conferences with department chairmen or faculty advisers are recommended.

LOANS

National Defense Student Loan Fund. The purpose of this Government Loan Program, established under the National Defense Education Act of 1958, is "to stimulate and assist in the establishment at institutions of higher education of funds for the making of low-interest loans to students *in need* thereof to pursue their courses of study in such institutions." While making these loans available to needy students in any field of study, the Act specifies that "in the selection of students to receive loans . . . special consideration shall be given to (a) students with a superior academic background who express a desire to teach in elementary or secondary schools, and (b) students whose academic background indicates a superior capacity or preparation in science, mathematics, engineering, or a modern foreign language." Further information may be secured from the Director of Financial Aid.

Pennsylvania Higher Education Loan Plan. This student loan plan was created by the Act of August 7, 1963, P.L. 549. Its purpose is to improve educational opportunities for residents of Pennsylvania who are attending approved institutions of higher learning in the state or elsewhere in the United States. To be eligible, students must be legal residents of Pennsylvania and admitted to or enrolled in an approved institution of higher education in the United States.

Application forms may be obtained from participating banks in the students' communities or from the Pennsylvania Higher Education Assistance Agency, Harrisburg, Pennsylvania 17102.

West Chester State College Student Emergency Loan Fund. Students doing satisfactory academic work and needing funds to continue in the College may obtain short-term loans up to \$100 from this fund, which consolidates funds once maintained by the former Student Activities Association and the B'nai B'rith Lodge. The loans must be repaid before graduation or prior to registration for the next academic year.

General Student Alumni Loan Fund. The West Chester Alumni Association maintains a loan fund from which students in financial need may borrow up to \$100. No interest is charged, although legal security is required. Applicants must have a satisfactory academic record. The loans must be used for college expenses and be repaid before graduation or prior to registration for the next academic year.

Viola Marple Scholarship Loan Fund. The will of Miss Viola Marple, a former teacher in the English Department, provides scholarship loans for the education of two deserving women students whose records of ability, scholarship, and character promise competence for teaching. Recipients of the interest-free and renewable loans are selected by the English faculty and the President. Application forms may be secured from the Chairman of the Department of English.

STUDENT EMPLOYMENT

Many opportunities to work on campus or in the community are available, through the Director of Financial Aid. Students seeking this type of assistance are required to submit the Parents' Confidential Statement described at the beginning of this section.

Student Assistants. A limited number of students are employed as helpers in laboratories and offices of the College and in the library. Usually, some special skill or training is required. The positions are primarily available to those who could not otherwise attend college. The earnings must be used exclusively for college expenses.

Student Waiters. Men students are employed on an hourly basis as waiters in the dining hall. These positions, too, are primarily available to those who could not otherwise attend college, and the earnings must be used exclusively for college expenses.

Part-time Employment. Students wanting part-time work or odd jobs should register with the Director of Financial Aid. Although every effort is made to provide employment students should not anticipate it as a certainty.

S TUDENT LIVING

ADMINISTRATIVE CLASSIFICATION OF STUDENTS

ALTHOUGH THE MAJORITY of West Chester's undergraduates live on the campus, many commute to the College. For administrative purposes, the College classifies its students as:

(1) RESIDENT STUDENTS

a. College Residence Hall Students live in residence halls owned and operated by the College and are required to take their meals in the dining hall.

b. Off-Campus Resident Students (College Campus Extension Students) live in college extension houses. Though not owned by the College, the houses are operated and supervised in substantially the same way as the residence halls. Campus extension students are also required to take their meals in the dining hall.

(2) DAY (COMMUTING) STUDENTS

These students live in the homes of their parents or legal guardians. If 21 or older, day students may establish legal residence in or near the Borough of West Chester. They will have to pay a per capita tax to the Borough or a township.

The Dean of Men and the Dean of Women assign the classification of each student. They also supervise the operation of the residence halls and the extension houses. All matters pertaining to student living conditions are under their jurisdiction. Campus extension students are under the same regulations as residence hall students.

Married Students. The College has no housing facilities for married students. Prior to registration, they will need to secure their own accommodations. Area realtors and newspapers should be consulted.

DISMISSAL FROM COLLEGE

Students are expected to conform to the rules and regulations of the College. Students found in violation of these rules and regulations may be suspended or dismissed, but only upon the approval of the President. Administrative officers, faculty members, and student committees and councils may make recommendations to the President for suspension or dismissal in instances of violations.

AUTOMOBILE REGULATIONS

Commuting students must have a permit to drive on the campus. The permit is issued by the campus Chief of Security and must be obtained from his station on registration day.

Resident students are not permitted to maintain or operate automobiles at the College in their freshman year. (Freshmen who are married or veterans of the Armed Services are the only exceptions.)

Resident students other than freshmen are permitted to have an automobile on the campus only if they have valid reasons for one. Before bringing their cars to the College, they must apply to the Dean of Men (for men) or the Dean of Women (for women) for official approval. If approval is granted, resident students must then obtain a permit from the campus Chief of Security.

Marricd students and veterans of the Armed Forces, wherever they may reside, are not required to obtain approval from a dean, but — along with every West Chester student who operates a car on the campus — they must obtain a permit from the campus Chief of Security.

HOUSING

West Chester's six residence halls provide accommodations for more than 1,800 women and 550 men.

Student rooms have basic furnishings for comfortable living, and the students may make them more homelike with their own accessory additions. Upon enrollment, freshmen will be fully informed by the Dean of Women or Dean of Men about the services and equipment furnished by the College and those necessities which the student will need to supply for himself.

Lounge and recreation areas, storage rooms, television, and a variety of other facilities add convenience and a pleasant setting for student life.

Campus extension houses provide the same basic furnishings and many homelike facilities and conveniences.

Overnight Guests. If accommodations are available, a resident student may have an overnight guest on Fridays or Saturdays, at a charge of \$1.58 per night. Prior approval and registration must be secured from the Dean of Men (for men students) and the Dean of Women (for women students).

DINING ACCOMMODATIONS

Spacious dining accommodations are provided in Lawrence Hall, where all resident students take their meals. Three meals are served, cafeteria style, every day of the week. Menus are carefully planned to meet the nutritional needs of active students.

The dining-hall staff is not equipped to meet the special needs of students whose health requires medically regulated diets. These students may obtain permission to take their meals elsewhere by applying to the Dean of Student Affairs at least two weeks in advance of each semester.

COLLEGE BOOKSTORE

In addition to required textbooks, the I. G. A. Bookstore carries paperback books, stationery, other student supplies, records, gymnasium uniforms, college blazers, and various gifts and souvenir items. The store, located on the ground floor of Recitation Hall, is a student enterprise whose profits benefit the Intracollegiate Governmental Association.

CAMPUS POST OFFICE

The College has an on-campus post office. It is located on the second floor of Lawrence Hall.

LOUNGE FACILITIES

In addition to the social lounges in residence halls, a large and attractively furnished lounge in Lawrence Hall serves both commuting and resident students. Here they may entertain guests, gather informally for relaxation, or enjoy music. A snack bar, near the lounge, is another popular gathering place for leisure moments.

STUDENT HEALTH SERVICE

To meet emergency and first-aid needs, and to perform routine infirmity treatment of minor illnesses and minor surgical conditions, two part-time physicians and four registered nurses are available, at no cost to the students. Beyond these services, the College does not furnish medical care or bear the costs of medical or surgical treatment or hospitalization. The community of West Chester has qualified physicians and excellent hospital facilities.

A group medical and accident policy, approved by the College and covering accidents and illness on a twelve-month basis, is available at registration or from the College Health Service, at a minimal annual premium. Students and parents are urged to consider the splendid protection it offers.

SPEECH AND HEARING CLINIC

Students who need help in meeting minimal speech standards may obtain it at the Speech and Hearing Clinic which West Chester maintains. Along with serving as a speech improvement center for students, the Clinic provides evaluation and therapy in speech and hearing for children from the community of West Chester and the surrounding area.

GUIDANCE AND COUNSELING CENTER

The professional services of the Guidance and Counseling Center are available to students who need help with problems affecting their academic proficiency, or who have difficulties in adjusting to college life. The staff is trained and experienced in the administration of psychological tests, counseling, and personality evaluation. The program offered includes orientation for entering students.

The student who is coping with emotional difficulties, tensions, or problems of a personal nature should seek assistance at the Center. It is on the first floor of Old Main.

PLACEMENT SERVICES

The College maintains an active Placement Service for its students and graduates. The Director of Placement is in general charge, and is assisted by the Undergraduate Office, the Graduate Office, the Offices of the College of Arts and Sciences and of the Schools, and by student teaching supervisors and other members of the faculty.

The purpose of the service is to help graduating seniors and graduates obtain desirable positions related to their interests and education. It renders assistance to school officials who are seeking qualified teachers to fill vacancies in the schools of the Commonwealth. For the benefit of the arts and sciences graduates, communication is maintained with government agencies and industry.

Counseling is offered to all students and graduates in career planning, opportunities, and employment trends. A library provides information about career opportunities, area schools, job-training programs, Civil Service careers, job requirements, and application forms and procedures. At periodic intervals, group orientations for senior students are conducted. Although most career placement counseling takes place in the senior and graduate years, all undergraduates with inquiries about careers are invited to use the library and to seek guidance from the Placement Service staff.

Meetings between applicants and potential employers are arranged, and private facilities on campus are made available for interviews and conferences.

Appropriate follow-up research is conducted periodically with graduates and their employers.

SELECTIVE SERVICE INFORMATION

The Staff Dean for Undergraduate Studies is the adviser on Selective Service. Students wishing counsel or information on this subject should apply at his office in Anderson Hall.

A student seeking deferment must complete at the beginning of each college year an *SS109* Form which will be submitted to his local Selective Service Board by the Staff Dean for Undergraduate Studies. The forms may be secured from the Registrar at registration.

T

HE STUDENT COMMUNITY

STUDENT GOVERNMENT

QUITE UNDERSTANDABLY, students begin their undergraduate years with a sense of excitement. In a swift transformation, they are plunged into two large adventures: the pursuit of study that will shape the course of their lives, and a sudden move into a new kind of community, composed mainly of youth, focused largely toward the future, and bounded by time as well as the margins of the campus.

It is a conviction at West Chester that the two adventures are closely interwoven, that education is both an academic and a social process, and that this process is going on in every moment of the student's day. The student community is viewed, not as the housing adjunct of the College, but as an intrinsic element of the West Chester experience.

The Administration holds that students should share responsibly in governing this community and should have a voice in the shaping and re-examination of the objectives of the College.

West Chester students have their own democratically constructed governmental organization for maintaining a mature and responsible student citizenry, and for developing the various activities and programs which best serve their interests and needs. Through advisory and committee machinery, the Administration, the faculty, and the student body seek to work democratically together in behalf of the general concerns of the College.

THE INTRACOLLEGIATE GOVERNMENTAL ASSOCIATION

Student government at West Chester is contained in the Intracollegiate Governmental Association, an organization to which all students belong.

Functioning within a constitutional framework, the IGA provides students with a learning experience in the processes of democratic government.

The General Assembly, chosen by election, is the legislative body; the IGA program is administered through its officers and a student committee system. In fiscal matters, in various policy-making areas, and in disciplinary action, final authority rests with the President of the College and the Board of Trustees.

The General Assembly is composed of representatives from the Freshman, Sophomore, Junior, and Senior Classes, the Women's and Men's Residence Hall Councils, the Women's and Men's Day Student Councils, and representatives-at-large.

The large concern of the IGA is the welfare of the student body. Under the guidance of faculty advisers, the IGA maintains the college bookstore, publishes West Chester's student newspaper and handbook, operates the college radio station, conducts ticket sales for athletic events, and plans and executes many all-campus special events and programs.

COUNCILS AND CLASS ORGANIZATIONS

Other matters of student government rest with the Freshman, Sophomore, Junior, and Senior Classes, who elect their officers, and with the Women's and Men's Residence Hall Councils and the Women's and Men's Day Student Councils, which are also democratically constructed.

THE EXTRACURRICULAR PROGRAM AT WEST CHESTER

The Dean of Student Affairs has over-all responsibility for the extracurricular program at West Chester. He works closely with the officers and committees of the IGA, the four classes, and the leadership of the many extracurricular organizations and clubs which flourish on the campus. He has the responsibility of coordinating the total extracurricular program, of seeing that it meets the needs of students, and of fitting its various phases into the whole of college living.

The span of extracurricular activities is wide. Many organizations offer experiences related to the field of study the student is pursuing; many meet religious and fellowship needs; still others are built around

special interests or hobbies. Through the offices of the Dean of Student Affairs, and the Director of Social Activities, who works closely with clubs and organizations, students are encouraged to take part in extracurricular activities. Every student is advised to participate in a club or organization for at least one semester of the year. In the interest of spreading leadership experience, no student holds more than one office a semester.

West Chester believes that the extracurricular program offers the student experiences which will stand him in good stead in his later professional, business, or community life.

The new student may become fully acquainted with the many clubs and organizations at West Chester through the pages of the student handbook which he receives upon enrollment. In brief, they include:

RELIGIOUS ORGANIZATIONS. Opportunities for fellowship and religious experience at West Chester are offered by the Inter-Varsity Christian Fellowship, Hillel Foundation, Newman Club, Student Christian Association, the Christian Science Association, and the Bahai Club.

PROFESSIONAL ORGANIZATIONS. The various departments of the College sponsor clubs and activities devoted to professional development. Among these are such groups as the Association of Childhood Education, English, French, Geography, Mathematics, Music, Philosophy, Social Sciences, and Science clubs, and activities for health and physical education students.

CLUBS CENTERED AROUND INTERESTS. Photography, nature study, bowling, bridge, horseback riding, art, records, and other special interests draw students together in various clubs or groups.

ACTIVITIES CENTERED AROUND GROUP LIFE. These include the many committees and special projects arising within the student-government bodies and may range from membership on a committee planning a social or public-affairs event to working on the college yearbook or newspaper.

SPECIAL EVENTS

A notably vigorous interest in the arts and thought of the times exists at West Chester and throughout the larger community (the Borough of West Chester and the surrounding sector of Chester County) in which the College is located.

In some part, this unusual devotion to letters and the performing arts has roots in the past of Chester County, whose unusual numbers of scholars, scientists, writers, and artists throughout the nineteenth century

led the West Chester area to be known for several golden decades as the "Athens of Pennsylvania."

With Philadelphia's rich cultural opportunities in easy reach and with stimulus from the singular number of other colleges in the Philadelphia orbit, attention to the arts and to scholarship is keen in southeastern Pennsylvania, to the benefit of West Chester students.

Throughout the academic year, students have many opportunities to deepen their interest in music by attending concerts and recitals provided by the faculty and students of the School of Music. At several annual series of programs, students and townspeople fill the large auditorium of Philips Memorial Hall.

Notably, the All-Star Course brings to the campus some of the world's distinguished artists in the fields of music, drama, and dance. Among these have been the Detroit, Washington National, Cincinnati, and Minneapolis Symphony Orchestras, the Robert Shaw and Robert Wagner Chorales, Isaac Stern, George London, Jerome Hines, Nicolai Gedda, Phyllis Curtin, Evelyn Lear, the National Ballet, the American Ballet Theatre, Jose Greco and Company, and the Goldovsky Grand Opera Theater.

The Chamber Music Series, a more recent inauguration, brings to the College outstanding small ensembles. During the 1967-1968 academic year, programs were presented by the Philadelphia Brass Ensemble and the Curtis String Quartet.

Through the William Pyle Philips Lecture Foundation, students have opportunities to attend lecture programs bringing leaders in literature, science, and world affairs to the campus. Among these have been Madame V. L. Pandit, Arnold Toynbee, Winston Churchill II, Harrison Salisbury, Carl Rowan, Mark Van Doren, Sir Julian Huxley, Robert Frost, Dame Judith Anderson, Edward Weeks, and General Carlos P. Romulo.

Thanks to the Intracollegiate Governmental Association, another series of evening programs, generally eight in number, brings outstanding professional talent to West Chester.

Under the aegis of the Campus Cinema Club, a monthly motion-picture series shows foreign films and classics from film libraries.

Other programs, sponsored from time to time by various clubs or organizations, bring to the campus speakers of regional or national importance in such areas as public affairs, the sciences, literature and the arts, and popular entertainers.

MUSICAL ORGANIZATIONS

In conjunction with the regularly scheduled student and faculty recitals, the College Administration maintains the following well-developed musical organizations which contribute to the wealth of fine music on the campus:

1. **TWO COLLEGE BANDS: THE CONCERT AND MARCHING BAND AND THE SECOND CONCERT BAND.** Membership in these organizations is determined by the student's qualifications regardless of curriculum.
2. **SYMPHONY ORCHESTRA.** Membership in this organization is determined by the student's qualifications regardless of curriculum.
3. **LITTLE SYMPHONY ORCHESTRA (SINFONIETTA).** The Sinfonietta is a group of approximately 25 selected players from the Symphony Orchestra. It specializes in music written for small orchestras.
4. **INSTRUMENTAL ENSEMBLES AND CHAMBER MUSIC GROUPS.** Membership in these groups is determined by the student's qualifications.
5. **THE CRITERIONS.** The College jazz lab band, whose members are selected by audition.
6. **CONCERT CHOIR.** A mixed choir of music students selected by audition. This choir of about forty voices meets twice a week, devoting its efforts toward acquiring a fine technique of choral singing through the preparation of an extensive repertoire for performance.
7. **CHOIR.** A mixed choir of junior and senior music students. This group meets twice a week, devoting its efforts toward a wide association with choral literature. It is used as an opera chorus in School of Music productions and joins with the Concert Choir for large combined performances.
8. **WOMEN'S CHORUS.** All freshman and sophomore women not in the Concert Choir who are enrolled in the Music Education curriculum are required to take this course, devoting their efforts primarily toward acquiring the techniques of choral singing.
9. **MEN'S CHORUS.** All freshman and sophomore men of the Music Education curriculum who are not enrolled in the Concert Choir are required to take this course. Men from the elementary, secondary, health and physical education, and arts and sciences curricula are invited to audition for this group.
10. **MIXED CHORUS.** A mixed chorus of freshman and sophomore Music Education students. This group meets once a week, alternating as a mixed chorus and as Men's Chorus and Women's Chorus. It combines with the Concert Choir for performances.

11. WOMEN'S GLEE CLUB. This organization provides an opportunity for non-music women students to participate in a choral group. The activities include the annual Christmas Carol Program and the Women's Glee Club spring concert. Membership is by individual audition.

LITTLE THEATRE

This student organization, functioning in Theatre 208, provides a workshop for those who wish training in educational, technical, and performing theatre. It presents a variety of major plays for the College as well as the West Chester community. Little Theatre has established a chapter of Alpha Psi Omega, national honorary dramatic fraternity, on the West Chester campus.

WEST CHESTER'S ATHLETIC PROGRAM

All West Chester students have opportunities to participate in the broad athletic program maintained by the College. Both the intramural and inter-collegiate phases of the athletic program are described in detail under School of Health and Physical Education.

PUBLICATIONS

QUAD ANGLES. This student newspaper is published by an undergraduate staff, with a faculty member serving as adviser. Positions on *Quad Angles* are open to any member of the student body with reportorial or editorial ability. Students who join the staff gain training and experience in journalism.

THE SERPENTINE. Publication of this college yearbook is a responsibility of the Senior Class. The yearbook, which records college activities, is edited by a student staff with two advisers.

THE RAM'S HORN. The Varsity Club produces this publication, issued on the occasion of each home game of the football season. Aided by a faculty adviser, the staff is composed of undergraduate students.

THE HANDBOOK. This annual publication provides incoming freshmen with pertinent information concerning student life at West Chester. A student staff, advised by a faculty sponsor, prepares *The Handbook*.

STATION WCSC

The radio station, WCSC, is maintained by the Intracollegiate Governmental Association as a service to the College. The station is on the air in the afternoons and evenings and brings national and local news as

well as music to the campus. Students who take part in the project gain a working experience in programming and announcing.

SERVICE ORGANIZATIONS

THE FRIARS SOCIETY. Composed of sophomore, junior, and senior men, invited into the organization in recognition of character and leadership. The Society's various service projects concern the good of the college community.

ALPHA SIGMA PHI (THE ALPHITE SOCIETY). A group of college women dedicated to service and upholding the scholastic standards of the College. Membership is by invitation.

THE WEST CHESTER STATE COLLEGE JUNIOR CHAMBER OF COMMERCE. An organization which serves as a training ground for community service and leadership. Membership is open to all interested men who have completed the freshman year.

ALPHA PHI OMEGA. A national men's service organization concerned with developing leadership and furthering the American heritage of freedom. Membership in Omicron Upsilon chapter is open to all West Chester men who have completed their first semester and have a background in scouting.

HONOR SOCIETIES

ALPHA PSI OMEGA. Rho Mu, the West Chester chapter of this coeducational dramatic fraternity, was established in 1961. It is responsible for one major production presented each year in cooperation with the Little Theatre.

GAMMA THETA UPSILON. Gamma Eta chapter of this professional geography fraternity was established at West Chester in 1963. The organization promotes professional interest in geography.

KAPPA DELTA PI. The School of Education sponsors this fraternity to encourage high professional standards in education. Membership is awarded by invitation to education majors with high academic standing.

MATHEMATICS HONOR SOCIETY. Organized in 1962, this society is open to students who have completed eighteen semester credits in mathematics with a minimum average of 3.0.

PI GAMMA MU. The Division of Social Sciences sponsors Pi Gamma Mu for the purpose of improving scholarship in the social sciences and to inspire social service to mankind. Majors in the Division of Social Sciences with high academic accomplishments are invited into membership in their junior and senior years.

PHI MU ALPHA (Sinfonia Fraternity). Rho Sigma chapter of this professional fraternity for men majoring in music was formed at West Chester in 1967. The organization seeks to advance the cause of music in America and to further the welfare and brotherhood of students in music. Membership is by invitation. Members must be in at least their second semester.

SOCIAL EVENTS

A number of traditional social events highlight the student calendar throughout the year. Students look forward to the excitement and color of Rampage Weekend (homecoming), and to such pleasant affairs as the Christmas dance, the Easter "Bunny Hop," Spring Weekend, Senior Weekend, and the various class formals.

THE ALUMNI

West Chester has a large and active alumni association whose members demonstrate a marked devotion to the College. The Association holds its yearly meeting during the annual Alumni Day, which takes place shortly before Commencement and is always well attended. Branch organizations are maintained in a number of communities.

P ROGRAMS OF STUDY

DEGREE REQUIREMENTS

WEST CHESTER STATE COLLEGE offers programs leading to the Bachelor of Arts, the Bachelor of Science, and the Bachelor of Music degrees. The Bachelor of Science degree is awarded in the field of teacher education. Academic concentrations in teacher education may be undertaken in elementary education, in secondary education with specialization in any of a number of disciplines, in health and physical education, and in music education.

The Bachelor of Arts degree may be earned by undertaking concentrations in subject fields within the humanities, the social sciences, the sciences, mathematics, and music. It is also possible for the student to develop a pre-professional program within the structure of the appropriate area of concentration; several of these programs are interdisciplinary in nature.

Certain basic studies (General Requirements) are common to all curricula. Although minor variations exist, these studies are normally composed of courses in the humanities, social sciences, and sciences-mathematics. A student must consult with his academic adviser to determine his specific curriculum requirements. The basic design for the General Requirements of the College is shown on Page 57.

All curricula offered at West Chester are delineated on Page 56. Detailed information about programs and degree requirements follows, under the headings of the College of Arts and Sciences, the School of Education, the School of Health and Physical Education, and the School of Music.

All courses, and the sequences in which they are given, are subject to change for administrative reasons.

CURRICULA OFFERED AT WEST CHESTER

TEACHER EDUCATION

<i>Elementary Education</i>	Earth and Space Science	<i>Cooperative Degree Programs for:</i>
	Physics	Dental Hygienists
<i>Secondary Education</i>	Social Sciences	Public School Nurses
Comprehensive English	Comprehensive Social Studies	
Foreign Languages	History	<i>Special Education Programs</i>
French	Speech and Theatre	Degree Program: Teach- ing the Speech and Hearing Handicapped*
German		Certification Programs:
Latin	<i>Health and Physical Education</i>	Teaching the Mentally Retarded
Russian	Degree Program	Teaching the Physi- cally Handicapped
Spanish	Certification Program:	
Geography	Education for Safe Living	
Mathematics		
Sciences	<i>Music Education</i>	
Biology		
Chemistry		
Comprehensive Science		

ARTS AND SCIENCES

<i>Humanities</i>	<i>Social Sciences</i>	Chemistry
Art	Economics	Physics
Foreign Languages	Geography	<i>Mathematics</i>
French	History	<i>Programs in Music</i>
German	Political Science	B.A. Degree
Latin	Psychology	B.Mus. Degree
Russian	Sociology—Anthropology	
Spanish	Social Service and Personnel Work	<i>Interdisciplinary Programs</i>
Literature		American Studies
Philosophy	<i>Sciences</i>	Russian Studies
Speech Arts	Biology	
Theatre Arts		

* Pending Department of Public Instruction approval.

GENERAL REQUIREMENTS FOR ALL CURRICULA

1	SKILLS AND COMPETENCIES	12 or 18 semester hours	
	a. English Composition		6
	b. Speech		2
	c. Foreign Language		6
	<small>Required for all Bachelor of Arts degrees and for B.S. in Education (Secondary) in field of English. Must be through intermediate level. Not required for B.S. in Education degree in other fields.</small>		
	<small>Required for Bachelor of Music degree but need not be at intermediate level.</small>		
	d. Physical Education		2
	e. Health		2
2	HUMANITIES	15 semester hours	
	a. Literature (1 Required, 1 Elective)		6
	b. Art		3
	c. Music		3
	d. Philosophy		3
3	SOCIAL SCIENCES	15 semester hours	
	a. History (1 Required, 1 Elective)		6
	b. Geography		3
	c. Psychology or Sociology		3
	d. Political Science or Economics		3
4	SCIENCES	11 semester hours	
	a. Science (with Lab)		8
	b. Mathematics		3
5	FREE ELECTIVES	3 semester hours	
TOTAL			56 or 62

Note: The courses required should be mutually agreeable to the curricular areas concerned. Freedom of choice for the student, with his adviser's approval, to elect substitutes to meet area requirements is recommended. *Note also:* Majors in health and physical education, elementary education, music education, and students pursuing the B.Mus. degree will find the minor variations in their General Requirements outlined under the heading of their Schools.

COLLEGE OF ARTS AND SCIENCES

Kenneth C. Slagle, *Dean*

Thomas J. Corr, *Assistant to the Dean*

THE COLLEGE OF ARTS AND SCIENCES provides the administrative framework for West Chester's expanding program in the arts and sciences. The College of Arts and Sciences is composed of three Divisions, each embracing the following departments:

DIVISION OF
ARTS AND LETTERS

Department of Art
Department of English
Department of Foreign Languages
Department of Philosophy
Department of Speech and Theatre

DIVISION OF
SCIENCES AND MATHEMATICS

Department of Biology
Department of Chemistry
Department of Mathematics
Department of Physics

DIVISION OF SOCIAL SCIENCES

Department of Economics
Department of Geography
Department of History
Department of Political Science
Department of Psychology
Department of Sociology and Anthropology

The College of Arts and Sciences offers programs leading to the Bachelor of Arts degree. It also provides most of the courses which meet the General Requirements component common to every curriculum. Majors in secondary education obtain the specialized preparation necessary for their field in the College of Arts and Sciences, and it is here, also, that elementary education majors receive most of their courses in areas of concentration.

The College of Arts and Sciences works jointly with the School of Education in developing degree requirements in elementary and secondary education. The responsibility for final certification of all students seeking the Bachelor of Science in Education rests with the Dean of the School of Education.

There is also close cooperation and interchange between the College of Arts and Sciences and the other Schools of the College in the development of their respective curricula. The programs of the Division of Arts and Letters, for example, are broadened by appropriate courses given in the School of Music.

The degree requirements for the various programs leading to the Bachelor of Arts and the Bachelor of Science in Education (secondary) are outlined on the following pages, under the heading of departments, alphabetically arranged within their divisions.

INTERDISCIPLINARY PROGRAMS

Two interdisciplinary programs — one in American Studies and the other in Russian Studies — which lead to the Bachelor of Arts degree are shown following the Division of Social Sciences. These programs draw on the resources of the Schools of Music and of Education as well as the College of Arts and Sciences.

DIVISION OF ARTS AND LETTERS

John W. Clokey, *Director*

BACHELOR OF ARTS

Concentrations in

Art	Philosophy
Foreign Languages	Speech Arts
Literature	Theatre Arts

BACHELOR OF SCIENCE IN EDUCATION

Concentrations in

Comprehensive English
Foreign Languages
Speech and Theatre

DEPARTMENT OF ART

H. Theodore Hallman, *Chairman*

BACHELOR OF ARTS

Concentration: *Art*

The concentration in art is designed to prepare students either for the broad areas of visual communications and environmental design or for competence in a specific medium or selected media. The program also teaches the language of visual expression from the twin approaches of historical analysis and studio practice. There is special focus on art as an integrating force within the humanities program. The concentration must be planned under advisement from the Department of Art faculty.

Degree candidates must satisfactorily complete a minimum of 128 semester hours, distributed among four areas as follows:

I GENERAL REQUIREMENTS

62 SEMESTER HOURS

(See opening pages, Programs of Study. Locate by leafing to black bar on margin.)

II ARTS AND LETTERS CORE REQUIREMENTS

18 SEMESTER HOURS

(1) PHILOSOPHY

3 semester hours — choose from

Lit 321	Great Books I	Phi 470	History of Philosophy, Ancient
Lit 322	Great Books II	Phi 471	History of Philosophy, Medieval
Lit 349	Bible as Literature	Phi 472	History of Philosophy, Modern
Phi 374	Problems of Aesthetics	Phi 486	Philosophy of Religion
Phi 380	Ethics	Phi 490	Logic
Phi 461	Indian Thought		
Phi 462	Chinese and Japanese Thought		

(2) HISTORY AND LITERATURE OF THE THEATRE

3 semester hours — choose from

Lit 332	English Drama to the Renaissance	ThA 308	History of the Theatre to 16th Century
Lit 333	Shakespeare I	ThA 309	History of the Theatre from 16th C. to Present
Lit 334	Shakespeare II	ThA 310	History and Aesthetics of the Oriental Theatre
Lit 351	Modern Drama I		
Lit 352	Modern Drama II		

(3) MUSIC HISTORY AND LITERATURE

2 - 3 semester hours — choose from

Mus 221	Music in Western Civilization I	Mus 323	Aesthetics and Music Criticism *
Mus 321	Music in Western Civilization II	Mus 421	Literature of the Musical Theater *
Mus 322	American Music *	Mus 422	Musico-Dramatic Production *

(4) ART HISTORY

3 semester hours — choose from

Art 401	Aesthetics: Contemporary Art Forms	Art 406	Western Art III: Rococo to Abstraction
Art 403	Primitive Art	Art 407	Oriental Art
Art 404	Western Art I: Antiquity and Middle Ages	Art 408	Arts of the United States
Art 405	Western Art II: Renais- sance, Mannerism, Baroque		

(5) ARTS AND LETTERS ELECTIVES

6 — 9 semester hours

Choose from any of the fields shown above.

* These are 2-credit courses.

III ART CONCENTRATION REQUIREMENTS

33 SEMESTER HOURS

Art 101 Fine Arts
(credited to General Requirements)
Art 320 Drawing
Art History
9 semester hours beyond the 3 hours
required in Core.
Choose from Art 403-404-405-406.

Studio Art
21 semester hours chosen from available
offerings, in consultation with Depart-
ment of Art.

IV ELECTIVES

15 SEMESTER HOURS

Choices to be made, under advisement, from studio art and art history, as well as other offerings in the Division of Arts and Letters. Art 401-407-408 are recommended.

A sample sequence of courses may be obtained from the Department of Art.

OFFERINGS IN ART

Art 101 Fine Arts	Art 401 Aesthetics: Contemporary Art Forms
Art 201 Arts and Crafts	Art 403 Primitive Art
Art 202 Art for the Elementary Grades	Art 404 Western Art I: Antiquity and Middle Ages
Art 301 Oil Painting I	Art 405 Western Art II: Renais- sance, Mannerism, Baroque
Art 302 Oil Painting II	Art 406 Western Art III: Rococo to Abstraction
Art 303 Watercolor	Art 407 Oriental Art
Art 310 Sculpture I	Art 408 Arts of the United States
Art 311 Sculpture II	
Art 312 Sculpture III	
Art 320 Drawing	
Art 330 Ceramics	
Art 340 Graphics	

DEPARTMENT OF ENGLISH

John W. Clokey, *Chairman*

BACHELOR OF ARTS

Concentration: *Literature*

The concentration in literature is a logical preparation for graduate studies, journalism, publishing, editing, public relations, advertising, specialized fields of business and industrial operations, and certain government careers. Competence in writing and familiarity with the literature of the Western world are foundations for leadership in many areas. The concentration should be planned with the adviser's help.

Candidates must complete a minimum of 128 semester hours, distributed among four areas as follows:

I GENERAL REQUIREMENTS 62 SEMESTER HOURS

(See opening pages, Programs of Study. Locate by leafing to black bar on margin.)

The required 6 hours of a foreign language must be through the intermediate (201-202) level.

The basic literature requirement is met with Lit 121 and Lit 127.

II ARTS AND LETTERS CORE REQUIREMENTS 18 SEMESTER HOURS

(1) PHILOSOPHY

3 semester hours — choose from

Lit 321	Great Books I	Phi 470	History of Philosophy, Ancient
Lit 322	Great Books II	Phi 471	History of Philosophy, Medieval
Lit 349	Bible as Literature	Phi 472	History of Philosophy, Modern
Phi 374	Problems of Aesthetics	Phi 486	Philosophy of Religion
Phi 380	Ethics	Phi 490	Logic
Phi 461	Indian Thought		
Phi 462	Chinese and Japanese Thought		

(2) HISTORY AND LITERATURE OF THE THEATRE

3 semester hours — choose from

Lit 332	English Drama to the Renaissance	ThA 308	History of the Theatre to 16th Century
Lit 333	Shakespeare I	ThA 309	History of the Theatre from 16th C. to Present
Lit 334	Shakespeare II	ThA 310	History and Aesthetics of the Oriental Theatre
Lit 351	Modern Drama I		
Lit 352	Modern Drama II		

(3) MUSIC HISTORY AND LITERATURE

2 - 3 semester hours — choose from

Mus 221	Music in Western Civilization I	Mus 323	Aesthetics and Music Criticism *
Mus 321	Music in Western Civilization II	Mus 421	Literature of the Musical Theater *
Mus 322	American Music *	Mus 422	Musico-Dramatic Production *

(4) ART HISTORY

3 semester hours — choose from

Art 401	Aesthetics: Contemporary Art Forms	Art 405	Western Art II: Renaissance, Mannerism, Baroque
Art 403	Primitive Art	Art 406	Western Art III: Rococo to Abstraction
Art 404	Western Art I: Antiquity and Middle Ages	Art 407	Oriental Art
		Art 408	Arts of the United States

(5) ARTS AND LETTERS ELECTIVES

6 — 9 semester hours

Choose from any of the fields shown above.

* These are 2-credit courses.

III LITERATURE CONCENTRATION REQUIREMENTS

39 SEMESTER HOURS

- Eng 101 English Composition
 Eng 102 English Composition
 (101-102 credited to General Requirements)
 Lit 121 General Literature I

- Lit 127 General Literature II
 (121-127 credited to General Requirements)
 Foreign Language 201-202
 (credited to General Requirements)

Electives, chosen, under advisement, from the following:

- | | |
|---|---|
| Lit 223 American Literature I | Lit 345 Criticism |
| Lit 224 American Literature II | Lit 346 Essay |
| Lit 225 English Literature I | Lit 348 Short Story |
| Lit 226 English Literature II | Eng 211 Mass Media in Society |
| Lit 329 Classical Mythology | Eng 216 News Reporting |
| Lit 330 Medieval Literature in
England | Eng 217 Feature Writing |
| Lit 331 Chaucer | Eng 218 History of Communications |
| Lit 335 Eighteenth Century
Literature | Eng 313 Advanced Writing |
| Lit 336 The Romantic Movement | Eng 314 History of Language |
| Lit 337 Victorian Literature | Eng 315 Advanced Grammar |
| Lit 338 Modern Irish Literature | Eng 317 Old English Language and
Literature |
| Lit 339 Tudor-Stuart Literature | Eng 318 Middle English Language
and Literature |
| Lit 341 Novel to 1870 | Eng 319 Linguistics — English |
| Lit 342 Contemporary Novel | Eng 321 Creative Writing |
| Lit 343 Contemporary Poetry | Eng 400 English Honors Seminar |
| Lit 344 Literary Form and Content
since World War II | |

Note: additional offerings in English are shown following requirements for the B.S. in Education degree, concentration in English.

IV ELECTIVES

9 SEMESTER HOURS

A typical sequence of courses may be obtained from the Department of English.

B.S. IN EDUCATION

Concentration: *Comprehensive English*

A student may qualify for the Pennsylvania Provisional Certificate in Comprehensive English by completing a minimum field requirement of 36 semester hours in English. Degree candidates must satisfactorily complete a minimum of 128 semester hours, distributed as follows:

I GENERAL REQUIREMENTS

62 SEMESTER HOURS

(See opening pages, Programs of Study. Locate by leafing to black bar on margin.)

The required 6 hours of a foreign language must be through the intermediate (201-202) level.

The basic literature requirement is met with Lit 121 and Lit 127.

II PROFESSIONAL EDUCATION REQUIREMENTS

28 SEMESTER HOURS

(See School of Education. Locate by leafing to black bar on margin.)

III SPECIALIZED PREPARATION AND ELECTIVES 36 SEMESTER HOURS

- | | | | |
|---------|---|---------|--|
| Lit 121 | General Literature I | Eng 316 | Teaching English in
Secondary Schools |
| Lit 127 | General Literature II
(121-127 credited to General Requirements) | | (credited to Professional Education) |
| Eng 313 | Advanced Writing | | Foreign Language 201-202 |
| Eng 314 | History of Language | | (credited to General Requirements) |
| Eng 315 | Advanced Grammar | | |

Electives — at least 14 semester hours are to be elected. Twelve of these must come from the following three groups:

- | | |
|--|---|
| <i>Group 1 (Choose at least one)</i> | <i>Group 3 (Choose at least one)</i> |
| Eng 317 Old English Language
and Literature | Eng 211 Mass Media in Society |
| Eng 318 Middle English Language
and Literature | Eng 212* Principles of Newspaper
Production I |
| Eng 319 Linguistics — English | Eng 213* Principles of Newspaper
Production II |
| Lit 330 Medieval Literature in
England | Eng 214* Principles of Yearbook
Production I |
| Lit 331 Chaucer | Eng 215* Principles of Yearbook
Production II |
| Lit 332 English Drama to the
Renaissance | Eng 216* News Reporting |
| Lit 333 Shakespeare I | Eng 217* Feature Writing |
| Lit 334 Shakespeare II | Eng 218* History of Communications |
| Lit 339 Tudor-Stuart Literature | Eng 321 Creative Writing |
| <i>Group 2 (Choose at least one)</i> | Lit 342 Contemporary Novel |
| Lit 321 Great Books I | Lit 343 Contemporary Poetry |
| Lit 322 Great Books II | Lit 344 Literary Form and Content
since World War II |
| Lit 329 Classical Mythology | Lit 345 Criticism |
| Lit 335 Eighteenth Century Literature | Lit 346 Essay |
| Lit 336 The Romantic Movement | Lit 348 Short Story |
| Lit 337 Victorian Literature | Lit 349 Bible As Literature |
| Lit 338 Modern Irish Literature | Lit 351 Modern Drama I |
| Lit 341 Novel to 1870 | Lit 352 Modern Drama II |
| Lit 353* Reading Interests of Secondary
School Students | |

* May be counted toward credit for 36-hour field requirement only upon approval by adviser.

A typical sequence of courses may be obtained from the Department of English.

ADDITIONAL OFFERINGS IN ENGLISH

The following courses, together with those shown above as electives in Groups 1, 2, and 3, constitute the complete offerings of the Department of English.

- | | |
|--|---|
| Eng 101 English Composition I | Lit 121 General Literature I |
| Eng 102 English Composition II | Lit 122 General Literature II |
| Eng 230 Business Communication | Lit 127 General Literature II |
| Eng 313 Advanced Writing | Lit 223 American Literature I |
| Eng 314 History of Language | Lit 224 American Literature II |
| Eng 315 Advanced Grammar | Lit 225 English Literature I |
| Eng 316 Teaching English in
the Secondary Schools | Lit 226 English Literature II |
| Eng 350 Children's Literature | Lit 347 Literature of Biography |
| Eng 400 English Honors Seminar | Lit 353 Reading Interests of Sec-
ondary School Students |

DEPARTMENT OF FOREIGN LANGUAGES

Alfred D. Roberts, *Chairman*

BACHELOR OF ARTS

Concentration: *Foreign Languages*

French	Russian
German	Spanish
Latin	

The concentration in foreign languages is intended as a preparation for careers involving the use of bilingual skills in government, business and industry, export-import companies, travel agencies, publishing houses, and social work. It is also intended as a preparation for graduate studies leading to advanced degrees. The concentration should be planned with the help of the faculty adviser. In most instances, the student will be strongly advised to elect the General Linguistics (302) course in his chosen language.

Candidates for the B.A. degree, with a concentration in any one of the foreign languages, must satisfactorily complete a minimum of 128 semester hours, distributed among four areas as follows:

- | | | |
|----|---|-------------------|
| I | GENERAL REQUIREMENTS | 62 SEMESTER HOURS |
| | (See beginning pages, Programs of Study. Locate by leafing to black bar on margin.) | |
| II | ARTS AND LETTERS CORE REQUIREMENTS | 18 SEMESTER HOURS |

(1) *PHILOSOPHY*

3 semester hours — choose from

- | | | | |
|---------|---------------------------------|---------|------------------------------------|
| Lit 321 | Great Books I | Phi 470 | History of Philosophy,
Ancient |
| Lit 322 | Great Books II | Phi 471 | History of Philosophy,
Medieval |
| Lit 349 | Bible as Literature | Phi 472 | History of Philosophy,
Modern |
| Phi 374 | Problems of Aesthetics | Phi 486 | Philosophy of Religion |
| Phi 380 | Ethics | Phi 490 | Logic |
| Phi 461 | Indian Thought | | |
| Phi 462 | Chinese and Japanese
Thought | | |

(2) *HISTORY AND LITERATURE OF THE THEATRE*

3 semester hours — choose from

- | | | | |
|---------|-------------------------------------|---------|---|
| Lit 332 | English Drama to the
Renaissance | ThA 308 | History of the Theatre
to the 16th Century |
| Lit 333 | Shakespeare I | ThA 309 | History of the Theatre
from 16th C. to Present |
| Lit 334 | Shakespeare II | ThA 310 | History and Aesthetics of
the Oriental Theatre |
| Lit 351 | Modern Drama I | | |
| Lit 352 | Modern Drama II | | |

(3) *MUSIC HISTORY AND LITERATURE*

2 - 3 semester hours — choose from

Mus 221	Music in Western Civilization I	Mus 323	Aesthetics and Music Criticism *
Mus 321	Music in Western Civilization II	Mus 421	Literature of the Musical Theater *
Mus 322	American Music *	Mus 422	Musico-Dramatic Production *

* These are 2-credit courses.

(4) *ART HISTORY*

3 semester hours — choose from

Art 401	Aesthetics: Contemporary Art Forms	Art 406	Western Art III: Rococo to Abstraction
Art 403	Primitive Art	Art 407	Oriental Art
Art 404	Western Art I: Antiquity and Middle Ages	Art 408	Arts of the United States
Art 405	Western Art II: Renaissance, Mannerism, Baroque		

(5) *ARTS AND LETTERS ELECTIVES*

6 — 9 semester hours

Choose from any of the fields shown above.

III FOREIGN LANGUAGE CONCENTRATION REQUIREMENTS 39 SEMESTER HOURS

(Shown below, under the heading of each language.)

IV FREE ELECTIVES (*as advised*) 9 SEMESTER HOURS

Linguistics 302 in the student's language is strongly recommended. Courses in music, literature, art, or the social sciences will be suggested in the light of the student's particular interests.

FRENCH — CONCENTRATION REQUIREMENTS (39 HOURS)

Fre 101*	Elementary French I	Fre 203	Advanced Grammar and Composition
Fre 102*	Elementary French II	Fre 204	Advanced Oral French
Fre 201	Intermediate French I	Fre 205	Survey of Literature I
Fre 202	Intermediate French II	Fre 206	Survey of Literature II

(201-202 credited to General Requirements)

Additional courses to complete the 39 hours are to be selected, under advisement, from French electives and/or related fields.

ELECTIVES

Electives in French are shown following Specialized Preparation for the B.S. in Education (French).

A typical sequence of courses may be obtained from the Department of Foreign Languages.

* Foreign language majors receive no credit toward graduation for 101 and 102 except in the case of students who, having completed their language requirements in their major, take the 101 and/or 102 level(s) of a second foreign language as free elective(s).

68 *FOREIGN LANGUAGE DEPARTMENT*

GERMAN — CONCENTRATION REQUIREMENTS (39 HOURS)

Ger 101* Elementary German I	Ger 203 Advanced Grammar and Composition
Ger 102* Elementary German II	Ger 204 Advanced Oral German
Ger 201 Intermediate German I	Ger 205 Survey of Literature I
Ger 202 Intermediate German II (201-202 credited to General Requirements)	Ger 206 Survey of Literature II

Additional courses to complete the 39 hours are to be selected, under advisement, from German electives and/or related fields.

ELECTIVES

Electives in German are shown following Specialized Preparation for the B.S. in Education (German).

A typical sequence of courses may be obtained from the Department of Foreign Languages.

LATIN — CONCENTRATION REQUIREMENTS (39 HOURS)

Lat 101* Elementary Latin I	Lat 202 Virgil (201-202 credited to General Requirements)
Lat 102* Elementary Latin II	Lat 303 Latin Prose Composition
Lat 201 Cicero	

Additional courses to complete the 39 hours are to be selected, under advisement, from Latin electives and/or related fields.

ELECTIVES

Electives in Latin are shown following Specialized Preparation for the B.S. in Education (Latin).

A typical sequence of courses may be obtained from the Department of Foreign Languages.

RUSSIAN — CONCENTRATION REQUIREMENTS (39 HOURS)

Rus 101* Elementary Russian I	Rus 203 Advanced Grammar and Composition
Rus 102* Elementary Russian II	Rus 204 Advanced Oral Russian
Rus 201 Intermediate Russian I	Rus 205 Advanced Readings in Russian I
Rus 202 Intermediate Russian II (201-202 credited to General Requirements)	Rus 206 Advanced Readings in Russian II

Additional courses to complete the 39 hours are to be selected, under advisement, from Russian electives and/or related fields.

ELECTIVES

Electives in Russian are shown following Specialized Preparation for the B.S. in Education (Russian).

A typical sequence of courses may be obtained from the Department of Foreign Languages.

* Foreign language majors receive no credit toward graduation for 101 and 102 except in the case of students who, having completed their language requirements in their major, take the 101 and/or 102 level(s) of a second foreign language as free elective(s).

SPANISH — CONCENTRATION REQUIREMENTS (39 HOURS)

Spa 101*	Elementary Spanish I	Spa 204	Advanced Oral Spanish
Spa 102*	Elementary Spanish II	Spa 205	Survey of Literature (Golden Age)
Spa 201	Intermediate Spanish I	Spa 206	Survey of Literature (Since 1800)
Spa 202	Intermediate Spanish II (201-202 credited to General Requirements)		
Spa 203	Advanced Grammar and Composition		

Additional courses to complete the 39 hours are to be selected, under advisement, from electives in Spanish and/or related fields.

ELECTIVES

Electives in Spanish are shown following Specialized Preparation for the B.S. in Education (Spanish).

A typical sequence of courses may be obtained from the Department of Foreign Languages.

B.S. IN EDUCATION

Concentration: *Foreign Languages*

French Russian
German Spanish
Latin

A student may qualify for the Pennsylvania Provisional Certificate in a foreign language by completing a minimum field requirement of 30 semester hours in the language. Pennsylvania Certification in the Modern Foreign Languages is contingent on satisfactorily passing the Modern Language Association Proficiency Tests for Teachers and Advanced Students.

Degree candidates must satisfactorily complete a minimum of 128 semester hours, distributed among four areas as follows:

I	GENERAL REQUIREMENTS	56 SEMESTER HOURS
	(See opening pages, Programs of Study. Locate by leafing to black bar on margin.)	
II	PROFESSIONAL EDUCATION REQUIREMENTS	28 SEMESTER HOURS
	(See School of Education. Locate by leafing to black bar on margin.)	
III	SPECIALIZED PREPARATION	30 SEMESTER HOURS
	(Shown below under the heading of each language.)	
IV	ELECTIVES	14 SEMESTER HOURS
	General Linguistics (302) in the chosen language is strongly recommended.	

* Foreign language majors receive no credit toward graduation for 101 and 102 except in the case of students who, having completed their language requirements in their major, take the 101 and/or 102 level(s) of a second foreign language as free elective(s).

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FRENCH — SPECIALIZED PREPARATION (30 HOURS)

Fre 101* Elementary French I	Fre 204 Advanced Oral French
Fre 102* Elementary French II	Fre 205 Survey of Literature I
Fre 201 Intermediate French I	Fre 206 Survey of Literature II
Fre 202 Intermediate French II	Fre 301 Advanced Language and Techniques
Fre 203 Advanced Grammar and Composition	(credited to Professional Education)

Additional courses to complete the 30 semester hours must be selected from French electives.

ELECTIVES IN FRENCH

Fre 302 General Linguistics	Fre 402 French Literature of the 19th Century
Fre 303 French in the Elementary School	Fre 403 Contemporary French Literature
Fre 304 French Civilization	Fre 404 French Classical Drama
Fre 401 French Literature of the 18th Century	Fre 410 Honors Seminar
	Fre 411 Honors Seminar

A typical sequence of courses may be obtained from the Department of Foreign Languages.

GERMAN — SPECIALIZED PREPARATION (30 HOURS)

Ger 101* Elementary German I	Ger 204 Advanced Oral German
Ger 102* Elementary German II	Ger 205 Survey of Literature I
Ger 201 Intermediate German I	Ger 206 Survey of Literature II
Ger 202 Intermediate German II	Ger 301 Advanced Language and Techniques
Ger 203 Advanced Grammar and Composition	(credited to Professional Education)

Additional courses to complete the 30 semester hours must be selected from German electives.

ELECTIVES IN GERMAN

Ger 302 General Linguistics	Ger 404 Goethe
Ger 401 The Age of Goethe	Ger 405 Scientific German
Ger 402 Contemporary German Literature	Ger 406 German Civilization
Ger 403 The German Short Story	Ger 410 Honors Seminar
	Ger 411 Honors Seminar

A typical sequence of courses may be obtained from the Department of Foreign Languages.

* Foreign language majors receive no credit toward graduation for 101 and 102 except in the case of students who, having completed their language requirements in their major, take the 101 and/or 102 level(s) of a second foreign language as free elective(s).

L A T I N — SPECIALIZED PREPARATION (30 HOURS)

Lat 301 Advanced Language and
Techniques

(credited to Professional Education)

Lat 303 Latin Prose Composition

Additional courses to complete the 30 semester hours must be selected from electives in Latin.

Lat 101* Elementary Latin I

Lat 102* Elementary Latin II

Lat 201 Cicero

Lat 202 Virgil

ELECTIVES IN LATIN

Lat 302 The Lyric Poets

Lat 304 The Elegiac Poets

Lat 305 Reading Course

Lat 306 Roman Historians

Lat 401 Roman Drama

Lat 402 Roman Philosophy

Lat 403 Roman Satire

Lat 404 The Latin Novel

Lat 405 Medieval Latin

Lat 406 Tutorial Course

A typical sequence of courses may be obtained from the Department of Foreign Languages.

R U S S I A N — SPECIALIZED PREPARATION (30 HOURS)

Rus 101* Elementary Russian I

Rus 102* Elementary Russian II

Rus 201 Intermediate Russian I

Rus 202 Intermediate Russian II

Rus 203 Advanced Grammar and
Composition

Rus 204 Advanced Oral Russian

Rus 205 Advanced Readings I

Rus 206 Advanced Readings II

Rus 301 Advanced Language and
Techniques

(credited to Professional Education)

Additional courses to complete the 30 semester hours must be selected from electives in Russian.

ELECTIVES IN RUSSIAN

Rus 302 General Linguistics

Rus 303 Scientific Russian I

Rus 304 Scientific Russian II

Rus 401 The Russian Novel

Rus 402 The Russian Drama

Rus 410 Honors Seminar

Rus 411 Honors Seminar

A typical sequence of courses may be obtained from the Department of Foreign Languages.

S P A N I S H — SPECIALIZED PREPARATION (30 HOURS)

Spa 101* Elementary Spanish I

Spa 102* Elementary Spanish II

Spa 201 Intermediate Spanish I

Spa 202 Intermediate Spanish II

Spa 203 Advanced Grammar and
Composition

Spa 204 Advanced Oral Spanish

Spa 205 Survey of Literature
(Golden Age)

Spa 206 Survey of Literature
(Since 1800)

Spa 301 Advanced Language and
Techniques

(credited to Professional Education)

Additional courses to complete the 30 semester hours must be selected from electives in Spanish.

* Foreign language majors receive no credit toward graduation for 101 and 102 except in the case of students who, having completed their language requirements in their major, take the 101 and/or 102 level(s) of a second foreign language as free elective(s).

ELECTIVES IN SPANISH

Spa 302	General Linguistics	Spa 402	Contemporary Spanish Literature
Spa 303	Spanish in the Elementary School	Spa 403	The Spanish "Comedia"
Spa 304	Spanish Civilization	Spa 404	The Picaresque Novel
Spa 401	Spanish-American Literature	Spa 410	Honors Seminar
		Spa 411	Honors Seminar

A typical sequence of courses may be obtained from the Department of Foreign Languages.

GREEK AND ITALIAN

The following courses in Greek and Italian are offered, but no major or minor field is available.

GREEK

Gre 101	Beginning Greek I	Gre 201	Intermediate Greek I
Gre 102	Beginning Greek II	Gre 202	Intermediate Greek II

ITALIAN

Ita 101	Elementary Italian I	Ita 201	Intermediate Italian I
Ita 102	Elementary Italian II	Ita 202	Intermediate Italian II

THE JUNIOR YEAR ABROAD PROGRAM

The following courses in French are offered at the University of Montpellier, France, under the Junior Year Abroad Program sponsored by West Chester State College. The program is designed for prospective teachers of French in order to give them a firsthand acquaintance with French life and enable them to achieve a native command of the language.

The program is open to any student enrolled in a Pennsylvania college or university who has completed the equivalent of two years of college French and is able to take lectures in French. During the time the student is enrolled in the program, he is a student of West Chester State College and will receive a minimum of 30 credits for a full two semesters of college work after successful completion of the year-abroad program of studies. Each course runs for two semesters and is conducted entirely in French by French professors.

COURSE OFFERINGS

Fre 361-62	Advanced Grammar and Composition	Fre 365-66	Phonetics and Translation
Fre 363-64	Advanced French Conversation	Fre 367-68	Contemporary French Civilization
		Fre 369-70	Linguistic Studies

DEPARTMENT OF PHILOSOPHY

George S. Claghorn, *Chairman*

BACHELOR OF ARTS

Concentration: *Philosophy*

Philosophy aims to familiarize the student with our intellectual heritage, to promote clear thinking, and to encourage an understanding of other people. As philosophy analyzes and relates many disciplines, it is general education in the broadest sense. The philosophy concentration is standard preparation for opportunities in business and industry, particularly in connection with computers. It leads also to government posts dealing with personnel, problem-solving, and work with other cultures. Philosophy is recommended for pre-law and pre-seminary students. This concentration opens the way to graduate work and to careers in college teaching.

Candidates must satisfactorily complete a minimum of 128 semester hours, distributed among four areas as follows:

I GENERAL REQUIREMENTS 62 SEMESTER HOURS

(See opening pages, Programs of Study. Locate by leafing to black bar on margin.)

II ARTS AND LETTERS CORE REQUIREMENTS 18 SEMESTER HOURS

(1) PHILOSOPHY

3 semester hours — choose from

Lit 321	Great Books I	Phi 470	History of Philosophy, Ancient
Lit 322	Great Books II	Phi 471	History of Philosophy, Medieval
Lit 349	Bible as Literature	Phi 472	History of Philosophy, Modern
Phi 374	Problems of Aesthetics	Phi 486	Philosophy of Religion
Phi 380	Ethics	Phi 490	Logic
Phi 461	Indian Thought		
Phi 462	Chinese and Japanese Thought		

(2) HISTORY AND LITERATURE OF THE THEATRE

3 semester hours — choose from

Lit 332	English Drama to the Renaissance	ThA 308	History of the Theatre to 16th Century
Lit 333	Shakespeare I	ThA 309	History of the Theatre from 16th C. to Present
Lit 334	Shakespeare II	ThA 310	History and Aesthetics of the Oriental Theatre
Lit 351	Modern Drama I		
Lit 352	Modern Drama II		

(3) *MUSIC HISTORY AND LITERATURE*

2 - 3 semester hours — choose from

Mus 221	Music in Western Civilization I	Mus 323	Aesthetics and Music Criticism *
Mus 321	Music in Western Civilization II	Mus 421	Literature of the Musical Theater *
Mus 322	American Music *	Mus 422	Musico-Dramatic Production *

(4) *ART HISTORY*

3 semester hours — choose from

Art 401	Aesthetics: Contemporary Art Forms	Art 405	Western Art II: Renaissance, Mannerism, Baroque
Art 403	Primitive Art	Art 406	Western Art III: Rococo to Abstraction
Art 404	Western Art I: Antiquity and Middle Ages	Art 407	Oriental Art
		Art 408	Arts of the United States

(5) *ARTS AND LETTERS ELECTIVES*

6 — 9 semester hours

Choose from any of the fields shown above.

III *PHILOSOPHY CONCENTRATION REQUIREMENTS* 39 SEMESTER HOURS

Phi 470	History of Philosophy, Ancient	Phi 499	Seminar in Modern Philosophy
Phi 472	History of Philosophy, Modern		(Plus 27 hours chosen under advisement; Phi 374, 380, 490 recommended.)
Phi 498	Seminar in Ancient Philosophy		

IV *ELECTIVES* 9 SEMESTER HOURS

(Chosen under advisement)

A typical sequence of courses may be obtained from the Department of Philosophy.

OFFERINGS IN PHILOSOPHY

Phi 280	Introduction to Philosophy	Phi 483	Philosophy of History
Phi 374	Problems of Aesthetics	Phi 484	American Philosophy
Phi 380	Ethics	Phi 485	Contemporary Philosophy
Phi 460	Near Eastern Religions	Phi 486	Philosophy of Religion
Phi 461	Indian Thought	Phi 487	Philosophy of Science
Phi 462	Chinese and Japanese Thought	Phi 488	Theory of Knowledge
Phi 470	History of Philosophy, Ancient	Phi 490	Logic
Phi 471	History of Philosophy, Medieval	Phi 491	Advanced Logic
Phi 472	History of Philosophy, Modern	Phi 498	Seminar in Ancient Philosophy
		Phi 499	Seminar in Modern Philosophy

* These are 2-credit courses.

DEPARTMENT OF SPEECH AND THEATRE

Harold L. Hayes, *Chairman*

The aims of the Department of Speech and Theatre are to help the student to develop into an independent, responsible, and effective citizen by enabling him to grasp the nature and scope of the communicative process and to develop a mastery of the skills of oral communication and the performing arts.

All three of the programs offered have certain courses in common. Beyond these it is possible to develop curricular and co-curricular programs affording particular emphasis on one of three areas: communication, theatre, or speech sciences.

Contingent upon approval from the Department of Public Instruction, the Department will also offer a degree program in the field of Special Education (see below).

BACHELOR OF ARTS DEGREES

A. Concentration: *Speech Arts*

Candidates must satisfactorily complete a minimum of 128 semester hours, distributed among four areas as follows:

I GENERAL REQUIREMENTS	62 SEMESTER HOURS
(See opening pages, Programs of Study. Locate by leafing to black bar on margin.)	
II ARTS AND LETTERS CORE REQUIREMENTS	18 SEMESTER HOURS

(1) PHILOSOPHY

3 semester hours — choose from

Lit 321 Great Books I	Phi 470 History of Philosophy. Ancient
Lit 322 Great Books II	
Lit 349 Bible as Literature	Phi 471 History of Philosophy, Medieval
Phi 374 Problems of Aesthetics	
Phi 380 Ethics	Phi 472 History of Philosophy, Modern
Phi 461 Indian Thought	
Phi 462 Chinese and Japanese Thought	Phi 486 Philosophy of Religion Phi 490 Logic

(2) HISTORY AND LITERATURE OF THE THEATRE

3 semester hours — choose from

Lit 332 English Drama to the Renaissance	ThA 308 History of the Theatre to 16th Century
Lit 333 Shakespeare I	ThA 309 History of the Theatre from 16th C. to Present
Lit 334 Shakespeare II	
Lit 351 Modern Drama I	ThA 310 History and Aesthetics of the Oriental Theatre
Lit 352 Modern Drama II	

(3) *MUSIC HISTORY AND LITERATURE*

2 - 3 semester hours — choose from

Mus 221	Music in Western Civilization I	Mus 323	Aesthetics and Music Criticism *
Mus 321	Music in Western Civilization II	Mus 421	Literature of the Musical Theater *
Mus 322	American Music *	Mus 422	Musico-Dramatic Production *

(4) *ART HISTORY*

3 semester hours — choose from

Art 401	Aesthetics: Contemporary Art Forms	Art 405	Western Art II: Renaissance, Mannerism, Baroque
Art 403	Primitive Art	Art 406	Western Art III: Rococo to Abstraction
Art 404	Western Art I: Antiquity and Middle Ages	Art 407	Oriental Art
		Art 408	Arts of the United States

(5) *ARTS AND LETTERS ELECTIVES*

6 — 9 semester hours

Choose from any of the fields shown above.

III *SPEECH ARTS CONCENTRATION REQUIREMENTS* 36 SEMESTER HOURS

Sph 101	Fundamentals of Speaking (credited to General Requirements)	Sph 204	General Semantics
Sph 103	Discussion	ThA 101	Introduction to Theatre
ThA 105	Interpretive Reading	ThA 309	History of Theatre 16th C. to Present
Sph 106	Phonetics	SpS 201	Introduction to Speech Problems
Sph 201	Public Address		

Additional courses in Speech and Theatre as advised. (12 semester hours.)

IV *ELECTIVES (as advised)* 12 SEMESTER HOURS

A typical sequence of courses may be obtained from the Department of Speech and Theatre.

B. Concentration: *Theatre Arts*

Candidates for the B.A. degree with a concentration in Theatre Arts must satisfactorily complete a minimum of 128 semester hours, distributed among four areas as follows:

I *GENERAL REQUIREMENTS* 62 SEMESTER HOURS

(See opening pages, Programs of Study. Locate by leafing to black bar on margin.)

* These are 2-credit courses.

SPEECH/THEATRE DEPARTMENT 77

II ARTS AND LETTERS CORE REQUIREMENTS 18 SEMESTER HOURS
 (See Concentration: Speech Arts above)

III THEATRE ARTS CONCENTRATION REQUIREMENTS 40 SEMESTER HOURS

Sph 101 Fundamentals of Speaking (credited to General Requirements)	ThA 309 History of Theatre 16th C. to Present
ThA 100 Theatre Practice	Sph 103 Discussion
ThA 101 Introduction to Theatre	Sph 401 Psychology of Speech
ThA 102 Beginning Acting	Lit 332 English Drama to the Renaissance
ThA 204 Stagecraft and Management	Lit 351 Modern Drama I
ThA 301 Play Direction	Lit 352 Modern Drama II
ThA 308 History of Theatre to 16th Century	

Electives in Theatre Arts as advised.

IV ELECTIVES (as advised) 8 SEMESTER HOURS

A typical sequence of courses may be obtained from the Department of Speech and Theatre.

B.S. IN EDUCATION

Concentration: *Speech and Theatre*

A student may qualify for the Pennsylvania Provisional Certificate in Speech and Theatre by completing a minimum field requirement of 44 semester hours. Degree candidates must satisfactorily complete a minimum of 128 semester hours distributed in four areas, as follows:

I GENERAL REQUIREMENTS 56 SEMESTER HOURS
 (See opening pages, Programs of Study. Locate by leafing to black bar on margin.)

II PROFESSIONAL EDUCATION REQUIREMENTS 28 SEMESTER HOURS
 (See School of Education. Locate by leafing to black bar on margin.)

III SPECIALIZED PREPARATION 34 SEMESTER HOURS

Sph 101 Fundamentals of Speaking (credited to General Requirements)	ThA 206 Theatre Production for Young People
Sph 103 Discussion	ThA 301 Play Direction
Sph 105 Voice and Diction	SpS 201 Introduction to Speech Problems
Sph 201 Public Address	Sph 401 Psychology of Speech
Sph 203 Argumentation and Debate	Sph 402 Methods in the Teaching of Speech and Drama (credited to Professional Education)
ThA 100 Theatre Practice	
ThA 101 Introduction to Theatre	
ThA 102 Beginning Acting	
ThA 105 Interpretive Reading	

IV ELECTIVES (as advised) 10 SEMESTER HOURS

A typical sequence of courses may be obtained from the Department of Speech and Theatre.

DEGREE PROGRAM IN SPECIAL EDUCATION

Pending Department of Public Instruction approval, the Department of Speech and Theatre will offer a degree program leading to a B.S. in Education, with Teaching the Speech and Hearing Handicapped as the concentration. Interested students are advised to consult with the Chairman of the Department of Speech and Theatre. Materials outlining the program are available in his office.

Two certification programs which West Chester State College presently offers in Special Education are described under the School of Education.

OFFERINGS IN SPEECH AND THEATRE

<i>Speech</i>	ThA 105	Interpretive Reading
Sph 101 Fundamentals of Speaking	ThA 201	Stage Makeup
Sph 102 Advanced Public Speaking	ThA 202	Television Production Techniques
Sph 103 Discussion	ThA 204	Stagecraft and Production Management
Sph 105 Voice and Diction	ThA 205	Advanced Interpretive Reading
Sps 106 Phonetics	ThA 206	Theatre Production for Young People
Sph 201 Public Address	ThA 207	Creative Dramatics
Sph 203 Argumentation and Debate	ThA 301	Play Direction
Sph 204 General Semantics	ThA 302	Direction and Production of the Instructional Television Program
Sph 303 Advanced Argumentation and Debate	ThA 304	Scene Design
Sph 402 Methods in the Teaching of Speech and Drama	ThA 305	Stage Costuming
Sph 403 Persuasion	ThA 307	Stage Lighting
<i>Speech Science</i>	ThA 308	History of the Theatre to the 16th C.
SpS 201 Introduction to Speech Problems	ThA 309	History of the Theatre 16th C. to Present
SpS 202 Speech Pathology	ThA 310	History and Aesthetics of the Oriental Theatre
SpS 301 Introduction to Audiology	ThA 401	Advanced Directing
SpS 302 Speech and Language Development	ThA 402	Direction and Production of the Dramatic Television Program
SpS 303 Clinical Practice	ThA 403	Advanced Acting
<i>Theatre Arts</i>	ThA 404	Advanced Scene Design
ThA 100 Theatre Practice		
ThA 101 Introduction to the Theatre		
ThA 102 Beginning Acting I		
ThA 103 Beginning Acting II		
ThA 104 Introduction to Technical Production		

DIVISION OF SCIENCES AND MATHEMATICS

Albert E. Filano, *Director*

BACHELOR OF ARTS

Concentrations in

Biology	Mathematics
Chemistry	Physics

BACHELOR OF SCIENCE IN EDUCATION

Concentrations in

Biology	Comprehensive Science
Chemistry	Earth and Space Science
Mathematics	Cooperative Degree Programs for
Physics	Dental Hygienists
	Public School Nurses

DEPARTMENT OF BIOLOGY

James M. McDonnell, *Interim Chairman*

The concentration in biology centers about a core of courses which emphasize broad unifying principles. The foundation subjects, botany and zoology, are followed by the integrative disciplines of genetics, ecology, and general physiology. Available electives provide enriching experiences in both the basic and taxonomic subdivisions of biology.

BACHELOR OF ARTS

Concentration: *Biology*

The B. A. program in biology provides both the liberal education and the special preparation required for careers in college teaching, government service, independent and industrial research, science-related sales and public relations, as well as private enterprise. This program also prepares students to qualify for admission to graduate and professional schools.

Candidates must satisfactorily complete a minimum of 128 semester hours distributed among four areas as follows:

I GENERAL REQUIREMENTS

62 SEMESTER HOURS

(See opening pages, Programs of Study. Locate by leafing to black bar on margin.)

80 *BIOLOGY DEPARTMENT*

II SCIENCE CORE REQUIREMENTS

28 SEMESTER HOURS

- Che 103 General Chemistry I
 Che 104 General Chemistry II
 (103-4 credited to General Requirements)
 Mat 105 College Algebra and
 Trigonometry
 (credited to General Requirements)
 Mat 141 Analytic Geometry and
 Calculus I
 Che 231 Organic Chemistry I
 Elective in astronomy or earth science.

- Che 232 Organic Chemistry II
 Phy 101 Physics I
 Phy 102 Physics II
 Mat 142 Analytic Geometry and
 Calculus II
 Mat 241 Analytic Geometry and
 Calculus III
 (or)
 Mat 121 Statistics

III BIOLOGY CONCENTRATION REQUIREMENTS

32 SEMESTER HOURS

- Bio 111 Botany I
 Bio 112 Botany II
 Bio 141 Zoology I
 Bio 142 Zoology II

- Bio 301 Genetics
 Bio 302 Ecology
 Bio 344 General Physiology
 Bio 450 Biology Seminar

A minimum of 6 additional semester hours in biology must be chosen from available electives.

IV ELECTIVES (as advised)

6 SEMESTER HOURS

Offerings in biology are shown following requirements for the B.S. in Education degree.

A typical sequence of courses may be obtained from the Department of Biology.

B.S. IN EDUCATION

Concentration: *Biology*

A student may qualify for the Pennsylvania Provisional Certificate in biology by completing a minimum field requirement of 39 semester hours as indicated below. Degree candidates must satisfactorily complete a minimum of 128 semester hours distributed among four areas as follows:

I GENERAL REQUIREMENTS

56 SEMESTER HOURS

(See opening pages, Programs of Study. Locate by leafing to black bar on margin.)

II PROFESSIONAL EDUCATION REQUIREMENTS

28 SEMESTER HOURS

(See School of Education. Locate by leafing to black bar on margin.)

III SPECIALIZED PREPARATION

39 SEMESTER HOURS

Required in Related Fields

- Che 103 General Chemistry I
 Che 104 General Chemistry II
 (103-4 credited to General Requirements)
 Mat 105 College Algebra and
 Trigonometry
 (credited to General Requirements)

- Che 231 Organic Chemistry I
 Sci 350 Teaching Biology in
 Secondary Schools
 (credited to Professional Education)

Required in Biology

Bio 111 Botany I	Bio 301 Genetics
Bio 112 Botany II	Bio 302 Ecology
Bio 141 Zoology I	Bio 344 General Physiology
Bio 142 Zoology II	Bio 450 Biology Seminar

A minimum of an additional 9 semester hours in biology must be chosen from available electives.

IV ELECTIVES (as advised) 5 SEMESTER HOURS

A typical sequence of courses may be obtained from the Department of Biology.

OFFERINGS IN BIOLOGY

Bio 100 Basic Biological Science	Bio 310 Bacteriology
Bio 111 Botany I	Bio 341 Entomology
Bio 112 Botany II	Bio 341E Basic Entomology
Bio 141 Zoology I	Bio 343 Physiological Chemistry
Bio 142 Zoology II	Bio 344 General Physiology
Bio 210 Field Botany	Bio 345 Plant Physiology
Bio 241 Field Zoology	Bio 346 Plant Structure
Bio 242 Ornithology	Bio 351 Embryology
Bio 243 Comparative Anatomy	Bio 355 Wildlife Conservation
Bio 261 Human Anatomy	Bio 402 Cytology
Bio 262 Human Physiology	Bio 411 Plant Taxonomy
Bio 301 Genetics	Bio 450 Biology Seminar
Bio 301E Basic Genetics	Bio 452 Special Problems in Biology
Bio 302 Ecology	
Bio 302E Basic Ecology	

DEPARTMENT OF CHEMISTRY

Justo B. Bravo, *Chairman*

The basic core program in the specialization in chemistry is designed to provide a survey of the four principal branches of that science: analytical, inorganic, organic, and physical chemistry. This is followed by a required sequence of courses covering the various areas of modern chemistry.

BACHELOR OF ARTS

Concentration: *Chemistry*

The B.A. program in chemistry enables the student to receive basic preparation required for the career of his choice. Such choices could be college and university teaching, positions as professional chemists, research work, and various services in industry and government. In all cases, the program will prepare the student for graduate study in the field of chemistry.

Candidates must satisfactorily complete a minimum of 128 semester hours distributed among four areas as follows:

I. GENERAL REQUIREMENTS 62 SEMESTER HOURS

(See opening pages, Programs of Study. Locate by leafing to black bar on margin.)

The required 6 semester hours of foreign language at the intermediate level must be met in French, German, or Russian.

82 CHEMISTRY DEPARTMENT

II SCIENCE CORE REQUIREMENTS		28 SEMESTER HOURS
Biological Sciences: <i>either</i>		
Bio 111-112	Botany I-II <i>or</i>	Mat 142 Analytic Geometry and Calculus II
Bio 141-142	Zoology I-II	Mat 241 Analytic Geometry and Calculus III
Phy 101-102	Physics I-II	Mat 242 Analytic Geometry and Calculus IV
Elective in Astronomy or Earth Science		
Mat 141	Analytic Geometry and Calculus I (credited to General Requirements)	

III CHEMISTRY CONCENTRATION REQUIREMENTS		34 SEMESTER HOURS
Che 103	General Chemistry I	Che 342 Physical Chemistry II
Che 104	General Chemistry II (103-4 credited to General Requirements)	Che 410 Advanced Inorganic Chemistry
Che 231	Organic Chemistry I	Che 432 Qualitative Organic Analysis
Che 232	Organic Chemistry II	Che 480 Introduction to Chemical Research
Che 321	Quantitative Analysis	Mat 343 Differential Equations
Che 324	Instrumental Methods of Analysis	
Che 341	Physical Chemistry I	

IV ELECTIVES (as advised) 4 SEMESTER HOURS
 (Offerings in chemistry are shown following requirements for the B.S. in Education degree.)

A typical sequence of courses may be obtained from the Department of Chemistry.

B.S. IN EDUCATION

Concentration: *Chemistry*

A student may qualify for the Pennsylvania Provisional Certificate in chemistry by completing a minimum field requirement of 40 semester hours as indicated below.

Degree candidates must satisfactorily complete a minimum of 128 semester hours distributed among four areas as follows:

I	GENERAL REQUIREMENTS	56 SEMESTER HOURS
	(See opening pages, Programs of Study. Locate by leafing to black bar on margin.)	
II	PROFESSIONAL EDUCATION REQUIREMENTS	28 SEMESTER HOURS
	(See School of Education. Locate by leafing to black bar on margin.)	
III	SPECIALIZED PREPARATION	40 SEMESTER HOURS
<i>Required in Related Fields</i>		
Phy 101	Physics I	Mat 142 Analytic Geometry and Calculus II
Phy 102	Physics II (101-2 credited to General Requirements)	Mat 241 Analytic Geometry and Calculus III
Mat 141	Analytic Geometry and Calculus I (credited to General Requirements)	Sci 350 Teaching Science in Secondary Schools (credited to Professional Education)

Required in Chemistry

Che 103	General Chemistry I	Che 324	Instrumental Methods of Analysis
Che 104	General Chemistry II	Che 341	Physical Chemistry I
Che 231	Organic Chemistry I	Che 342	Physical Chemistry II
Che 232	Organic Chemistry II	Che 410	Advanced Inorganic Chemistry
Che 321	Quantitative Analysis		

IV ELECTIVES (as advised) 4 SEMESTER HOURS

OFFERINGS IN CHEMISTRY

Che 100	Principles of Chemistry	Che 401	History and Literature of Chemistry
Che 103	General Chemistry I	Che 408	Industrial Chemical Processes
Che 104	General Chemistry II and Qualitative Analysis	Che 410	Advanced Inorganic Chemistry
Che 231	Organic Chemistry I	Che 432	Qualitative Organic Analysis
Che 232	Organic Chemistry II	Che 480	Introduction to Chemical Research
Che 321	Quantitative Analysis		
Che 324	Instrumental Methods of Analysis		
Che 341	Physical Chemistry I		
Che 342	Physical Chemistry II		

DEPARTMENT OF MATHEMATICS

Albert E. Filano, *Chairman*

The concentration in mathematics begins with a basic core program including analytic geometry, calculus, linear algebra, and differential equations. This is followed by a required sequence of courses covering the major areas of modern mathematics. Additional specialization in specific branches of mathematics is possible through available electives.

BACHELOR OF ARTS

Concentration: *Mathematics*

The B.A. program in mathematics enables each student to receive the basic preparation required for the career of his choice. Among these are college and university teaching, research and other service in government and industry, and computer programming. In all cases each student receives a sound preparation for graduate study in the field of mathematics.

Candidates must satisfactorily complete a minimum of 128 semester hours distributed among four areas as follows:

I GENERAL REQUIREMENTS 62 SEMESTER HOURS

(See opening pages, Programs of Study. Locate by leafing to black bar on margin.)

The required 6 semester hours of foreign language at the intermediate level must be met in French, German, or Russian.

II SCIENCE CORE REQUIREMENTS		12 SEMESTER HOURS
Physics 101-102	Physics I-II	Laboratory Science
(credited to General Requirements)		Elective
Physics Elective	4 semester hours	8 semester hours

III MATHEMATICS CONCENTRATION REQUIREMENTS		36 SEMESTER HOURS
Mat 106	Foundations of Mathematics	Mat 241
(credited to General Requirements)		Analytic Geometry and Calculus III
Mat 141	Analytic Geometry and Calculus I	Mat 242
		Analytic Geometry and Calculus IV
Mat 142	Analytic Geometry and Calculus II	Mat 343
		Differential Equations
Mat 211	Linear Algebra	Mat 411
		Modern Algebra I
Mat 231	Modern Geometry I	Mat 412
		Modern Algebra II
		Mat 421
		Mathematical Statistics I
		Mat 441
		Advanced Calculus I
		Mat 442
		Advanced Calculus II

IV ELECTIVES (as advised)	18 SEMESTER HOURS
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(Offerings in mathematics are shown following requirements for the B.S. in Education degree.)

A typical sequence of courses may be obtained from the Department of Mathematics.

B.S. IN EDUCATION

Concentration: *Mathematics*

A student may qualify for the Pennsylvania Provisional Certificate in mathematics by completing a minimum field requirement of 36 semester hours as indicated below.

Degree candidates must satisfactorily complete a minimum of 128 semester hours distributed among four areas as follows:

I	GENERAL REQUIREMENTS	56 SEMESTER HOURS
	(See opening pages, Programs of Study. Locate by leafing to black bar on margin.)	
II	PROFESSIONAL EDUCATION REQUIREMENTS	28 SEMESTER HOURS
	(See School of Education. Locate by leafing to black bar on margin.)	
III	SPECIALIZED PREPARATION	36 SEMESTER HOURS
Mat 106	Foundations of Mathematics	Mat 242
(credited to General Requirements)		Analytic Geometry and Calculus IV
Mat 141	Analytic Geometry and Calculus I	Mat 343
		Differential Equations
Mat 142	Analytic Geometry and Calculus II	Mat 350
		Teaching of Mathematics in Secondary Schools
Mat 211	Linear Algebra	(credited to Professional Education)
Mat 231	Modern Geometry I	Mat 411
		Modern Algebra I
Mat 241	Analytic Geometry and Calculus III	Mat 421
		Mathematical Statistics I
		Mat 441
		Advanced Calculus I

A minimum of an additional 6 semester hours in mathematics must be chosen from available electives.

IV ELECTIVES (as advised)	8 SEMESTER HOURS
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OFFERINGS IN MATHEMATICS

Mat 101	Introduction to College Mathematics I	Mat 351	Teaching of Mathematics in Elementary Schools
Mat 102	Introduction to College Mathematics II	Mat 401	History of Mathematics
Mat 105	College Algebra and Trigonometry	Mat 405	Special Topics in Mathematics
Mat 106	Foundations of Mathematics	Mat 411	Modern Algebra I
Mat 121	Statistics	Mat 412	Modern Algebra II
Mat 141	Analytic Geometry and Calculus I	Mat 414	Theory of Numbers
Mat 142	Analytic Geometry and Calculus II	Mat 421	Mathematical Stat- istics I
Mat 211	Linear Algebra	Mat 422	Mathematical Stat- istics II
Mat 231	Modern Geometry I	Mat 425	Numerical Analysis
Mat 232	Modern Geometry II	Mat 432	Topology
Mat 241	Analytic Geometry and Calculus III	Mat 441	Advanced Calculus I
Mat 242	Analytic Geometry and Calculus IV	Mat 442	Advanced Calculus II
Mat 311	Algebra for Elementary Teachers	Mat 445	Complex Variables
Mat 331	Geometry for Elementary Teachers	Mat 490	Seminar in Mathematics
Mat 343	Differential Equations	COMPUTER SCIENCE	
Mat 350	Teaching of Mathematics in Secondary Schools	CSc 101	Computer Programming
		CSc 201	Computer Organization and Programming
		CSc 202	Algorithmic Languages and Compilers

DEPARTMENT OF PHYSICS

Russell K. Rickert, *Chairman*

The concentration in physics begins with a look at the broad discipline. This is followed by a sequence including an introduction to modern physics, classical mechanics, and electricity and magnetism. Advanced courses permit students to develop a thorough understanding of the field. The calculus is a necessary mathematical tool for the study of physics at all levels.

BACHELOR OF ARTS

Concentration: *Physics*

The B.A. program in physics enables the student to receive the basic preparation required for a variety of careers. Among these are college and university teaching and research and related service in industry and government. In all cases, the student receives a sound preparation for graduate study in physics. Capable graduates of this program are normally eligible for fellowships and assistantships when they enter graduate school.

Candidates must satisfactorily complete a minimum of 128 semester hours distributed among four areas as follows:

I GENERAL REQUIREMENTS **62 SEMESTER HOURS**

(See opening pages, Programs of Study. Locate by leafing to block bar on margin.)

The required 6 semester hours of foreign language at the intermediate level must be met in French, German, or Russian.

II SCIENCE CORE REQUIREMENTS **20 SEMESTER HOURS**

Mathematics	9 semester hours	Astronomy or Geology		
(through Mat 343)				3 semester hours
Chemistry	8 semester hours			

III PHYSICS CONCENTRATION REQUIREMENTS **40 SEMESTER HOURS**

Mat 141-142	Analytic Geometry and Calculus I-II	Phy 212	Mechanics	
	(141 credited to General Requirements)	Phy 233	Introduction to Modern Physics	
Biology	— a two-semester laboratory sequence	Phy 421	Electricity and Mag- netism I	
	(credited to General Requirements)	Phy 444	Physics Seminar	
Phy 101-102	Physics I-II			

A minimum of 19 additional semester hours in physics must be chosen from available electives.

IV ELECTIVES (as advised) **6 SEMESTER HOURS**

(Offerings in physics are shown following requirements for the B.S. in Education degree.)

A typical sequence of courses may be obtained from the Department of Physics.

B.S. IN EDUCATION

Concentration: *Physics*

A student may qualify for the Pennsylvania Provisional Certificate in physics by completing a minimum field requirement of 40 semester hours as indicated below. Degree candidates must satisfactorily complete a minimum of 128 semester hours distributed among four areas as follows:

I GENERAL REQUIREMENTS **56 SEMESTER HOURS**

(See opening pages, Programs of Study. Locate by leafing to block bar on margin.)

II PROFESSIONAL EDUCATION REQUIREMENTS **28 SEMESTER HOURS**

(See School of Education. Locate by leafing to block bar on margin.)

III SPECIALIZED PREPARATION **40 SEMESTER HOURS**

Mat 141	Analytic Geometry and Calculus I	Phy 233	Introduction to Modern Physics	
	(credited to General Requirements)	Phy 421	Electricity and Magne- tism I	
Mat 142-241-242	Analytic Geometry and Calculus II-III-IV	Phy 444	Physics Seminar	
Che 103-104	General Chemistry I-II	Sci 350	Teaching Science in Secondary Schools	
	(credited to General Requirements)		(credited to Professional Education)	
Phy 101-102	Physics I-II			
Phy 212	Mechanics			

A minimum of 10 additional semester hours in physics must be chosen from available electives.

IV ELECTIVES (as advised) 4 SEMESTER HOURS

A typical sequence of courses may be obtained from the Department of Physics.

OFFERINGS IN PHYSICS

Phy 101	Physics I	Phy 422	Optics
Phy 102	Physics II	Phy 423	Electronics
Phy 212	Mechanics	Phy 424	Electricity and Magnetism II
Phy 233	Introduction to Modern Physics	Phy 432	Introduction to Nuclear Physics
Phy 330	General Astronomy	Phy 440	Introduction to Research
Phy 413	Analytical Dynamics	Phy 444	Seminar
Phy 414	Heat and Thermodynamics		
Phy 421	Electricity and Magnetism I		

COMPREHENSIVE SCIENCE
EARTH AND SPACE SCIENCE

Seymour S. Greenberg, *Coordinator*

B. S. IN EDUCATION

Concentrations: *Comprehensive Science* or *Earth and Space Science*

A student may qualify for the Pennsylvania Provisional Certificate in Comprehensive Science or Earth and Space Science by completing a minimum field requirement of 44 semester hours as indicated below.

Degree candidates must satisfactorily complete a minimum of 128 semester hours distributed among three areas as follows:

I GENERAL REQUIREMENTS 56 SEMESTER HOURS
(See opening pages, Programs of Study. Locate by leafing to black bar on margin.)

II PROFESSIONAL EDUCATION REQUIREMENTS 28 SEMESTER HOURS
(See School of Education. Locate by leafing to black bar on margin.)

III SPECIALIZED PREPARATION 44 SEMESTER HOURS

Bio 111-112	Botany I-II (or)	Phy 330	General Astronomy
Bio 141-142	Zoology I-II (or)	ESS 201	Physical Geology
One semester of botany and one semester of zoology (credited to General Requirements)		Sci 350	Teaching Science in Secondary Schools (credited to Professional Education)
Che 103-104	General Chemistry I-II	Mat 105	College Algebra and Trigonometry (credited to General Requirements)
Phy 101-102	Physics I-II		

Twenty-one semester hours of electives must be chosen for either program in consultation with the Coordinator. *For comprehensive science*, students should elect courses from biology, chemistry, and physics. *For earth and space science*, students take the following:

ESS 211	Historical Geology	Geo 206	Meteorology: An Introduction to Climate
ESS 301	Mineralogy and Petrology	Geo 302	Climatology
ESS 311	Geochemistry		
Geo 205	Geomorphology		

Plus a course chosen from biology, chemistry, or physics.

A typical sequence of courses for either concentration may be obtained from the Coordinator.

COOPERATIVE DEGREE PROGRAMS FOR DENTAL HYGIENISTS AND PUBLIC SCHOOL NURSES

OFFERED IN THE
DIVISION OF SCIENCES AND MATHEMATICS

Doris R. Schoel, *Coordinator*

West Chester State College offers two special curricula, cooperative in nature, which enable dental hygienists and public school nurses to obtain the degree of Bachelor of Science in Education.

DEGREE CURRICULUM FOR DENTAL HYGIENISTS

The degree of Bachelor of Science in Education will be conferred upon dental hygienists meeting the following requirements:

1. The possession of a valid license to practice dental hygiene in the Commonwealth of Pennsylvania, issued by the State Dental Council and Examining Board and by the Department of Public Instruction.

The requirement for admission to the Dental Hygiene curriculum is the satisfactory completion of an approved dental hygienist course of instruction of two years' duration. Each year must be composed of not less than 32 weeks, and each week must include not less than thirty hours of instruction. The requirement may also be met by equivalent instruction, and graduation, from a dental hygiene school approved by the State Council and Examining Board.

2. In addition, the satisfactory completion of sixty semester hours distributed as follows:

I	GENERAL REQUIREMENTS	44 SEMESTER HOURS
Eng 101	English Composition I	Geo 202 Geography of U.S. and Canada
Eng 102	English Composition II	His 101 History of Civilization I
Sph 101	Fundamentals of Speaking	His 102 History of Civilization II
Lit 121	General Literature I	PSc 231 American Government
Lit 122	General Literature II	Eco 231 Principles of Economics
Art 101	Fine Arts (Art)	His 211 History of the U.S. and Pennsylvania I
Mus 121	Fine Arts (Music)	Soc 231 Introduction to Sociology
Geo 101	World Geography	

II	PROFESSIONAL EDUCATION	11 SEMESTER HOURS
EdF 100	School and Society	EdM 300 Audio-Visual Education
Psy 100	Introduction to Psychology	EdP 250 Psychology of Learning and Development

III	ELECTIVES	5 SEMESTER HOURS
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Electives may be chosen, with the approval of the Staff Dean for Undergraduate Studies, from any academic field or curriculum offered at the College, for a total of not less than 5 credits.

In either the General Requirements or Professional Education categories listed above, credit will be given for equivalent courses pursued in the two-year dental hygiene curriculum. In such instances, students must increase their electives by the number of semester hours so credited.

In those cases in which dental hygienists have had less than two years of specialized training, the credit given will be proportional. To make up the deficiency, additional General Requirement courses in the College will be necessary.

DEGREE CURRICULUM FOR PUBLIC SCHOOL NURSING

The degree of Bachelor of Science in Education will be conferred upon registered nurses who meet the following requirements: The satisfactory completion of a two-year associate degree program or a three-year diploma program in an approved school of nursing, registration by the State Board of Examiners for the Registration of Nurses in Pennsylvania, and sixty semester hours of credit distributed as shown below.

I	GENERAL REQUIREMENTS	26 SEMESTER HOURS
Eng 102	English Composition II	His 211 History of U. S. and Pennsylvania I
Sph 101	Fundamentals of Speaking	PSc 231 American Government
Lit 121	General Literature I	Soc 231 Introduction to Sociology
<i>or</i>		Bio 100 Basic Biological Science
Lit 122	General Literature II	Psy 100 Introduction to Psychology
His 101	History of Civilization I	
<i>or</i>		
His 102	History of Civilization II	

90 PUBLIC SCHOOL NURSING

II PROFESSIONAL EDUCATION

12 SEMESTER HOURS

EdF 100	School and Society	Psy 352	Adolescent Psychology
EdP 250	Psychology of Learning and Development	EdC 150	Introduction to Guidance and Counseling
EdP 251	Human Development: Childhood		

or

III COURSES RELATED TO PUBLIC SCHOOL NURSING

17 SEMESTER HOURS

PSN 300	Public School Nursing	PSN 306	Prevention and Control of Communicable Diseases
PSN 302	Public Health Nursing I	PSN 370	Mental Hygiene
PSN 303	Public Health Nursing II		
PSN 304	Foundations of Nutrition		

IV ELECTIVES

5 SEMESTER HOURS

Choose any two of the following.

PSN 320	Problems in School Nursing	Mus 121	Fine Arts (Music)
Phi 280	Introduction to Philosophy	Art 101	Fine Arts (Art)
		Mat 101	Introduction to College Mathematics I

Nurses with less than a three-year nurse's training preparation will be required to pursue additional courses to meet the requirements for the degree.

APPLICATION FOR ADMISSION

Dental hygienists and registered nurses who desire to enroll in the above curricula may obtain application blanks and pertinent information from the Director of Admissions.

DIVISION OF SOCIAL SCIENCES

Byron Y. Fleck, *Director*

Following Alexander Pope's injunction that "The proper study of mankind is man," the Division of Social Sciences accepts the responsibility for translating appropriate social science substance into meaningful and enriching learning experiences.

BACHELOR OF ARTS

Concentrations in

Economics	Psychology
Geography	Sociology-Anthropology
History	Social Service and
Political Science	Personnel Work

BACHELOR OF SCIENCE IN EDUCATION

Concentrations in

Geography	History—World Cultures
History—American	Comprehensive Social Studies

DEPARTMENT OF ECONOMICS

Byron Y. Fleck, *Interim Chairman*

Economics is the social science whose problems and methods of analysis parallel those of such disciplines as history, political science, and sociology. The B.A. program in economics is designed for a broad understanding of the operation of the economic system and the role played by business, labor, and government.

Careers lead to government, teaching, many areas of business, labor unions, and to the graduate work necessary to become a professional economist.

BACHELOR OF ARTS

Concentration: *Economics*

Candidates must satisfactorily complete a minimum of 128 semester hours, distributed among four areas as follows:

I GENERAL REQUIREMENTS

62 SEMESTER HOURS

(See opening pages, Programs of Study. Locate by leafing to black bar on margin.)

II SOCIAL SCIENCE CORE REQUIREMENTS	18 SEMESTER HOURS
His 211 History of U.S. and Pa. I	Soc 231 Introduction to Sociology
His 212 History of U.S. and Pa. II	Geo 400 Senior Seminar in Geography
Ant 231 Intro. to Anthropology	
Eco 231 Principles of Economics	

III GEOGRAPHY CONCENTRATION REQUIREMENTS 33 SEMESTER HOURS

Required — 21 hours

Group 1. Earth Sciences (6 hrs.)	Group 4. Special Studies (9 hrs.)
Group 2. Economic Studies (3 hrs.)	<i>Geography Electives</i> 12 hours
Group 3. Regional Studies (3 hrs.)	

IV ELECTIVES 15 SEMESTER HOURS

Geography majors are advised to elect supplementary courses from the following:
Ant 333, PSc 335, Soc 332, and Soc 336.

A typical sequence of courses may be obtained from the Department of Geography.

B.S. IN EDUCATION

Concentration: *Geography*

A student may qualify for the Pennsylvania Provisional Geography Certificate by completing a minimum field requirement of 30 semester hours in geography. Degree candidates must satisfactorily complete a minimum of 128 semester hours distributed among four areas as follows:

I GENERAL REQUIREMENTS	56 SEMESTER HOURS
<small>(See opening pages, Programs of Study. Locate by leafing to black bar on margin.)</small>	
II PROFESSIONAL EDUCATION REQUIREMENTS	28 SEMESTER HOURS
<small>(See School of Education. Locate by leafing to black bar on margin.)</small>	
III SPECIALIZED PREPARATION	27 SEMESTER HOURS

Required — 15 semester hours

Geo 202 Geography of the United States and Canada	Geo 211 Map Appreciation and Interpretation
Geo 203 Economic Geography	Geo 311 Teaching Geography in Secondary Schools
Geo 205 Geomorphology	<small>(credited to Professional Education)</small>
Geo 206 Meteorology: An Introduction to Climate	<i>Electives</i> 12 semester hours

IV ELECTIVES 17 SEMESTER HOURS

A typical sequence of courses may be obtained from the Department of Geography.

OFFERINGS IN GEOGRAPHY

1. EARTH SCIENCES

- Geo 205 Geomorphology
 Geo 206 Meteorology: An Introduction to Climate
 Geo 300 Physical Geography
 Geo 301 Introduction to Physical Geology
 Geo 302 Climatology
 Geo 304 Geography of Asia
 Geo 305 Geography of the Far East
 Geo 306 Geography of Africa
 Geo 307 Geography of the U.S.S.R.
 Geo 314 Geography of the U.S. and Pennsylvania
 Geo 412 Geography of Australia and Associated Islands

2. ECONOMIC STUDIES

- Geo 201 Conservation of Natural Resources
 Geo 203 Economic Geography
 Geo 308 Trade and Transportation
 Geo 414 Urban and Regional Planning

3. REGIONAL STUDIES

- Geo 202 Geography of U.S. and Canada
 Geo 204 Geography of Pennsylvania
 Geo 207 Geography of Europe

- Geo 208 Geography of Latin America

4. CULTURAL AND POLITICAL STUDIES

- Geo 209 The U.S. in its Global Relationships
 Geo 210 Geographic Influences in American History
 Geo 309 World Problems in Geography
 Geo 313 Geography of Population

5. TECHNIQUES AND SPECIAL STUDIES

- Geo 211 Map Appreciation and Interpretation
 Geo 303 Cartography
 Geo 310 Geography Field Study Methods
 Geo 311 Teaching Geography in Secondary Schools
 Geo 400 Senior Seminar in Geography
 Geo 410 Independent Study in Geography
 Geo 415 Geography Area Field Courses I, II, and III
 Geo 416 Geography Seminar

6. GENERAL

- Geo 101 World Geography

DEPARTMENT OF HISTORY

Robert E. Carlson, *Chairman*

The student of history seeks to recreate the past (or, more precisely, as much of it as is possible) not only rationally to explain and understand the past for its own sake, but also to identify himself and this age with earlier times. He is concerned with the origins and development of and relationships between past men and events and, from the multiplicity of credible and sometimes conflicting evidence, renders judgments on causation and consequences. He seeks to achieve a sense of the past.

Among the careers open to history majors are the law, government service, teaching, research, journalism, and business. Indeed, a strong preparation in history can lead to possibilities in virtually every field of endeavor.

BACHELOR OF ARTS

Concentration: *History*

Candidates must satisfactorily complete a minimum of 128 semester hours, distributed among four areas as follows:

I GENERAL REQUIREMENTS 62 SEMESTER HOURS
 (See opening pages, Programs of Study. Locate by leafing to black bar on margin.)

II SOCIAL SCIENCE CORE REQUIREMENTS 18 SEMESTER HOURS
 His 211 History of U.S. and Pa. I Eco 231 Principles of Economics
 His 212 History of U.S. and Pa. II Soc 231 Introduction to Sociology
 Ant 231 Intro. to Anthropology His 400 Senior Seminar in History

III HISTORY CONCENTRATION REQUIREMENTS 24 SEMESTER HOURS
 Group 1 American History (6 hrs.) Group 3 World and Regional
 Group 2 European History (6 hrs.) History (6 hrs.)

History Electives
 6 hours
Required — 18 hours

IV ELECTIVES 24 SEMESTER HOURS
 History majors are especially advised to elect supplementary courses from the following: Ant 333, Geo 210, Geo 309, PSc 332, PSc 335, and Soc 335.

A typical sequence of courses may be obtained from the Department of History.

B.S. IN EDUCATION DEGREES

A. Concentration: *Comprehensive Social Studies*

A student may qualify for the Pennsylvania Provisional Comprehensive Social Studies Certificate by completing a minimum of 24 semester hours in history, and a minimum of 24 semester hours in the other social sciences.

Degree candidates must satisfactorily complete a minimum of 128 semester hours distributed among four areas as follows:

I GENERAL REQUIREMENTS 56 SEMESTER HOURS
 (See opening pages, Programs of Study. Locate by leafing to black bar on margin.)

II PROFESSIONAL EDUCATION REQUIREMENTS 28 SEMESTER HOURS
 (See School of Education. Locate by leafing to black bar on margin.)

III SPECIALIZED PREPARATION

36 SEMESTER HOURS

Required

- | | |
|--|---|
| His 101 History of Civilization I | Soc 231 Introduction to Sociology |
| His 102 History of Civilization II
(101-102 credited to General Requirements) | Ant 231 Intro. to Anthropology |
| His 211 History of U.S. and Pa. I | SSc 331 Teaching Social Studies
in Secondary Schools
(credited to Professional Education) |
| His 212 History of U.S. and Pa. II | His 400 Senior Seminar in
History |
| PSc 231 American Government
(credited to General Requirements) | |
| Eco 231 Principles of Economics | |

Restricted Electives

History: 9 semester hours distributed equally in Groups 1, 2, and 3.

Social Sciences: 9 semester hours under advisement.

IV ELECTIVES

8 SEMESTER HOURS

A typical sequence of courses may be obtained from the Department of History.

B. Concentrations: *History*

(*American History or World Cultures*)

A student may qualify for the Pennsylvania Provisional Certificate in history by completing a minimum of 36 semester hours in history and a minimum of 12 semester hours in the other social sciences.

Degree candidates must satisfactorily complete a minimum of 128 semester hours distributed among four areas as follows:

I GENERAL REQUIREMENTS

56 SEMESTER HOURS

(See opening pages, Programs of Study. Locate by leafing to black bar on margin.)

II PROFESSIONAL EDUCATION REQUIREMENTS

28 SEMESTER HOURS

(See School of Education. Locate by leafing to black bar on margin.)

III SPECIALIZED PREPARATION

36 SEMESTER HOURS

Required

- | | |
|--|---|
| His 101 History of Civilization I | Eco 231 Principles of Economics |
| His 102 History of Civilization II
(101-102 credited to General Requirements) | SSc 331 Teaching Social Studies
in Secondary Schools
(credited to Professional Education) |
| His 211 History of U.S. and Pa. I | His 400 Senior Seminar in History |
| His 212 History of U.S. and Pa. II | |
| PSc 231 American Government
(credited to General Requirements) | |

Restricted Electives

(History majors select a concentration area in *American History or World Cultures*.)

AMERICAN HISTORY

WORLD CULTURES

CONCENTRATION	Hours	CONCENTRATION	Hours
His 313 History of Pennsylvania	3	Ant 231 Introduction to	
Electives from Group 1	12	Anthropology	3
History electives from		History electives: Group 1	3
Groups 2 and 3	6	Group 2	9
Electives: Social Sciences	3	Group 3	9

IV ELECTIVES

8 SEMESTER HOURS

A typical sequence of courses may be obtained from the Department of History.

OFFERINGS IN HISTORY

1. AMERICAN HISTORY

- His 211 History of U.S. and Pa. I
 His 212 History of U.S. and Pa. II
 His 313 History of Pennsylvania
 His 314 Diplomatic History of U.S.
 His 315 Economic History of U.S.
 His 316 History of American
 Frontier
 His 317 History of American
 Science and Technology
 His 318 Constitutional History
 of U.S.
 His 319 Social and Cultural
 History of U.S.
 His 320 History of the South

2. EUROPEAN HISTORY

- His 219 Medieval Europe
 His 220 Renaissance and Reformation
 His 221 Modern Europe to 1815
 His 222 Europe since 1815
 His 321 History of England

- His 340 Modern Germany
 His 350 Russian History to 1917
 His 351 Soviet Russia

3. WORLD AND REGIONAL HISTORY

- His 101 History of Civilization I
 His 102 History of Civilization II
 His 218 Ancient World
 His 322 History of South Asia
 His 323 History of the Middle
 East
 His 324 History of Latin America
 His 325 History of the 20th
 Century World
 His 327 The British Empire-
 Commonwealth
 His 328 History of Modern Africa
 His 329 History of East Asia

4. SPECIAL STUDIES

- His 400 Senior Seminar
 His 410 Independent Studies

DEPARTMENT OF POLITICAL SCIENCE

Clifford H. Harding, *Chairman*

Political science systematically investigates the theory and practice of politics and levels of government — domestic, foreign, and international. Depending on the area, emphasis may be on the philosophical study of the nature of government and politics, or on the political behavior of individuals or groups, or on the role of political and governmental institutions.

Careers are open to majors in research, teaching, administration, personnel work, public relations, journalism, and government at home and abroad. A B.A. program in political science is especially important for the pre-law student, or the student who desires to teach political science at the college level.

BACHELOR OF ARTS

Concentration: *Political Science*

Candidates must satisfactorily complete a minimum of 128 hours, distributed among four areas as follows:

I GENERAL REQUIREMENTS

62 SEMESTER HOURS

(See opening pages, Programs of Study. Locate by leafing to black bar on margin.)

II SOCIAL SCIENCE CORE REQUIREMENTS		18 SEMESTER HOURS	
His 211	History of U.S. and Pa. I	Soc 231	Introduction to Sociology
His 212	History of U.S. and Pa. II	Psc 400	Senior Seminar in Political Science
Ant 231	Intro. to Anthropology		
Eco 231	Principles of Economics		

III POLITICAL SCIENCE CONCENTRATION REQUIREMENTS		24—30 SEMESTER HOURS	
PSc 201	Introduction to Political Science	PSc 339	Elements of Public Administration
PSc 333	International Politics	— and additional political science electives to complete 24-30 semester hours in political science beyond the 3 hours in Core.	
PSc 338	Introduction to Political Thought		

IV ELECTIVES		18—24 SEMESTER HOURS	
Political science majors are especially advised to elect supplementary courses from the following: Eco 336, Eco 338, His 314, His 318, Mat 121, and Soc 336.			

A typical sequence of courses may be obtained from the Department of Political Science.

OFFERINGS IN POLITICAL SCIENCE

PSc 201	Introduction to Political Science	PSc 339	Elements of Public Administration
PSc 231	American Government	PSc 340	American Constitutional Law
PSc 331	State and Local Government	PSc 341	International Law
PSc 332	Comparative Government	PSc 342	Public Opinion and Propaganda
PSc 333	International Politics	PSc 343	Municipal Government
PSc 334	American Political Parties	PSc 400	Senior Seminar in Political Science
PSc 335	American Political Ideas	PSc 410	Independent Studies in Political Science
PSc 336	Soviet Government and Politics		
PSc 337	American Foreign Policy		
PSc 338	Introduction to Political Thought		

DEPARTMENT OF PSYCHOLOGY

Jay L. Clark, *Chairman*

The psychologist endeavors to apply scientific processes in order to explain, predict, and in some cases control human behavior. A bachelor's degree in psychology should prepare the student to understand those variables, such as heredity, learning, and the environment, which shape and change behavior.

Careers are possible in clinics, guidance centers, industry, hospitals, schools, and government.

BACHELOR OF ARTS

Concentration: *Psychology*

Candidates must satisfactorily complete a minimum of 128 semester hours, distributed among four areas as follows:

I GENERAL REQUIREMENTS 62 SEMESTER HOURS

(See opening pages, Programs of Study. Locate by leaving to black bar on margin.)

II SOCIAL SCIENCE CORE REQUIREMENTS 18 SEMESTER HOURS

His 211 History of U.S. and Pa. I	Eco 231 Principles of Economics
His 212 History of U.S. and Pa. II	Soc 231 Introduction to Sociology
Ant 231 Intro. to Anthropology	Psy 400 Senior Seminar in Psychology

III PSYCHOLOGY CONCENTRATION REQUIREMENTS 24—30 SEMESTER HOURS

Psy 354 Social Psychology	— and additional psychology electives
Psy 355 Experimental Psychology	to complete 24-30 semester hours in
Psy 356 The Study of Personality	psychology beyond the 3 hours in Core.
Psy 361 Applied Psychology	

IV ELECTIVES 18—24 SEMESTER HOURS

Psychology majors are especially advised to elect supplementary courses from the following: Ant 331, Bio 262, Mat 121, and Soc 338.

A typical sequence of courses may be obtained from the Department of Psychology.

OFFERINGS IN PSYCHOLOGY

Psy 100 Introduction to Psychology	Psy 362 History of Psychology
Psy 241 Psychology of Exceptional Children	Psy 363 Psychology of Learning
Psy 243 Psychology of the Mentally Retarded	Psy 364 Physiological Psychology
Psy 352 Adolescent Psychology	Psy 370 Mental Hygiene
Psy 354 Social Psychology	Psy 375 Abnormal Psychology
Psy 355 Experimental Psychology	Psy 400 Senior Seminar in Psychology
Psy 356 The Study of Personality	Psy 410 Independent Studies in Psychology
Psy 361 Applied Psychology	

DEPARTMENT OF SOCIOLOGY AND ANTHROPOLOGY

Harold Bram, *Chairman*

Man creates culture; culture creates man. It is to the interplay of these two that sociology and anthropology address themselves. The sciences of human society study the structuring and functioning of groups in determining human behavior and interpreting social phenomena objectively. These disciplines aim to understand man: his biological and cultural development.

Careers for the major are in teaching; local, state, and national governmental agencies; criminology and penology; social service and personnel work; public relations; psychiatric social work; children's agencies; juvenile and family courts, and many others.

BACHELOR OF ARTS DEGREES

A. Concentration: *Sociology-Anthropology*

Candidates must satisfactorily complete a minimum of 128 semester hours, distributed among four areas as follows:

I GENERAL REQUIREMENTS 62 SEMESTER HOURS
(See opening pages, Programs of Study. Lacate by leafing to black bar on margin.)

II SOCIAL SCIENCE CORE REQUIREMENTS 18 SEMESTER HOURS

His 211	History of U.S. and Pa. I	Soc 231	Introduction to Sociology
His 212	History of U.S. and Pa. II	Soc or Ant 400	Senior Seminar in Sociology or Anthropology
Ant 231	Intro. to Anthropology		
Eco 231	Principles of Economics		

III SOCIOLOGY-ANTHROPOLOGY CONCENTRATION REQUIREMENTS 24—30 SEMESTER HOURS

Soc 337	Sociological Theory	—and additional sociology and anthropology electives to complete 24-30 semester hours in sociology and anthropology beyond the 9 hours in Core.
Soc 339	Social Stratification	
Ant 331	Human Evolution	
Ant 332	Social Organization	

IV ELECTIVES 18—24 SEMESTER HOURS

Sociology-anthropology majors are especially advised to elect supplementary courses from the following: Mat 121, Psy 354, Psy 356, and Psy 375.

A typical sequence of courses may be obtained from the Department of Sociology and Anthropology.

B. Concentration: *Social Service and Personnel Work*

Candidates for the B.A. degree in Social Service and Personnel Work must satisfactorily complete a minimum of 128 semester hours, distributed among four areas as follows:

I GENERAL REQUIREMENTS 62 SEMESTER HOURS
(See opening pages, Programs of Study. Lacate by leafing to black bar on margin.)

II SOCIAL SCIENCE CORE REQUIREMENTS 18 SEMESTER HOURS

His 211	History of U.S. and Pa. I	Soc 231	Introduction to Sociology
His 212	History of U.S. and Pa. II	Soc 400 or Psy 400	Senior Seminar in Sociology or Psychology
Ant 231	Intro. to Anthropology		
Eco 231	Principles of Economics		

III SOCIAL SERVICE AND PERSONNEL WORK CONCENTRATION REQUIREMENTS 36 SEMESTER HOURS

Eco 333	Consumer Economics	Psy 356	The Study of Personality
Eco 334	Industrial Relations	— and additional electives distributed equally from economics, sociology, and psychology to complete 36 hours beyond Core requirements.	
Soc 339	Social Stratification		
Soc 340	Intro. to Social Work		
Psy 354	Social Psychology		

IV ELECTIVES

12 SEMESTER HOURS

Social service and personnel work majors are especially advised to elect supplementary courses from the following: Eco 336, PSc 331, PSc 339, Psy 370, Soc 332, and Soc 336.

A typical sequence of courses may be obtained from the Department of Sociology and Anthropology.

OFFERINGS IN SOCIOLOGY—ANTHROPOLOGY

Soc 231	Introduction to Sociology	Soc 341	Social Change
Soc 332	Contemporary Social Problems	Soc 400	Senior Seminar in Sociology
Soc 333	The Family	Soc 410	Independent Studies
Soc 334	Juvenile Delinquency	Ant 231	Introduction to Anthropology
Soc 335	Racial and Cultural Minorities	Ant 331	Human Evolution
Soc 336	Urban Sociology	Ant 332	Social Organization
Soc 337	Sociological Theory	Ant 333	Cultural Dynamics
Soc 338	Criminology	Ant 334	World Ethnography
Soc 339	Social Stratification	Ant 400	Senior Seminar in Anthropology
Soc 340	Introduction to Social Work	Ant 403	Primitive Art
		Ant 410	Independent Studies

INTERDISCIPLINARY PROGRAMS

The College of Arts and Sciences at West Chester also offers the Bachelor of Arts in two interdisciplinary programs: American Studies and Russian Studies. The American Studies Program explores American art, economics, government, history, literature, music, philosophy, psychology, and sociology in interpreting American culture.

The Russian Studies Program is designed to give a solid background in Russian language, literature, history, government, economics, geography, education, art, and music.

A. AMERICAN STUDIES

Candidates for the B.A. degree with a concentration in American Studies must satisfactorily complete a minimum of 128 semester hours, distributed among four areas as follows:

I GENERAL REQUIREMENTS 62 SEMESTER HOURS

(See opening pages, Programs of Study. Locate by leafing to black bar on margin.)

II REQUIRED CORE 30 SEMESTER HOURS

- | | |
|---|---|
| 1. Introduction to American Studies Seminar | 3 |
| 2. American Literature (Lit 223, Lit 224) | 6 |
| 3. American History (His 211, His 212) | 6 |

102 INTERDISCIPLINARY PROGRAMS

- | | |
|---|---|
| 4. Senior Seminars in American Studies | 6 |
| 5. Three courses in Art, Music,
Philosophy | 9 |
| (Art 408, Mus 322, Phi 374, Phi 484) | |

III SPECIALIZATION 18 SEMESTER HOURS

- | | |
|--|---|
| 1. Two courses in American History area
(His 314, His 315, His 316, His 317,
His 318, His 319, His 320, His 321) | 6 |
| 2. Two courses in American Literature area
(Lit 342, Lit 343, Lit 344, Lit 348,
Lit 351, Lit 352) | 6 |
| 3. Two courses in Social Sciences
(Ant 332, Eco 332, EdF 100, Geo 202,
Geo 209, Geo 210, PSc 331, PSc 334,
PSc 335, Psy 354, Soc 332) | 6 |

IV ELECTIVES 18 SEMESTER HOURS
(From any of the above areas or general curriculum.)

Note: Students interested in this program may obtain descriptive materials, and information about the seminars to be offered, from the offices of the Dean of the College of Arts and Sciences.

B. RUSSIAN STUDIES

Candidates for the B.A. degree with a concentration in Russian Studies must satisfactorily complete a minimum of 128 semester hours, distributed among three areas as follows:

I GENERAL REQUIREMENTS 62 SEMESTER HOURS

(See opening pages, Programs of Study. Locate by leafing to black bar on margin.)

II REQUIRED CORE FOR SPECIALIZATION 51 SEMESTER HOURS

- | | |
|-------------------------------------|-----|
| 1. Russian Language and Literature | *24 |
| 2. Russian History | 6 |
| 3. Russian Government | 6 |
| 4. Russian Geography | 3 |
| 5. Russian Education | 3 |
| 6. Fine Arts
(Russian Art—Music) | 3 |
| 7. Senior Seminars | 6 |

III ELECTIVES 15 SEMESTER HOURS

Note: students may obtain more detailed information about the Russian Studies program from the offices of the Dean of the College of Arts and Sciences.

*Beyond General Studies Language Requirement.

SCHOOL OF EDUCATION

Harold W. Benda, *Dean*

John A. Lander, *Assistant to the Dean*

Department of Elementary Education

Charlotte E. King,
Chairman

EVA F. BOURGEOIS
A. SCOTT DUNLAP
EDWARD H. GIBSON
CHARLOTTE M. GOOD
ETHEL G. HAAS
JAMES E. HABECKER
ROBERT W. HERRES
CARRIE C. KULP
MICHAEL LABUDA
MARY ANN MORGAN
DOROTHY C. MOYER
ERMINIO J. PETA
R. GODFREY STUDENMUND

Department of Secondary Education and Professional Studies

John A. Lander,
Chairman

MICHAEL F. BANNON
LUTHER R. BARTH
WALTER E. BUECHELE, JR.
MARY ELIZABETH CLEARY
THOMAS J. FRANCELLA
RICHARD C. GLEOCKLER
CATHERINE E. GREGG

E. ISABELLA McCLURE
WILLIAM McKENDRY
REYNOLD D. PAGANELLI
CHARLES W. PATTERSON
MYONG W. SUHR
GEORGE M. THOMAS

Guidance

Abe S. Kramer,
Coordinator

JOYZELLE CLARK
JULIUS M. HILL
WILLIAM J. RAHN
LESTER N. RECKTENWALD
JULIAN M. SWIREN

Educational Media

Richard P. Weagley,
Coordinator

CHESTER L. McTAVISH
DAVID L. REDMOND
RUSSELL E. REIS, JR.
JAY P. STEINMETZ
RICHARD L. STRAYER

Urban Education

F. William Leeds,
Coordinator

Special Education

Howard Freeman,
Coordinator
SAUL H. GREENBERG

Laboratory School

Gerald B. Cartright,
Principal

JOHN H. GRAFTON
ELIZABETH A. HASSON
RUBY J. JONES
MARY ANN MORGAN
SANDRA F. PRITCHARD
THOMAS G. REED
ISABELLA BAYNE RYAN
EDWARD P. WILSON, JR.

Student Teaching and Intern Programs

Mark M. Evans, *Director*
MANUEL DARKATSH
HARRY H. DEISCHER
EDWARD B. GERMAN
CHARLES W. GOOD
JOHN J. HOLINGJAK
JOHN M. JACECKO
ELIZABETH P. MORGANTHALL
OLIVE M. SEDINGER
WILLIAM A. TALLEY
SHIRLEY ANN WALTERS

[The School of Health and Physical Education and the School of Music assist the Student Teaching and Intern Programs by providing faculty for supervision in their respective special skills.]

III SPECIALIZED PREPARATION

38 SEMESTER HOURS

Art 202	Art for the Elementary Grades (3)	EdE 317	Oral and Written Expression in the Elementary School (3)
EdP 251	Human Development: Childhood (3)		<i>and</i>
Mus 231	Music for the Primary Grades	EdE 319	Reading in the Elementary School (3)
	<i>or</i>	HEd 350	Health for the Elementary Grades (3)
Mus 232	Music for the Intermediate Grades (3)	Lit 350	Children's Literature (3)
PEd 201	Practice and Theory in Elementary Phys. Ed. (1)	Mat 351	Teaching of Mathematics in Elem. Schools (3)
PEd 202	Dance Activities in the Elementary Program (1)	SSc 332	Teaching Social Studies and Geography in Elementary Schools (3)
Sci 250	Science for the Elementary Grades (3)	EdE 401	Current Trends in Elementary Education (3)
SpS 201	Introduction to Speech Problems (3)		
EdE 309	Language Arts in the Elementary School (6) <i>or</i> , with departmental approval,		

IV ELECTIVES

13—21 SEMESTER HOURS

All electives offered by the various departments are open to students majoring in elementary education, provided they have met the prerequisites determined by the department involved. Elementary education majors must, however, select an area of concentration from the list below. This is not a minor field; it does not—except for foreign language and special education—add any field to the teaching certificate. The elective courses in an area of concentration either partly or completely fulfill the 13 semester hours of elective credits required for graduation. Some courses required for each area are also required courses in the elementary education curriculum.

AREAS OF CONCENTRATION

ENGLISH	26 s.h.	ENGLISH AND FOREIGN LANGUAGE	26 s.h.
<i>Required</i> (20 s.h.)		<i>Required</i> (14 s.h.)	
Eng 101 English Composition I		Eng 101 English Composition I	
Eng 102 English Composition II		Eng 102 English Composition II	
Sph 101 Fundamentals of Speech		Sph 101 Fundamentals of Speech	
Lit 121 General Literature I		Lit 121 General Literature I	
Lit 122 General Literature II		Lit 122 General Literature II	
Lit 350 Children's Literature		<i>Electives</i>	
SpS 201 Introduction to Speech Problems		12 s.h. in a foreign language (in addition to 2 years or more of that language in high school)	
<i>Electives</i> (6 s.h.)			
2 electives in English			
(ThA courses do not qualify.)			

Note: See Department of Foreign Languages before scheduling language courses.

SCIENCES 26 s.h. *Electives* (6 s.h.)
Required (11 s.h.)
 Bio 100 Basic Biological Science
 Sci 150 Basic Physical Science
 Sci 250 Science for the
 Elementary Grades

Electives (15 s.h.)
 5 courses selected under
 advisement from the
 following:

A. Biological Science

Bio 210 Field Botany
 Bio 241 Field Zoology
 Bio 242 Ornithology
 Bio 301E Basic Genetics
 Bio 302E Ecology
 Bio 341E Entomology
 Bio 355 Wildlife Conservation

B. Physical Science

Sci 251 Matter and Energy
 ESS 101 Earth Science
 ESS 201 Physical Geology
 Phy 330 General Astronomy

SOCIAL SCIENCES 24 s.h.
Required (18 s.h.)

Geo 101 World Geography
 His 101 History of Civilization I
 His 102 History of Civilization II
 His 211 History of U. S. and Pa. I
 PSc 231 American Government
 SSc 332 Teaching Social Studies and
 Geography in Elementary
 Schools

2 courses (1 in sociology,
 the other in economics)

SPECIAL EDUCATION 25 s.h.
Required (14 s.h.)

Art 202 Art for the Elementary
 Grades
 Psy 100 Introduction to Psychology
 EdP 250 Psychology of Learning
 and Development
 EdP 251 Human Development:
 Childhood
 EdP 351 Evaluation and Measurement

Elective Areas (11 s.h. each)
 (Choose either field)

Teaching the Mentally Retarded

Psy 241 Psychology of
 Exceptional Children
 Psy 243 Psychology of the
 Mentally Retarded
 EdA 348 Curriculum and Methods
 for Mentally Retarded
 EdA 344 Problems in Special
 Education

or

Teaching the Physically Handicapped

Psy 241 Psychology of Exceptional
 Children
 PEd 391 Psychology of the
 Physically Handicapped
 EdA 349 Curriculum and Methods for
 the Physically Handicapped
 PEd 390 Physical Disabilities of
 Childhood

TYPICAL COURSE SEQUENCE IN THE
ELEMENTARY EDUCATION CURRICULUM

(The sequence of courses is subject to change for administrative reasons.)

FRESHMAN YEAR				JUNIOR YEAR			
<i>Semester Hours</i>				<i>Semester Hours</i>			
Art	101	Fine Arts (Art)	3	EdP	251	Human Development: Childhood	3
Bio	100	Basic Biological Science	4	EdE	309	Language Arts in the Elementary School	6
Eng	101	English Composition I	3	EdM	300	Audio-Visual Education	2
Eng	102	English Composition II	3	HED	350	Health for the Elementary Grades	3
Geo	101	World Geography	3	His	211	History of the U.S. and Pa. I	3
HED	150	Health	2	Lit	350	Children's Literature	3
Mat	101	Introduction to College Mathematics I	3	Mat	351	Teaching of Mathematics in Elementary Schools	3
Mus	121	Fine Arts (Music)	3	Sci	250	Science for the Elem. Grades	3
PEd	101	Survey of Physical Education I	1	SSc	332	Teaching Social Studies and Geography in Elementary Schools	3
Psy	100	Intro. to Psychology	3			Electives	6
Sci	150	Basic Physical Science	4				—
Sph	101	Fundamentals of Speech	2				35
			34				
SOPHOMORE YEAR				SENIOR YEAR			
<i>Semester Hours</i>				<i>Semester Hours</i>			
Art	202	Art for the Elementary Grades	3	EdE	401	Current Trends in Elementary Education	3
EdF	100	School and Society	3	EdE	411	Student Teaching and Practicum	12
EdP	250	Psychology of Learning and Development	3	EdP	351	Evaluation & Measurement	2
His	101	History of Civil- ization I	3	Phi	280	Introduction to Philosophy	3
His	102	History of Civil- ization II	3	PSc	231	American Government Electives	3
Lit	121	General Literature I	3				4
Lit	122	General Literature II	3				—
Mus	231	Music for the Primary Grades <i>or</i>					27
Mus	232	Music for the Inter- mediate Grades	3				
PEd	201	Practice and Theory in Ele- mentary Physical Education	1				
PEd	202	Dance Activities in the Elementary Program	1				
SpS	201	Introduction to Speech Problems	3				
		Elective	3				
			—				
			32				

DEPARTMENT OF SECONDARY EDUCATION
AND PROFESSIONAL STUDIES

John A. Lander, *Chairman*

A major in secondary education may be earned in biology, chemistry, earth and space science, English, French, geography, German, history, Latin, mathematics, physics, Russian, comprehensive science, social studies, Spanish, and Speech and Theatre.

Upon satisfactory completion of the requirements of the secondary curriculum, the student will be granted the degree of Bachelor of Science in Education by the College and will qualify for a Pennsylvania Provisional Certificate. This certificate will be valid for teaching specific subjects in an approved secondary school in Pennsylvania for three years. Students are required to choose one field of specialization.

GENERAL REQUIREMENTS FOR
SECONDARY EDUCATION MAJORS

Although the General Requirements of the College are primarily the same for all subject fields, certain variations are made when there is logical reason for them. The basic pattern for General Requirements may be noted in the opening pages of Programs of Study (locate by leafing to black bar on margin). To determine approved substitutions for his particular field, the secondary education major must consult the course requirements listed under the heading of his field.

PROFESSIONAL EDUCATION FOR
SECONDARY EDUCATION MAJORS

PROFESSIONAL EDUCATION COURSES		SEMESTER HOURS
EdF 100	School and Society	3
EdP 250	Psychology of Learning and Development	3
EdM 300	Audio-Visual Education	2
EdS 306	Field Experience in Secondary Education	3
EdP 351	Evaluation and Measurement	2
EdS 412	Student Teaching for Secondary Majors, including Practicum	12
	Methods of Teaching Academic Subject	3
		<hr/>
Total		28

SPECIALIZATION FOR
SECONDARY TEACHING

Specialization in one of the teaching fields listed below is required for graduation in secondary education. For a particular field, fulfillment of the minimum semester-hour requirement shown will satisfy the teacher certification requirement in Pennsylvania. Requirements for these fields of specialization are spelled out in detail under the various departmental headings in the College of Arts and Sciences section.

FIELD	MINIMUM SEMESTER HOURS REQUIRED	FIELD	MINIMUM SEMESTER HOURS REQUIRED
Biology	39	German	30
Chemistry	40	History	48
Comprehensive English	36	Latin	30
Comprehensive Science	44	Mathematics	36
Comprehensive Social Studies	48	Physics	40
Earth and Space Science	44	Russian	30
French	30	Spanish	30
		Speech and Theatre	44
		Geography	30

In planning his program, the secondary education major must confer frequently with his adviser.

The final certification of all students whose goal is the Bachelor of Science in Education (secondary and elementary) is the responsibility of the Dean of the School of Education.

CERTIFICATION PROGRAMS IN
SPECIAL EDUCATION

Howard Freeman, *Coordinator*

Two programs in Special Education enable students to secure certification to teach classes for the mentally retarded or the physically handicapped. The course sequences included in the programs are offered as extensions of existing curricula and permit students to graduate with dual certification, that is, their teaching certificates will be valid for teaching in the regular classroom and in special classes for either the mentally retarded or the physically handicapped.

The program at West Chester meets the state requirements of a minimum of twelve semester hours and is so planned that regular elementary students will not find it necessary to carry an overload or attend summer sessions. Courses in Special Education are offered as part of the regular summer program, but in most cases certification should be possible without summer study.

Students working toward a degree in secondary education will receive dual certification upon completion of the Special Education courses and basic courses in the teaching of reading for the elementary grades and the teaching of mathematics for the elementary grades. In order to acquire these additional credits, it may be necessary for secondary education students to attend summer school.

Student Teaching. In both programs, not less than four weeks nor more than nine weeks of the regular student teaching is to be allocated to a Special Education station.

Special Education courses are scheduled to enable students to begin the program during the second semester of their sophomore year. Students interested in teaching retarded or physically handicapped children should indicate their interest when planning their sophomore schedule, and are advised to confer with the Coordinator of Special Education.

Those students who are not certain of their interest in the field may enroll in one or more of the Special Education courses on an exploratory basis, to determine the degree of their personal commitment to the field. If the program is not pursued further, the courses will serve as elective credits in other curricula.

Students wishing to explore these programs are invited to consult with the Coordinator of Special Education, Special Education Building.

PROGRAM FOR TEACHING THE MENTALLY RETARDED

Prerequisite: Psy 100 Introduction to Psychology

	Semester Hours
Psy 241 Psychology of Exceptional Children	3
Psy 243 Psychology of the Mentally Retarded	3
EdA 344 Problems in Special Education	2
EdA 348 Curriculum and Methods for Mentally Retarded	3
Art 202 Art for the Elementary Grades	3
(required for all elementary education majors)	—
	14

Note: The first four courses should be taken in the order shown.

PROGRAM FOR TEACHING THE PHYSICALLY HANDICAPPED

Prerequisite: Psy 100 Introduction to Psychology

	Semester Hours
Psy 241 Psychology of Exceptional Children	3
PEd 390 Physical Disabilities of Childhood	2
PEd 391 Psychology of the Physically Handicapped	3
SpE 349 Curriculum and Methods for Physically Handicapped	3
Art 202 Art for the Elementary Grades	3
(required for all elementary education majors)	—
	14

Note: The first four courses should be taken in the order shown.

For information about a degree program in Special Education, see Department of Speech and Theatre.

SCHOOL OF HEALTH AND PHYSICAL EDUCATION

Norman L. Sheets, *Dean*

Edwin L. Youmans, *Associate Dean for Graduate Studies*

Edwin B. Cottrell, *Assistant to the Dean*

Walter E. Funk, *Chairman, Department of Health Education*

Melvin M. Lorback, *Chairman, Department of Physical Education*

Robert W. Reese, *Director of Athletics*

Barbara J. Coates, *Coordinator of Women's Activities*

Alvin B. Davis, *Coordinator of Student Teaching*

Professors

COCHRAN
COTTRELL
MITTEN
SHEETS
STURZEBECKER
YOUSMANS

Associate Professors

BALDWIN
COATES
DAVIS
DONLEY
GOODWIN
HEIM
KOLACKI
LEMCKE
LE VEAU
LONG
LORBACK
MARGERUM

NORRIS
REED
SERPICO
STEINMETZ
TAYLOR
WILKINSON
YANISCH
YODER
YOUNG

Assistant Professors

BUTLER
COLLIER
ECKMAN
FUNK
FURLOW
GREENWOOD
HOPKINS
HUFFMAN
PAGANO

REESE
SCHAUB
SMITH
TRNKA
WINTERMUTE

Instructors

BOEHRINGER
COOPER
FORSYTH
GIUNTA
GROS
LEIGHTON
MARIA
WEBER
WHITE
WOODS

Lecturers

BUNTON
STUTZMAN

THE SCHOOL OF HEALTH AND PHYSICAL EDUCATION emerged as one of the three schools in the College as a result of reorganization instituted in September, 1967. The new School inherits a record of excellence and a long history; West Chester's program of coeducational physical education is one of the oldest in the United States. The first Director of Physical Training, Dr. Clyde Ehinger, was appointed in 1890.

PROGRAMS OF STUDY

A four-year program leading to a Bachelor of Science in Health and Physical Education and a Provisional College Certificate is offered by the School of Health and Physical Education. This certificate is valid for teaching health and physical education in the elementary and secondary schools of Pennsylvania for three years.

The School also offers courses leading to certification in Education for Safe Living. This program includes highway and general safety education. Students who desire to prepare as recreation leaders are afforded the opportunity to elect courses in recreation and to take part in a special program in camp leadership during the summer.

The School services the total college enrollment by providing courses in physical education and a course in health education for all undergraduate students. In addition, there is a broad program of recreational activities and intramural and intercollegiate athletics for all men and women at West Chester State College.

FACILITIES

Facilities to support the programs of the School have kept pace with a rapid increase in students and faculty. The latest addition, scheduled for completion in 1969, is a health and physical education center on South Campus. Among its notable components are its research facilities, its multi-purpose teaching stations, and a one-acre gymnasium divisible into six separate pneumatically sealed gymnasiums. A vast complex of tennis courts, baseball, lacrosse, field hockey, soccer, and football fields will also be located on the South Campus.

ADMISSION

Students seeking admission to the School of Health and Physical Education must meet the basic requirements of the College (see Admission to West Chester). In addition, they must have participated in both physical education classes and extra-curricular athletic programs in their secondary schools. A pre-admission interview, conducted by members of the School faculty, evaluates the candidate's evidence of leadership and the extent of participation in athletic programs. *Transfer Students* — see "Admission of Transfer Students" and "Advanced Credit Requirement" under Admission to West Chester.

PROFESSIONAL REQUIREMENTS

Students majoring in health and physical education are required to purchase uniforms. (For details, see "Additional Costs" under Expenses.)

As a prerequisite for senior standing, students must have completed the extracurricular and sports credit requirement of the Department of Physical Education.

MEN'S INTERCOLLEGIATE ATHLETIC PROGRAM

Because athletic activities provide situations similar to experiences in life, West Chester views athletics as an important part of the college experience — indeed, as a facet of education. West Chester's athletic program has as its underlying purpose the development of enduring educational values. Another important phase of the athletic program is the training given to those who will later be called upon to coach.

The program is administered by the School of Health and Physical Education. To permit as many men as possible to take part, the School offers a wide variety of sports activities, including football, baseball, basketball, soccer, track, wrestling, swimming, tennis, gymnastics, golf, and cross-country. Schedules are sought which, while in the College's class, measure up to the high athletic traditions and standing of West Chester. It is the College's policy to give its athletic program an important place in college life, with an emphasis in proportion to the value of the program.

West Chester is a member of the National Collegiate Athletic Association, the Middle Atlantic States Collegiate Athletic Conference, the I.C.4A., the Pennsylvania State College Athletic Conference, and a charter member of the Eastern Collegiate Athletic Conference.

Along with wide opportunities for participation, West Chester has excellent facilities and equipment, and when its new health and physical education center is completed, the College will have one of the ranking settings for training and research in health and physical education. All coaches are members of the faculty.

MEN'S INTRAMURAL ATHLETICS. Out of awareness that an athletic program is not educationally justified if confined to intercollegiate competition, West Chester provides a variety of athletic activities which are available to all students. Such sports as touch football, swimming, soccer, tennis, basketball, track, softball, and volleyball are conducted for men.

WOMEN'S ATHLETICS

In the interests of its women students, West Chester provides a broad variety of team, individual, and dual sports activities designed for them. Through participation in the planning, organizing, and performance of these sports, leadership responsibilities are developed. All women students are eligible to take part in women's intramural and intercollegiate sports programs.

WOMEN'S INTRAMURAL ATHLETICS. The Women's Athletic Association conducts intramural athletics for the social, physical, and recreational benefit of the women students. The governing council consists of the club officers and sports managers, who are elected by the students, and a faculty adviser. Hockey, volleyball, basketball, tennis, softball, table tennis, lacrosse, and badminton are among the activities available. The organization fosters good sportsmanship and increased participation. It views personal satisfaction and enjoyment as the desired outcomes of sports activity. The WAA belongs to the National Athletic and Recreation Federation of College Women and the Pennsylvania Division of the Athletic and Recreation Federation of College Women.

WOMEN'S INTERCOLLEGIATE ATHLETIC PROGRAM. The activities of the WIAP are conducted by the director of the program, the women coaches, and a student advisory council consisting of the managers of the varsity sports. The program includes a variety of team and individual sports, such as hockey, swimming, lacrosse, bowling, badminton, softball, gymnastics, basketball, tennis, and synchronized swimming. In accordance with the highest ideals of good sportsmanship, the activities are planned to provide opportunities for wholesome competition with college women of comparable skill. Participating students develop interest and skill in worthy leisure-time activities, further cultural understanding through contacts with students from other colleges, and gain experience in coaching. The entire women's intercollegiate program is guided by the standards and policies of the Division of Girls' and Women's Sports, a division of the American Association of Health, Physical Education, and Recreation.

B.S. IN HEALTH AND PHYSICAL EDUCATION

Candidates must satisfactorily complete 128 semester hours distributed among three areas as follows:

I GENERAL REQUIREMENTS 62 SEMESTER HOURS

<i>Skills and Competencies</i>	13 s. h.	<i>Social Sciences</i>	15 s. h.
Eng 101 Composition I	3	Psy 100 Intro. to Psychology	3
Eng 102 Composition II	3	His 101 History of Civ. I	3
Sph 101 Fund. of Speaking	2	His 102 History of Civ. II	3
PEd 111 Intro. to Gymnastics	1	PSc 231 American Government	3
PEd 112 Intro. to Tumbling	1	His 212 History of U.S.	
HEd 151 Personal Health	3	and Pa. II	3

<i>Humanities</i>	15 s. h.	<i>Sciences</i>	19 s. h.
Art 101 Fine Arts (Art)	3	Mat 101 Introduction to	
Lit 121 General Literature I	3	College Mathematics I	3
Lit 122 General Literature II	3	Che 100 Princ. of Chemistry	4
Mus 121 Fine Arts (Music)	3	Sci 150 Basic Physical Science	4
Phi 280 Intro. to Philosophy	3	Bio 261 Human Anatomy	4
		Bio 262 Human Physiology	4

II PROFESSIONAL EDUCATION 30 SEMESTER HOURS

EdF 100 School and Society	3	HEd 352 Methods and Materials	
EdM 300 Audio-Visual Education	2	in Health Education	2
EdP 250 Psychology of Learning		PEd 361 Tests, Measurements,	
and Development	3	and Statistics in	
PEd 211 Preparation for Teach-		Health and Phys. Edu.	3
ing Elem. Phys. Edu.	1	PEd 471 Student Teaching in the	
PEd 311 Preparation for Teach-		Secondary School,	
ing Sec. Phys. Edu.	1	including Practicum	12
HEd 351 Human Development	3		

III HEALTH AND PHYSICAL EDUCATION		36 SEMESTER HOURS	
PEd 121M	Individual Sports	1	
PEd 121W	Lacrosse and Track and Field		
PEd 122M	Soccer/Wrestling	1	
PEd 122W	Hockey/Volleyball		
PEd 131	Aquatic Fundamentals	1	
PEd 132	Life Saving and Water Safety	1	
HEd 153	Community Health	2	
PEd 212M	Intro to Heavy Apparatus	1	
PEd 212W	Advanced Gymnastics		
PEd 221M	Football, Track and Field	1	
PEd 221W	Adv. Hockey, Lacrosse		
PEd 222M	Basketball and Baseball	1	
PEd 222W	Basketball and Tennis		
PEd 241	Elem. Rhythms and Folk Dance	1	
PEd 242	Social and Square Dance	1	
HEd 252	First Aid and Prev. of Athletic Injuries	2	
HEd 253	School Health Program	2	
PEd 261	History and Philosophy of Physical Education	2	
PEd 322	Organization and Admin. of Athletics	1	
PEd 323M	Adv. Basketball, Football, Soccer, Track/Field	1	
PEd 323W	Tennis, Softball (etc.)		
PEd 324M	Baseball, Softball (etc.)	1	
PEd 324W	Badminton, Golf (etc.)		
PEd 341M	Elective	1	
PEd 341W	Modern Dance I		
PEd 362	Phys. Ed. for Elem. Grades	3	
PEd 364	Org. and Adm. of P. E.	2	
PEd 365	Phys. Activities for Atypical Children I	2	
PEd 455	Applied Physiology	2	
PEd 461	Phys. Activities for Atypical Children II	2	
PEd 462	Principles of Recreation	2	
PEd 463	Principles of Coaching	2	

TYPICAL COURSE SEQUENCE FOR HEALTH AND PHYSICAL EDUCATION MAJORS

FIRST SEMESTER	SEM. HRS.	SECOND SEMESTER	SEM. HRS.		
EdF 100	School and Society	3	Art 101	Fine Arts (Arts)	3
Eng 101	English Composition I	3	Che 100	Principles of Chemistry	4
Mat 101	Intro. to College Mathematics I	3	Eng 102	English Composition II	3
Sph 101	Fund. of Speaking	2	Psy 100	Intro. to Psychology	3
PEd 111M	Gym Activities		PEd 112M	Tumbling/Vaulting	
PEd 111W	Soccer/Spdb/Bkb	1	PEd 112W	Gym, Fund. of Exercises	1
PEd 121M	Individual Sports		PEd 122M	Soccer/Wrestling	
PEd 121W	Lacrosse/Track/Field	1	PEd 122W	Hockey/Volleyball	1
PEd 131	Aquatic Fundamentals	1	PEd 132	Life Saving	1
HEd 151	Personal Hygiene	3	HEd 153	Community Health	2

SCHOOL OF HEALTH/PHYSICAL EDUCATION 117

THIRD SEMESTER	SEM. HRS.	SIXTH SEMESTER	SEM. HRS.			
Bio 261	Human Anatomy	4	Bio 262	Human Physiology	4	
His 101	History of Civilization I	3	His 212	History of U.S. and Pa. II	3	
Lit 121	General Literature I	3	Mus 121	Fine Arts (Music)	3	
Sci 150	Basic Physical Science	4	PEd 311	Prep for Teaching Second. Phys. Educ.	1	
PEd 211	Prep. Tch. Elem. PE	1	PEd 322	Organization and Admini- stration of Athletics	1	
PEd 221M	Football/Track/Field	1	PEd 324M	Bsb/Golf/Tennis	1	
PEd 221W	Adv. Hk/Lac/Tr/Fld	1	324W	Bdm/Golf/Archery	1	
PEd 241	Elem. Rhy/Flk Dance	1	HEd 352	Methods and Materials of Health Education	2	
PEd 341W	Modern Dance I (Men) Elective	1	18	PEd 364	Org. and Admin. of Physical Education	2
		18			17	
FOURTH SEMESTER	SEM. HRS.	SEVENTH SEMESTER	SEM. HRS.			
His 102	History of Civilization II	3	Phi 280	Intro. to Philosophy	3	
Lit 122	General Literature II	3	PSc 231	American Government	3	
PEd 212M	Heavy Apparatus	1	PEd 455	Applied Physiology	2	
212W	Advanced Gymnastics	1	PEd 461	Physical Activities for Atypical Children II	2	
PEd 222M	Basketball/Baseball	1	PEd 462	Princ. of Recreation	2	
222W	Basketball/Tennis	1	PEd 463	Prin. of Coaching	2	
PEd 242	Social/Square Dance	1			14	
HEd 252	First Aid	2			15	
HEd 253	School Health Program	2				
PEd 261	History of Physical Education	2				
		2				
		15				
FIFTH SEMESTER	SEM. HRS.	EIGHTH SEMESTER	SEM. HRS.			
EdP 250	Psychology of Learning and Development	3	PEd 471	Student Teaching in the Secondary School, including Practicum	12	
EdM 300	Audio-Visual Education	2			12	
PEd 323M	Ad Fb/Bkb/So/Tr/Fld	1				
323W	Tn/Sfb/OffHk/Bkb	1				
HEd 351	Human Development	3				
PEd 361	Tests/Meas/Stat. in Physical Education	3				
PEd 362	Physical Education for Elementary Grades	3				
PEd 365	Physical Activities for Atypical Children I	2				
		2				
		17				
				TOTAL SEMESTER HRS.	128	

CERTIFICATION PROGRAM IN
EDUCATION FOR SAFE LIVING

(Highway Safety and General Safety Education)

The standards for certification as approved by the State Council of Education, January 9, 1948, require twelve semester hours for the extension of a teacher's certificate to include this field. The following courses are offered by the School to satisfy the course requirement in this field:

	Semester Hours
PEd 481 Introduction to Safety Education	3
PEd 482 Driver Education and Training	3
PEd 483 Psychology of Accident Prevention	3
PEd 484 Methods and Materials in Safety Education	3
PEd 485 Organization and Administration in Safety Education	3

A PROGRAM IN RECREATION LEADERSHIP

For students who desire to prepare as recreation leaders, the Department of Physical Education provides appropriate elective courses, in addition to related courses included in the requirements for the health and physical education major. The Department also offers a special program in camp leadership for staff members at children's summer camps. This supervised field experience is designed to aid the student's professional growth through work with children in the informal atmosphere of the camp. Any West Chester student is eligible to participate in the field program. If credit is to be applied toward a degree, permission of his adviser should be obtained. Students from other colleges may register, with the permission of the course instructor. They are advised to obtain approval from their own college in order to assure that credits from the course may be applied toward degree requirements. The available electives, as well as the summer field experience, are described below:

	Semester Hours
PEd 462 Principles of Recreation	3
PEd 367 Arts and Crafts in Recreation	3
PEd 370 Camping and Outing	3
<i>Summer Field Experience</i>	
PEd 460 Supervised Camping Leadership	3
(6 to 8 weeks' attendance at camp July through August)	

SCHOOL OF MUSIC

Lloyd C. Mitchell, *Dean*

Alexander Antonowich, *Assistant Dean*

Charles A. Sprenkle, *Associate Dean for
Graduate Studies and Research*

Professors

CHEESMAN
JOHNS
PARRIS
SCHICK
WILKINSON
WRIGHT

PENNINGTON
PFLIEGER
SHEPPARD
SMITH
SWEET
VELETA, R.
WEISS
WHITTEN
WILLIAMS

CONAWAY, S.
CONAWAY, W.
FRENZ
GUIDETTI
KRUEGER
MARKOW
MIDDLETON
SOUTHALL
VANDEVER
VAUGHAN

Associate Professors

ALT
ANDERSON
BARROW
CARSON
GANGEMI
GOTTLIEB
HALES
HAYS

Assistant Professors

BEATTY
BEDFORD
BOERLIN
BREUNINGER (Part-time)
BROWN
CARL

Instructors

KELLY (Part-time)
KLEIN
SULLIVAN
VELETA, M. (Part-time)
WAGNER

Bachelor of Science in Music Education

Bachelor of Arts in Music

Bachelor of Music

THE SCHOOL OF MUSIC offers three programs of study leading to undergraduate degrees:

[1] *Bachelor of Science in Music Education*: a balanced program of general, specialized, and professional courses leading to qualification for a Pennsylvania Provisional College Certificate to teach music in the elementary and secondary schools of Pennsylvania for three years.

[2] *Bachelor of Arts in Music*: a balanced program of courses which are general and specialized, providing a concentration area in either applied music or a combination of music theory and music literature; structured for students desiring a liberal arts education with a major in music.

[3] *Bachelor of Music*: a balanced program of courses which are general, specialized, and professional for the performing musician; structured for students desiring a college degree and interested in such areas as professional performance, studio teaching, and church music.

ENTRANCE REQUIREMENTS

Candidates for admission to the School of Music must meet the general requirements for admission as indicated under Admission to West Chester. In addition, all candidates must appear for a personal interview and certain music tests, which vary according to the degree program sought.

Transfer Students — consult the paragraphs headed "Admission of Transfer Students" and "Advanced Credit Requirement" under Admission to West Chester.

MUSIC TESTS — B.S. IN MUSIC EDUCATION

(1) Each candidate must demonstrate sufficient background in at least one performing medium which can be considered a major area: piano, organ, voice, or a band or orchestra instrument. The audition must give evidence of mastery of approximately fourth-grade-level material.

The following are acceptable as "major" instruments: violin, viola, cello, bass, trumpet, trombone, baritone, tuba, French horn, oboe, English horn, flute, clarinet, and bassoon. The College provides large instruments such as the tuba, string bass, or timpani for these tests. All other instruments must be brought to the College. The marimba, saxophone, accordion, and drums are not considered acceptable as a major performance area. The School of Music faculty will, however, audition a candidate on any of these instruments if the candidate believes the audition will demonstrate additional evidence of his background.

Note: each candidate must bring music for the vocal, piano, and instrumental compositions he intends to perform. Since all students must take a voice test, it is suggested that they come prepared with a song that will demonstrate vocal range and quality.

(2) All candidates are tested in voice, piano, and sight singing.

(3) A piano, organ, or voice major who has had band or orchestra instrument experience is urged to demonstrate his ability on his instrument.

(4) All candidates take the Seashore Test of Musical Talent. (No special preparation is necessary for this test.)

MUSIC TESTS — B.A. IN MUSIC

(1) Each candidate must demonstrate acceptable background in at least one performing medium. Those planning to elect the concentration in applied music must give evidence of mastery of approximately fourth-grade-level material. The College provides large instruments such as the tuba, string bass, or timpani for these tests. All smaller instruments must be brought to the College.

(2) All candidates take the Seashore Test of Musical Talent. (No special preparation is necessary for this test.)

MUSIC TESTS — B.MUS.

(1) Each candidate must demonstrate an advanced level of proficiency in the major area of performance as evidenced by ability to perform compositions representing a variety of musical styles. There must be evidence of mastery of approximately sixth-grade-level material. The College provides large instruments such as the tuba, string bass, or timpani for these tests. All smaller instruments must be brought to the College.

(2) All candidates take the Seashore Test of Musical Talent. (No special preparation is necessary for this test.)

SCHOOL OF MUSIC DEGREE PROGRAMS

B.S. IN MUSIC EDUCATION

Candidates must satisfactorily complete 128 semester hours, distributed among three areas as follows:

I	GENERAL REQUIREMENTS	52 SEMESTER HOURS
	1. SKILLS AND COMPETENCIES 12 semester hours	
	a. English Composition	6
	b. Speech	2
	c. Health	2
	d. Physical Education (including Eurythmics)	2
	2. HUMANITIES 18 semester hours	
	a. Literature	6
	b. Art	3
	c. Music	6
	d. Philosophy	3
	3. SOCIAL SCIENCES 15 semester hours	
	a. History	9
	b. Psychology	3
	c. Political Science	3
	4. SCIENCE (with Lab) 7 semester hours	

II PROFESSIONAL REQUIREMENTS

25 SEMESTER HOURS

EdF 100	School and Society	EdP 250	Psychology of Learning and Development
Mus 331	Elementary Music Methods	Mus 431	Student Teaching, Practicum, and Direction of Student Activities
Mus 332	Secondary Music Methods		
Mus 333	Instrumental Methods		

III SPECIALIZED PREPARATION

51 SEMESTER HOURS

Mus 111	Foundations of Music	ICo 311	Instrumental Conducting Major Performing Area (Individual Lessons) 4 - 8 hours
Mus 112	Theory of Music I		Minor Performing Area (Individual Lessons) 4 - 6 hours
Mus 211	Theory of Music II		Musical Organizations 6 - 8 hours
Mus 212	Theory of Music III		Electives 2 - 4 hours
Mus 311	Theory of Music IV		(to be chosen from list shown below)
Mus 113	Sight Singing I		
Mus 213	Sight Singing II		
CCo 211	Choral Conducting		

A typical sequence of courses may be obtained from the School of Music.

MUSIC ELECTIVES AVAILABLE

Theory and Composition

Mus 312	Counterpoint I
Mus 313	Counterpoint II
Mus 314	Musical Form
Mus 315	Orchestration
Mus 318	Techniques of Twentieth Century Composition
Mus 412	Composition I
Mus 413	Composition II

History and Literature of Music

Mus 322	American Music
Mus 323	Aesthetics and Music Criticism
Mus 421	Literature of the Musical Theater
Mus 422	Musico-Dramatic Production
Mus 224	Keyboard Literature I
Mus 225	Keyboard Literature II
Mus 226	Art Song I
Mus 227	Art Song II
Mus 324	String Literature I
Mus 325	String Literature II

Mus 326	Woodwind Literature I
Mus 327	Woodwind Literature II
Mus 328	Brass Literature I
Mus 329	Brass Literature II
Mus 423	Chamber Music Literature
Mus 424	Development of the Opera
Mus 425	Literature of Orchestral Music
Mus 426	Choral Repertoire I
Mus 427	Choral Repertoire II

Music Education

Mus 334	Teaching Music Appreciation in the Elementary Grades
Mus 335	Choral Materials and Practices
Mus 336	Piano Methods (Class)
Mus 337	Instrumental Techniques and Materials

Applied Music

Musical Organizations, Ensembles,
Master Classes, Advanced Conducting
(Choral, Instrumental).

BACHELOR OF ARTS

Candidates must satisfactorily complete 128 semester hours, distributed among three areas as follows:

- I GENERAL REQUIREMENTS 62 SEMESTER HOURS
 (See opening pages, Programs of Study. Locate by leafing to black bar on margin.)

The required 6 hours of a foreign language must be through the intermediate (201-202) level.

- II MUSIC CONCENTRATION REQUIREMENTS 56 SEMESTER HOURS

REQUIRED CORE [44 semester hours]

Mus 221 Music in Western Civilization I	Mus 314 Musical Form	
Mus 321 Music in Western Civilization II	Mus 113 Sight Singing I	
Mus 323 Aesthetics and Criticism	Performance Area (Individual Lessons)	8 hours
Mus 111 Foundations of Music	Minor Performance Area (Individual Lessons)	2 hours
Mus 112-211-212-311 Theory of Music I-II-III-IV	Musical Organization	2 hours
Mus 312 Counterpoint I	Conducting (Choral or Instrumental)	2 hours

REQUIRED COURSES IN MAJOR AREA OF CONCENTRATION

[12 semester hours]

ELECT EITHER A. OR B.

A. For students electing a concentration area of Applied Music:

Major Performing Area (Individual Lessons)	4 hours
Special Elective Requirement of Concentration Area (under advisement)	8 hours

B. For students electing a concentration area in the combination of Theory, and Music History and Literature:

Mus 313 Counterpoint II	Mus 423 Chamber Music Literature
Mus 315 Orchestration	Mus 424 Development of the Opera
Mus 318 Techniques of Twentieth Century Composition	Mus 425 Literature of Orchestral Music

- III ELECTIVES 10 SEMESTER HOURS

These courses may be chosen, under advisement, from other curricula or from the list, Music Electives Available, shown under B.S. in Music Education, above.

A typical sequence of courses may be obtained from the School of Music.

BACHELOR OF MUSIC

Candidates must satisfactorily complete a minimum of 128 semester hours, distributed among two areas, as follows:

I. GENERAL REQUIREMENTS		50 SEMESTER HOURS
[1] SKILLS AND COMPETENCIES	16 semester hours	
a. English Composition	6	c. Health 2
b. Foreign Languages	6	d. Physical Education
(Need not be at		(including
intermediate level)		Eurythmics)
		2
[2] HUMANITIES	17 semester hours	
a. English Literature	3	d. Music 3
b. English or Language		e. Aesthetics 2
Literature	3	f. Philosophy 3
c. Art	3	
[3] SOCIAL SCIENCES	6 or 9 semester hours	
a. History	6	b. Psychology 3
		(unless Mathematics,
		shown below, is
		chosen)
[4] SCIENCE	3 or 6 semester hours	
a. Physical Science,		b. Mathematics 3
including Acoustics	3	(unless Psychology,
		shown above, is
		chosen)
[5] ELECTIVES	5 semester hours	
(Chosen from all curricula)		

II. MUSIC CONCENTRATION REQUIREMENTS	78 SEMESTER HOURS
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A. REQUIRED CORE [60 semester hours]

Mus 221	Music in Western Civilization I	Major Performance Area	16 hours
		Minor Performance Area	4 hours
Mus 321	Music in Western Civilization II	Musical Organization	2 hours
Mus 111	Foundations of Music	Conducting (Choral or Instrumental)	2 hours
Mus 112-211-212-311	Theory of Music I-II-III-IV	Master Class and/or Ensemble	4 hours
Mus 312	Counterpoint I	Literature (Applied Major)	4 hours
Mus 314	Musical Form		
Mus 113	Sight Singing I		

B. ELECTIVES [18 semester hours]

These courses may be chosen, under advisement, from the list, Music Electives Available, shown under B.S. in Music Education, above.

Voice majors are required to elect 9 hours of a foreign language. (These language studies may be at any level.)

A typical sequence of courses may be obtained from the School of Music.

C

COURSE DESCRIPTIONS

Course descriptions are arranged alphabetically by field. Semester hours are indicated by a numeral in parentheses, immediately following a course title.

References to Fall or Spring of odd or even years are determined by the calendar year in effect, rather than the academic year. For instance, *Fall of odd years* indicates 1969, *Fall of even years*, 1970, *Spring of odd years*, 1969, and *Spring of even years*, 1970.

ANTHROPOLOGY

(SEE DEPARTMENT OF SOCIOLOGY AND ANTHROPOLOGY)

Ant 231 Introduction to Anthropology (3)

Man's biological and cultural evolution; comparative and functional analysis of culture. *Fall, Spring, Summer.*

Ant 331 Human Evolution (3)

Evolutionary thought, origin, and antiquity of the primates; fossil man, and living races. *Prerequisite:* Ant 231. (Some background in biology recommended.) *Spring of odd years.*

Ant 332 Social Organization (3)

Types of social groups, their structure and function. Kinship-based groupings, bands, villages, and larger units, associations, and secret societies. Forms of organization characteristic of preliterate cultures. *Prerequisite:* Ant 231. *Spring of even years.*

Ant 333 Cultural Dynamics (3)

An empirical and theoretical study of culture change. Impact of Western civilization on preliterate cultures. *Prerequisite:* Ant 231. *Fall of odd years.*

Ant 334 World Ethnography (3)

Selective survey of the preliterate cultures of the world, especially those of Oceania, Tropical Africa, and the American Indian. Emphasis on the cultures as they were before the changes wrought by contact with Western civilization. Various levels of societal complexity. *Prerequisite:* Ant 231. *Fall of even years.*

Ant 400 Senior Seminar in Anthropology (3)

Research in anthropology. Methodology, bibliography, and presentation, both oral and written. The research paper for the seminar must be acceptable as a required departmental Senior Research Paper. *Spring.*

Ant 403 (Also Art 403) Primitive Art (3)

Analysis of primitive art as determined principally through ritual and myth. Focus of content divided among the following: prehistory to Early Ancient Near East; contemporary primitive cultures; psycho-analytical interpretation; and contemporary primitivistic interests of the West. *Fall.*

Ant 410 Independent Studies in Anthropology (1 to 3)

Special research projects, reports, readings in anthropology. Open to seniors only. *Prerequisite:* permission of department chairman.

DEPARTMENT OF ART

MR. HALLMAN, *Chairman*

Associate Professors

McKINNEY
SIMMENDINGER

Assistant Professors

DEFINO
HAWTHORNE
HOBERG
RING

Instructor

TRAUB

Lecturer

MEHL

Art 101 Fine Arts (3)

Appreciation of the fine arts (painting, sculpture, and architecture) and graphics, dance, ceramics, fashions. *Fall, Spring, Summer.*

Art 201 Arts and Crafts (3)

An opportunity to experiment with craft materials and to be made aware of the great craftsmen of the world. *Fall and Summer.*

Art 202 Art for the Elementary Grades (3)

Exploration of the creative process through studio experimentation in two- and three-dimensional media. Understanding directed to the evaluation of children's work and the methods of motivation to increase their realization of self-expression. *Fall, Spring, Summer.*

Art 301 Oil Painting I (3)

Designed to develop expression in drawing and painting. Pictorial composition and oil painting techniques. *Prerequisite:* Art 320 or permission of instructor. *Fall, Spring, Summer.*

Art 302 Oil Painting II (3)

An extension of Art 301, with exploration in theory and techniques. *Prerequisite:* Art 320 or permission of instructor. *Fall, Spring, Summer.*

Art 303 Watercolor (3)

A basic course in watercolor. Transparent and opaque watercolor techniques; use and limitations of watercolor; watercolor papers and brushes. *Prerequisite:* Art 320 or permission of instructor. *Spring.*

Art 310 Sculpture I (3)

An opportunity to develop an individual expression in relation to three-dimensional design; experience of working in a variety of mediums, such as wood, clay, and stone. Materials treated experimentally to achieve creative interpretation. *Prerequisite:* Art 320 or permission of instructor. *Fall, Spring, Summer.*

Art 311 Sculpture II (3)

A concentrated course offering advanced work in wood, alabaster, welded metal, and Carrara marble. Individual interpretation with emphasis on creative expression. *Prerequisite:* Art 310. *Fall, Spring, Summer.*

Art 312 Sculpture III (3)

Anatomy of the human head and figure; modeling, carving, and casting. *Prerequisite:* Art 311. *Fall and Spring.*

Art 320 Drawing (3)

The beginning course in the exploration of line develops drawing skills in such media as pencil, pen and ink, charcoal, and pastel. Pure contour drawing as well as enriched color drawings of the figure, landscape, and still life. Required of all art majors. *Fall, Spring, Summer.*

Art 330 Ceramics (3)

Experimentation with the plastic characteristics of clay. Understanding of materials, techniques, and processes involved in ceramics. Introduction to coil, slab, mold, and wheel methods of construction; knowledge of clay bodies, glazes, textures, kiln firing, etc. Emphasis upon design as an organic outgrowth of the ceramic process. *Prerequisite:* Art 320 or permission of instructor. *Fall and Spring.*

Art 340 Graphics (3)

Designed to prepare the student to participate in various graphic processes. Woodcut, engraving, etching, lithography, serigraphy; use of the printing press; paper and inks for each process. *Prerequisite:* Art 320 or permission of the instructor. *Fall and Spring.*

Art 401 Aesthetics: Contemporary Art Forms (3)

Analysis of the meaning behind the "chaotic" multiforms of the 20th century. Comparison of visual expressions with the manifestoes and essays as they parallel innovations in style and ideas. *Fall.*

Art 403 (Also Ant 403) Primitive Art (3)

Analysis of primitive art as determined principally through ritual and myth. Focus of content divided among the following: prehistory to early Ancient Near East; contemporary primitive cultures; psycho-analytical interpretation; and contemporary primitivistic interests of the West. *Fall.*

Art 404 Western Art I: Antiquity and Middle Ages (3)

Analysis of art forms in context of cosmological ideas developed by Hebrews and Greeks culminating in Christian Middle Ages. Emphasis on art object as an integrating cultural force. *Spring.*

Art 405 Western Art II: Renaissance, Mannerism, Baroque (3)

Analysis of art forms in light of Copernican revolution; the disruption of and reorientation to the Classical order and Christian belief. Architecture, painting, sculpture, and other forms, treated as a unitary expression of this tension and attempted resolution. *Fall.*

Art 406 Western Art III: Rococo to Abstraction (3)

Analysis of the major period of anti-classicism and the development of a new (Romantic) sensibility. Special attention to the conflict between the rational-mechanistic and intuitive-organic concepts of the universe and creativity. *Spring.*

Art 407 Oriental Art (3)

Analysis of art forms in the context of Eastern philosophy. Main emphasis on India, China, and Japan. *Spring.*

Art 408 Arts of the United States (3)

Analysis of fine and decorative arts, and folk traditions. Special attention given to conflict between artistic motivation and demands of the market place, between traditional art forms and the need for new forms required by industry. *Fall.*

ASTRONOMY See Department of Physics

DEPARTMENT OF BIOLOGY

MR. McDONNELL, *Interim Chairman*

Professors
DORCHESTER
OVERLEASE
TREZISE

CINQUINA
CULLEN
MARTINEZ
SKILLEN

JONES
ROMIG
WOODRUFF

Associate Professors

BERNHARDT
BROWNELL

Assistant Professors

BLISS
GREENWOOD

Instructor:

WEBSTER

Bio 100 Basic Biological Science (4)

Basic principles of biology. Cell theory, energy metabolism, genetics, development, diversity of life forms, and ecology. Not open to biology majors. Three hours lecture and two hours lab. *Fall, Spring, Summer.*

Bio 111 Botany I (4)

Flowering plants. Structure and life processes of plant cells, leaves, stems, roots, flowers, seeds, and fruits. Economic importance of plants used by man; recognition and classification of seed plants in the immediate environs of the College. Three hours lecture and three hours lab. *Fall and Summer of odd years.*

Bio 112 Botany II (4)

Non-flowering plants. The structure and life processes of selected algae, bacteria, fungi, mosses, ferns, and their allies. Economic importance and health implications of some of these groups. Three hours lecture and three hours lab. *Spring and Summer of even years.*

Bio 141 Zoology I (4)

Representative life forms from each of the invertebrate phyla. Structure, function, origin, development, economic importance, and biological significance. Three hours lecture and three hours lab. *Fall and Summer of odd years.*

Bio 142 Zoology II (4)

Chordates in general, and more particularly the classes of vertebrates. Structure, function, origin, development, economic importance, and biological significance. Three hours lecture and three hours lab. *Spring and Summer of even years.*

Bio 210 Field Botany (3)

Methods of studying plants in their natural surroundings. Use of keys, botanical manuals, and illustrated floras to identify living specimens. Two hours lecture and three hours lab. *Prerequisite:* Bio 100 or Bio 111. *Spring of odd years.*

Bio 241 Field Zoology (3)

Animal life in the surrounding localities. Use of keys, charts, books, and museum specimens to identify and classify various animals. Two hours lecture and three hours lab. *Prerequisite:* Bio 100 or one semester of zoology. *Fall of even years.*

Bio 242 Ornithology (3)

Introduction to the birds of Pennsylvania with emphasis on field identification. Classification, migration, songs, courtship, nesting, care of young, and plumage changes. Two hours lecture and three hours lab. *Prerequisite:* Bio 100 or one semester of zoology. *Spring and Summer.*

Bio 243 Comparative Anatomy (3)

Comparative anatomical study of organ systems and evolutionary development of the classes of chordates. Two hours lecture and three hours lab. *Prerequisite:* Bio 142. *Spring of odd years.*

Bio 261 Human Anatomy (4)

Structure of man; emphasis on the skeletal and muscular systems. Three hours lecture and two hours lab. *Fall and Summer.*

Bio 262 Human Physiology (4)

Basic human functions with special emphasis on the circulatory, respiratory, and nervous systems. Three hours lecture and two hours lab. *Fall, Spring, Summer.*

Bio 301 Genetics (3)

Laws of heredity in plants, animals, and man. Cell structure, Mendelian inheritance, eugenics, linkage, probability, crossing-over, and random assortment. Two hours lecture and three hours lab. *Prerequisite:* 8 hours of biology. *Fall, Spring, Summer.*

Bio 301E Basic Genetics (3)

A course for non-major students. Mendelian laws of inheritance. Cell structure, cell division, mechanics of monohybrid and dihybrid crosses, linkage, crossing-over, and probability. Practical applications to elementary teaching. Two hours lecture and three hours lab. *Prerequisite:* Bio 100. *Fall.*

Bio 302 Ecology (3)

Relationship between living things and their environment approached through the study of individual ecosystems. The aquatic, the forest, the field and the city ecosystems. Two hours lecture and three hours lab. *Prerequisite:* 8 hours of biology or permission of the instructor. *Fall and Spring.*

Bio 302E Basic Ecology (3)

A course for non-major students. The relationship between living things and their environments. Practical applications to the elementary school program. Two hours lecture and three hours lab. *Prerequisite:* Bio 100. *Fall.*

Bio 310 Bacteriology (3)

Microscopic forms of life commonly encountered in biological work. Culture techniques and physiological processes of microorganisms. Two hours lecture and three hours lab. *Prerequisites:* Bio 111, Bio 112, Bio 141, Bio 142. *Spring.*

Bio 341 Entomology (3)

Insects: their structure, functions, classification, economic importance, and biological significance. Two hours lecture and three hours lab. *Prerequisite:* Bio 141. *Spring.*

Bio 341E Basic Entomology (3)

A course for non-major students. Insects commonly found in Pennsylvania. Collection and identification of the larger and more colorful specimens. The use of insects in the elementary school program. Two hours lecture and three hours lab. *Prerequisite:* Bio 100. *Spring and Summer.*

Bio 343 Physiological Chemistry (3)

The chemistry of living processes. Biologically important compounds and their metabolism. Two hours lecture and three hours lab. *Prerequisite:* Che 231. *Fall.*

Bio 344 General Physiology (3)

General principles of physiology. Concept of homeostasis; nature of protoplasm, acid-base balance, bioenergetics, electrophysiology, and enzyme activity. Two hours lecture and three hours lab. *Prerequisites:* Che 231, Bio 141, Bio 142, Mat 105 or equivalent. *Fall and Spring.*

Bio 345 Plant Physiology (3)

Physiological processes of plants. Photosynthesis, respiration, intermediate metabolism, entrance of solutes into the plant, water metabolism, and growth regulators. Two hours lecture and three hours lab. *Prerequisites:* Bio 111, Bio 112, Che 231. *Fall.*

Bio 346 Plant Structure (3)

Microscopic examination of plant cells. Interrelationship of cells, function of cells, and variations of cell anatomy. Two hours lecture and three hours lab. *Prerequisites:* Bio 111, Bio 112. *Spring of even years.*

Bio 351 Embryology (3)

Introduction to principles of animal development; laboratory study of vertebrate embryos. Two hours lecture and three hours lab. *Prerequisites:* Bio 141, Bio 142, Che 104. *Fall.*

Bio 355 Wildlife Conservation (3)

Principles of conservation of plant and animal resources. Collateral reading assignments. *Prerequisite:* Bio 100 or one semester of botany and zoology. *Fall.*

Bio 402 Cytology (3)

Intracellular organization of plant and animal cells, correlated with structure, chemical constitution, and function. Two hours lecture and three hours lab. *Prerequisites:* Bio 111, Bio 112, Bio 141, Bio 142, Che 103, Che 104. *Spring of even years.*

Bio 411 Plant Taxonomy (3)

Principles of taxonomy applied to the practical experience of plant identification. Modern concepts of biosystematics. Two hours lecture and three hours lab. *Prerequisites:* Bio 111, Bio 112. *Spring.*

Bio 450 Biology Seminar (1)

Reports on special topics and current developments in the biological sciences. *Prerequisite:* 22 hours in biology. *Fall and Spring.*

Bio 452 Special Problems in Biology (1 to 3)

Tutorial course for advanced undergraduate biology majors capable of doing independent study and research on a minor problem. *Prerequisite:* the supervising professor's approval of a proposed problem. *Fall and Spring.*

DEPARTMENT OF CHEMISTRY

DR. BRAVO, *Chairman*

Professors

GREENBERG
REYNOLDS

Associate Professors

CASCIATO
GERCHMAN
GROSH
WILLIAMS

Assistant Professor

FELDT

Lecturer

SHAW

Che 100 Principles of Chemistry (4)

A survey course required of all students in health and physical education. Fundamental laws and theories of chemistry, problem solving, and laboratory techniques. Two hours lecture, one hour recitation, two hours lab. *Fall, Spring, Summer.*

Che 103 General Chemistry I (4)

Basic laws of chemistry, fundamentals of chemical combination, atomic structure, chemical bonding, oxidation-reduction, solutions, electrochemistry, and modern concepts of acids and bases. Two hours lecture, one hour recitation, three hours lab. *Fall and Summer.*

Che 104 General Chemistry II and Qualitative Analysis (4)

A continuation of Che 103. Correlations of chemical principles and their application to modern descriptive chemistry. Laboratory work includes the semi-micro qualitative analysis. Two hours lecture, one hour recitation, three hours lab.

Prerequisite: Che 103. *Spring and Summer.*

Che 231 Organic Chemistry I (4)

Structures and reactions of organic molecules. Three hours lecture and four hours lab. *Prerequisite:* Che 104. *Fall and Summer.*

Che 232 Organic Chemistry II (4)

A continuation of Che 231. Three hours lecture and four hours lab. *Prerequisite:* Che 231. *Spring and Summer.*

Che 321 Quantitative Analysis (4)

Introduction to the theory and techniques of gravimetric and volumetric methods of analysis. Two hours lecture and six hours lab. *Prerequisite:* Che 104. *Fall.*

Che 324 Instrumental Methods of Analysis (3)

Theory and application of modern analytical instruments. Laboratory devoted to techniques in the use of selected instruments. One hour lecture and six hours lab.

Prerequisite: Che 321. *Spring.*

Che 341 Physical Chemistry I (4)

Properties of the states of matter, chemical thermodynamics, theory of solutions, and chemical equilibrium. Three hours lecture and three hours lab. *Prerequisite:* Mat 241 (may be concurrent), Che 321, Phy 102. *Fall.*

Che 342 Physical Chemistry II (4)

A continuation of Che 341. Electrochemistry, chemical kinetics, and atomic and molecular structure. Three hours lecture and three hours lab. *Prerequisite:* Che 341. *Spring.*

Che 401 History and Literature of Chemistry (2)

Historical background of chemistry; instruction in the use of a modern chemical library. *Prerequisites:* junior standing and permission of instructor. *Fall of odd years.*

Che 408 Industrial Chemical Processes (3)

Industrial aspects of chemistry including a description of chemical machineries, unit operations and processes, and trips to neighboring industries. *Prerequisite:* Che 231. *Spring of even years.*

Che 410 Advanced Inorganic Chemistry (3)

The application of modern chemical theories to inorganic substances and reactions; the chemistry of the short and long transition elements. *Prerequisite:* Che 104. *Spring.*

Che 432 Qualitative Organic Analysis (3)

A laboratory course in classical and instrumental methods for identification of organic compounds. One hour lecture and six hours lab. *Prerequisites:* Che 232, Che 321. *Fall.*

Che 480 Introduction to Chemical Research (2 to 6)

A program for senior students to undertake information retrieval and chemical research under direct supervision of a staff member. Six to eighteen hours of literature search and chemical research. *Prerequisites:* senior standing and permission of instructor. *Fall, Spring, Summer.*

COMPUTER SCIENCE See Department of Mathematics

EARTH AND SPACE SCIENCE

DR. GREENBERG, *Coordinator*

ESS 101 Earth Science (3)

The earth's composition and history; the processes that occur on and within the earth. Two hours lecture and two hours lab. *Fall and Spring.*

ESS 201 Physical Geology (4)

The earth's composition (minerals and rocks) and earth processes (weathering, erosion, volcanism, and diastrophism). Three hours lecture and three hours lab. *Fall.*

ESS 211 Historical Geology (4)

The geologic history of the earth and the evidences for this history. Three hours lecture and three hours lab. *Spring.*

ESS 301 Mineralogy and Petrology (3)

Physico-chemical principles used in the classification, identification, and origin of minerals and rocks. Two hours lecture and two hours lab. *Prerequisites:* Che 104, ESS 201. *Fall of odd years.*

ESS 311 Geochemistry (3)

The chemistry of the earth and its relation to geologic processes. Two hours lecture and two hours lab. *Prerequisites:* Che 104, ESS 201. *Spring of odd years.*

DEPARTMENT OF ECONOMICS

DR. FLECK, *Interim Chairman*

Professor
SCHOOLER

Associate Professor
JOHNS

Lecturer
TURNER

Eco 231 Principles of Economics (3)

An analysis and evaluation of production and consumption activities under market-oriented, modified capitalism. Specific important and urgent problems associated with these activities are highlighted. *Fall, Spring, Summer.*

Eco 332 Contemporary Economic Problems (3)

Analytical concepts and method applied to the evaluation of major economic issues. Alternative approaches to the resolution of economic problems compared on the basis of social costs and benefits. *Prerequisite: Eco 231. Fall.*

Eco 333 Consumer Economics (3)

The major kinds of economic decisions required of consumers, and an evaluation of the social and economic consequences of those decisions. *Fall, Spring, Summer.*

Eco 334 Industrial Relations (3)

Objectives sought and policies followed by labor and management in modern industrial relations in the United States. Collective bargaining processes and the role of government. *Prerequisite: Eco 231. Spring.*

Eco 335 Money and Banking (3)

Uses modern economic theory to analyze the influence of monetary institutions and policies. Traces the evolution of commercial and central banking in the United States. *Prerequisite: Eco 231. Spring.*

Eco 336 Business and Government (3)

Background and development of public policies which directly modify the free enterprise economy of the United States. Evaluation of policies which change the nature and extent of competition. *Prerequisite: Eco 231. Fall.*

Eco 337 Economic Growth and Development (3)

A survey and critical evaluation of alternative theories of capitalist economic development. Analysis and comparison of alternative public policies applicable to underdeveloped countries and regions. *Prerequisite:* Eco 231. *Spring.*

Eco 338 International Economics (3)

A descriptive, analytical examination of international trade, financial, and other economic relationships. The effects of public policies on these relationships. *Prerequisite:* Eco 231. *Fall.*

Eco 339 Economic Statistics (3)

Introduction to systematic presentation and evaluation of quantitative data. Emphasizes basic statistical measures, statistical inference, and regression, as applied to economic phenomena. *Prerequisite:* Eco 231. *Spring of even years.*

Eco 340 Intermediate Economic Theory (3)

A continuation and extension of the price-system analysis of Eco 231. Emphasis on the issue of efficiency in the economy's use of scarce productive resources. *Prerequisite:* Eco 231. *Fall of odd years.*

Eco 341 Public Finance (3)

Particular attention is given to government's influence on stability of national income. Also, treats the nature of tax and expenditure at the various levels of government and their effect on the allocation of resources and the distribution of income. *Prerequisite:* Eco 231. *Fall.*

Eco 342 Business Cycles (3)

Examines and analyzes the nature of economic fluctuation in modern capitalism. *Prerequisite:* Eco 231. *Fall.*

Eco 400 Senior Seminar in Economics (3)

Research in economics. Methodology, bibliography, and presentation, both oral and written. The research paper for the seminar must be acceptable as a required departmental Senior Research Paper. Required of all economics majors. *Spring.*

Eco 410 Independent Studies in Economics (1 to 3)

Special research projects, reports, readings in economics. Open to seniors only. *Prerequisite:* permission of department chairman.

SCHOOL OF EDUCATION

DR. BENDA, *Dean*

DR. LANDER, *Assistant to the Dean and Chairman, Department of Secondary Education and Professional Studies*

DR. KING, *Chairman, Department of Elementary Education*

Professors

BANNON
GREGG
HILL
KRAMER
McTAVISH
STRAYER
WEAGLEY

HAAS
HABECKER
HERRES
LABUDA
LEEDS
McCLURE
PAGANELLI
PATTERSON
PETA
RAHN
RECKTENWALD
STUDENMUND
SWIREN
THOMAS

DUNLAP
GIBSON
KULP
MOYER
REDMOND
STEINMETZ

Associate Professors

BARTH
CLARK
FRANCELLA
FREEMAN
GLEOCKLER
GOOD
GREENBERG

Assistant Professors

BUECHELE
CLEARY

Instructors

MORGAN
REIS

Visiting Professor

SUHR

Lecturers

BOURGEOIS
McKENDRY

LABORATORY SCHOOL

MR. CARTRIGHT, *Principal*

Assistant Professors

GRAFTON
JONES
PRITCHARD
RYAN

Instructors

HASSON
MORGAN
REED
WILSON

STUDENT TEACHING AND
INTERN PROGRAMS

DR. EVANS, *Director*

Associate Professors

DARKATSCH
DEISCHER
GERMAN
GOOD

HOLINGJAK
JACECKO
SEDINGER
TALLEY

Assistant Professors

MORGANTHALL
WALTERS

EXPLANATION OF PREFIXES

Courses given by the School of Education bear a general prefix of Ed followed by a letter which identifies the department or curriculum, as shown here:

A — Atypical (Special Education)	M — Instructional Media (Audio-Visual)
C — Counseling and Guidance	P — Psychology (Educational)
E — Elementary Education	S — Secondary Education
F — Foundations	U — Urban Education

EdF 100 School and Society (3)

An introduction to the nature, function, scope, organization, administration, and support of the public school in American society. *Fall, Spring, Summer.*

EdC 150 Introduction to Guidance and Counseling (3)

An orientation course for classroom teachers. The focus is upon personnel services. *Prerequisite: Psy 100. Fall, Spring, Summer.*

EdA 241 Psychology of Exceptional Children (3)

Psychology of children with superior or inferior intellectual ability; with defective vision, hearing, or speech; or with emotional, social, or physical handicaps. *Prerequisite: Psy 100. Spring and Summer.*

EdA 243 Psychology of the Mentally Retarded (3)

A survey of the psychological development of mentally retarded children. Emphasizes socio-economic, cultural, emotional, and educational factors influencing their behavior. *Prerequisite: EdA 241. Fall and Summer.*

EdP 250 Psychology of Learning and Development (3)

A study of learning in relation to the physical, social, emotional, and intellectual aspects of personality. *Prerequisite: Psy 100. Fall, Spring, Summer.*

EdP 251 Human Development: Childhood (3)

A study of child growth, development, and behavior, with specific application to early childhood and elementary education. (Formerly Psy 251.) *Prerequisite: Psy 100. Fall, Spring, Summer.*

EdM 300 Audio-Visual Education (2)

Techniques, materials, and equipment, and the development of skill in their use in teaching. Class meets three times weekly. *Fall, Spring, Summer.*

EdE 301 Early Childhood Education (3)

A study of young children and of preschool and beginning school programs, including teaching practices, materials and equipment, records and reports. *Prerequisite: EdP 251 or consent of instructor. Fall, Spring, Summer.*

EdE 303 Creativity in the Classroom (3)

Exploration of materials and processes of children's perceptions and behavior, aimed at encouraging the development of their critical and creative potentials. *Summer.*

EdS 306 Field Experience in Secondary Education (3)

Practical experience in identifying, analyzing, and defining problems in secondary education through placement of students as teacher-aides in cooperating schools. *Prerequisites:* EdF 100 and EdP 250. *Fall, Spring, Summer.*

EdE 309 Language Arts in the Elementary School (6)

A study of the total language program: oral language (listening and speaking), reading, and written language. Stresses content, sequence, methods, and materials of instruction. Combines the content of EdE 317 and EdE 319, but focuses on the interrelatedness among the language arts. *Fall, Spring, Summer.*

EdE 317 Oral and Written Expression in the Elementary School (3)

A study of the program in oral language (listening and speaking) and written language. Stresses content, sequence, methods, and materials of instruction. *Prerequisites:* department approval and permission of the Staff Dean of Undergraduate Studies. *Evening and Summer.*

EdE 319 Reading in the Elementary School (3)

Content, sequence, methods, and materials of instruction in the reading program. *Prerequisite:* department approval and permission of the Staff Dean of Undergraduate Studies. *Evening and Summer.*

EdS 320 Teaching of Reading in the Secondary Schools (3)

The nature of the reading process, the reading program, and reading study skills. Open only to students preparing to teach at the secondary level. *Fall, Spring, Summer.*

EdE 321 Diagnostic and Remedial Reading (3)

Identifying the problems and needs common to disabled readers. Procedures and materials for dealing with such problems. *Prerequisite:* EdE 309, EdE 319 or EdS 320. *Spring and Summer.*

EdA 330 Teaching the Exceptional Child (3)

A study of atypical children; the selection of learning aids and materials; the development of teaching techniques. *Prerequisite:* Psy 100. *Fall, Spring, Summer.*

EdA 340 The Curriculum and the Gifted Child (3)

The gifted child and means of providing an effective educational program to meet his needs. *Summer.*

EdA 344 Problems in Special Education (2)

Significant problems in the program for the mentally retarded child. The teacher's role in interpreting the special aspects of the program to school personnel, parents, and community. *Spring.*

EdA 348 Curriculum and Methods for the Mentally Retarded (3)

An introduction to methods of teaching mentally retarded children. Emphasis is upon developing classroom programs and the adaptation of instructional materials for use with the handicapped. *Fall and Spring.*

EdA 349 Curriculum and Methods for the Physically Handicapped (3)

An introduction to methods of teaching physically handicapped children. Emphasis is upon developing classroom programs and the adaptation of instructional materials for use with the handicapped. *Fall, Spring.*

EdP 351 Evaluation and Measurement (2)

A survey of testing materials and procedures with emphasis upon interpretation and application of results for pupil guidance purposes. Class meets three times weekly. *Prerequisites:* Psy 100 and EdP 250. *Fall, Spring, Summer.*

EdU 360 The Culturally Disadvantaged Child (3)

Backgrounds, problems, and potentialities of the culturally disadvantaged student. *Prerequisites:* Psy 100, EdP 251 or Psy 352. *Fall, Spring, Summer.*

EdU 361 Teaching in Urban Schools (3)

An introduction to urban education by means of observation, lectures, discussions, and related activities. *Fall, Spring, Summer.*

EdE 401 Current Trends in Elementary Education (3)

Basic curriculum principles, the organization and guidance of learning activities, classroom management, the professional responsibilities of teachers, and trends in elementary education. (Formerly Problems of Elementary Education.) *Prerequisite:* 96 semester hours, including all psychology and professional-education courses listed for the first six semesters. *Fall, Spring, Summer.*

**EdE 411 Student Teaching and Direction of Student Activities
(Elementary Majors) Including Practicum (12)**

Observation and participation in teaching and all other activities related to the teacher's work in the elementary school. Students meet once each week in a practicum session. *Prerequisites:* 96 semester hours including psychology and professional-education courses listed for the first six semesters and a cumulative average of at least 2.0. *Fall and Spring.*

**EdS 412 Student Teaching and Direction of Student Activities
(Secondary Majors) Including Practicum (12)**

Observation and participation in teaching and all other activities related to the teacher's work in the area of the student's specialization. *Prerequisites:* 96 semester hours, including all psychology and professional-education courses listed for the first six semesters. Students must have at least a 2.0 cumulative average and a 2.0 average in the major field. *Fall, Spring.*

DEPARTMENT OF ENGLISH

MR. CLOKEY, *Chairman**Professors*

BAILEY
BERRY
BINNEY
HALLEY
JORDAN
McKENTY
SLAGLE
THOMAS
WEST

Associate Professors

BOSWORTH-FLING
BROWNE
BRUTON
CORR

GARRETT
GRIFFIN
HAMILTON
HENRY
HUNSBERGER
KERSHNER
LANDRUM
McDOWELL
MOISIADES
NEWMAN
PAGE
SMITH, E.
SMITH, J.
SMITH, R.
WARD
WATKINS
WEBER
WEISS

Assistant Professors

FORD
LEWIS
MAYSON
RIMEL
ROMANELLI
THURBON

Instructors

COMBS
GILES
HARDIGAN
MATHEWS
NECHAS
ROWE

ENGLISH COMPOSITION

Eng 101 English Composition I (3)

Review of grammar and mechanics. Introduction to styles of writing. Compositions, outside reading, use of the library. *Fall, Spring, Summer.*

Eng 102 English Composition II (3)

A continuation of methods of composition: exposition, narration, argumentation, description. Techniques of research paper. *Prerequisite:* Eng 101. *Fall, Spring, Summer.*

Eng 211 Mass Media in Society (3)

Introduction to theory and problems of mass media; their role in American culture. *Fall.*

Eng 212 Principles of Newspaper Production I (2)

A workshop course in newspaper production through lectures and work on student newspaper. *Fall.*

Eng 213 Principles of Newspaper Production II (2)

A continuation of Eng 212. *Spring.*

Eng 214 Principles of Yearbook Production I (2)

All phases of yearbook planning, writing, editing, production, and financing. For yearbook staff members and potential yearbook advisers. *Fall.*

Eng 215 Principles of Yearbook Production II (2)

Practical applications of theories developed in Eng 214. *Prerequisite:* Eng 214. *Spring.*

Eng 216 News Reporting (2)

Basic theory of news reporting and practice in gathering and writing news for all media. Methods of research, writing, and interview techniques. *Prerequisite:* Eng 211. *Fall.*

Eng 217 Feature Writing (2)

Features in newspapers and magazines. Selecting ideas, gathering material, and writing feature articles. *Prerequisite:* Eng 211. *Spring.*

Eng 218 History of Communications (3)

History and development of newspapers, magazines, motion pictures, radio, and television. *Prerequisite:* Eng 211. *Spring of odd years.*

Eng 230 Business Communication (3)

Oral and written communications, reports, and forms. Duplication processes. *Spring.*

Eng 313 Advanced Writing (3)

Experience in expository, descriptive, narrative, and argumentative techniques. Emphasis on style. *Prerequisites:* Eng 101, Eng 102. *Fall, Spring, Summer.*

Eng 314 History of Language (3)

Review of the major forces and influences on language development. History of the English language. *Fall, Spring, Summer.*

Eng 315 Advanced Grammar (3)

Development of English grammar. A survey of the linguistic influences on the descriptive approach to grammar. *Prerequisites:* Eng 101, Eng 102. *Fall, Spring, Summer.*

Eng 316 Teaching English in Secondary Schools (3)

Review of language-arts requirements in secondary schools. Special reference to grade-placement with adaptation of materials, appraisal of results, and development of programs of study. *Prerequisites:* first and second years' English courses. *Fall, Spring, Summer.*

Eng 317 Old English Language and Literature (3)

An introductory study of the language and a review of selections from the religious and secular poetry. *Prerequisite:* Eng 314. *Fall.*

Eng 318 Middle English Language and Literature (3)

An introductory study of the language and a review of Middle English texts (exclusive of Chaucer). *Prerequisite:* Eng 314. *Spring.*

Eng 319 Linguistics — English (3)

Recent linguistic approaches to the structure of the English language. *Fall, Spring, Summer.*

Eng 321 Creative Writing (3)

Experience in writing fiction, poetry, drama. *Prerequisite:* permission of instructor. *Fall.*

Eng 400 English Honors Seminar (3)

Preference to seniors. *Prerequisite:* permission of instructor. *Fall, Spring.*

LITERATURE

Lit 121 General Literature I (3)

Introduction to Western literature from Homer to Cervantes. *Fall, Spring, Summer.*

Lit 122 General Literature II (3)

A continuation of Lit 121 from Shakespeare to the present. *Prerequisite:* Lit 121. *Fall, Spring, Summer.*

Lit 127 General Literature II (3)

Literature of Continental Europe from Neoclassicism to the present. For English majors and humanities majors in lieu of Lit 122. *Fall, Spring, Summer.*

Lit 223 American Literature I (3)

A survey of representative American writings from Colonial times to 1860. Emphasis on democratic ideals and national character. *Fall and Summer.*

Lit 224 American Literature II (3)

A survey of representative American writings from 1860 to the present. *Spring and Summer.*

Lit 225 English Literature I (3)

A survey of English literature from Anglo-Saxon writing to Robert Burns. *Fall and Summer.*

Lit 226 English Literature II (3)

A survey of English literature from Robert Burns to the present. *Spring and Summer.*

Lit 321 Great Books I (3)

A study in depth of six selected writings that have made significant contributions to the development of Western Civilization. *Fall.*

Lit 322 Great Books II (3)

A continuation of the study of the progress of Man in the world, using six additional masterworks. *Spring*.

Lit 329 Classical Mythology (1)

Literature of mythology. *Spring of even years*.

Lit 330 Medieval Literature in England (3)

Medieval English literature (1066-1500). A survey of literature from the Norman Conquest to the accession of the Tudors, emphasizing the popular forms: lyric, romance, metrical tale, fabliau, and ballad. *Prerequisites:* Lit 225, Lit 226. *Spring of even years*.

Lit 331 Chaucer (3)

Canterbury Tales and *Troilus and Criseyde*; literary interpretation. *Prerequisite:* Lit 225. *Spring*.

Lit 332 English Drama to the Renaissance (3)

English drama from the early liturgical tropes to the drama of Shakespeare's contemporaries. *Fall of even years*.

Lit 333 Shakespeare I (3)

Selected comedies, histories, and tragedies. Literary and historical background and Shakespeare's development as a dramatist. *Fall and Summer*.

Lit 334 Shakespeare II (3)

A continuation of Lit 333. *Spring and Summer*.

Lit 335 Eighteenth-Century Literature (3)

A critical consideration of eighteenth-century writers. The struggle between tradition and revolt. *Spring of even years*.

Lit 336 The Romantic Movement (3)

Wordsworth, Coleridge, Byron, Shelley, Keats, and their contemporaries in the light of social background and critical doctrine. *Spring of odd years*.

Lit 337 Victorian Literature (3)

Victorian thought and culture in selections of non-fiction prose and poetry. *Prerequisite:* Lit 226. *Fall of even years*.

Lit 338 Modern Irish Literature (3)

Major literary works of Ireland from 1860 to the present. Moore, Synge, Yeats, Joyce, Shaw, and O'Casey. *Spring of even years*.

Lit 339 Tudor-Stuart Literature (3)

Prose and poetry of the Tudor and Stuart periods. Major writers not covered in individual courses. *Prerequisites:* Lit 225, Lit 226. *Fall of odd years*.

Lit 341 Novel to 1870 (3)

Rise and development of the English novel with selections from the eighteenth century to Hardy and Mark Twain. *Fall of odd years.*

Lit 342 Contemporary Novel (3)

Modern and contemporary movements in fiction. Critical reading and analysis of English and American novels since 1870. *Spring of odd years.*

Lit 343 Contemporary Poetry (3)

English and American poetry since 1870. *Fall of even years.*

Lit 344 Literary Form and Content Since World War II (3)

Trends in American and English literature since the close of World War II. The anti-novel, anti-play, pseudo-play, current Theater of the Absurd, current Existentialist literature, neo-novella, theater-piece, happening, and other non-oeuvres. *Spring of even years.*

Lit 345 Criticism (3)

Historical study of literary criticism and aesthetic theory. *Spring of odd years.*

Lit 346 Essay (3)

History and development of the essay. Readings in current periodicals and experience in writing. *Spring of even years.*

Lit 347 Literature of Biography (3)

Historical development of biographical writing. Plutarch, Boswell, Carlyle, Macaulay, Strachey, Bradford, Ludwig, and standard contemporary biographers. *Fall of odd years.*

Lit 348 Short Story (3)

The short story as an aesthetic literary form. *Fall of even years.*

Lit 349 Bible as Literature (3)

Books of the English Bible, especially the King James Version, as a part of English and American Literature. *Spring of even years.*

Lit 350 Children's Literature (3)

Introduction to important children's books, old and new. Techniques for presentation of book material and evaluation of children's books. *Fall, Spring, Summer.*

Lit 351 Modern Drama I (3)

American and British drama since 1890. *Fall of odd years.*

Lit 352 Modern Drama II (3)

Works and contributions of no more than five twentieth-century Western playwrights. *Spring of even years.*

Lit 353 Reading Interests of Secondary School Students (3)

A service course. Interests and reading growth of junior and senior high school students. *Fall.*

DEPARTMENT OF FOREIGN LANGUAGES

DR. ROBERTS, *Chairman**Associate Professors*FRIEMAN
GLUMAC
GUTWIRTH
KUHLMANN
LOMBARDI
NUNEZ*Assistant Professors*EISENSTADT
GREENE
KULASKI
KULHANEK
LANGLOIS
SCHNEIDER*Instructor*

BROWN

Lecturer

PFUND

*FRENCH***Fre 101 Elementary French I (3)**

Fundamentals of French grammar, syntax, and pronunciation. Introduction to French culture through easy reading texts. The audio-lingual method is employed at all times. Work in the language laboratory required. *Fall, Spring, Summer.*

Fre 102 Elementary French II (3)

A continuation of Fre 101 with increased emphasis on reading and conversation in French. Language laboratory drill required. *Fall, Spring, Summer.*

Fre 201 Intermediate French I (3)

Intensive review of grammar and syntax. Readings in French literature as a basis for class discussion in French and practice in composition. Language laboratory drill for remedial work only. *Prerequisite:* Fre 102 or equivalent. *Fall, Spring, Summer.*

Fre 202 Intermediate French II (3)

A continuation of Fre 201 with more extensive practice in composition and conversation. *Fall, Spring, Summer.*

Note: All advanced literature and civilization courses include lectures and discussion in the foreign language, and all student papers and examinations must be written in the foreign language.

Fre 203 Advanced Grammar and Composition (3)

The more complex grammatical and syntactical structures of the language, with particular attention to stylistics. Practice in writing compositions on a more advanced level, with emphasis on correct usage. *Prerequisite:* Fre 202 or equivalent. *Spring.*

Fre 204 Advanced Oral French (3)

Intensive drill in the oral use of the language to develop proficiency in listening comprehension and speaking. *Prerequisite:* Fre 203 or equivalent. *Spring.*

Fre 205 Survey of Literature I (3)

French literature from its earliest beginnings to the French Revolution. *Prerequisite:* Fre 202 or equivalent. *Fall and Spring.*

Fre 206 Survey of Literature II (3)

French literature from the French Revolution to the present. *Prerequisite:* Fre 202 or equivalent. *Fall and Spring.*

Fre 301 Advanced Language and Techniques (3)

Problems, methods, and materials of the teaching of French. Observation of foreign language classes being taught. *Prerequisite:* Fre 202 or equivalent. *Fall.*

Fre 302 General Linguistics (3)

Methods of modern linguistic science as applicable to the study and teaching of the major European languages. Principles of structural analysis of living languages and of historical linguistics. Brief survey of the development of Germanic, Romance and Slavic languages and their cross-influences. *Spring.*

Fre 303 French in the Elementary School (3)

Techniques and materials used in teaching French in the elementary school. Practice in the application of these techniques and observation of foreign language classes in the Laboratory School. *Prerequisite:* Fre 102 or equivalent. *Fall.*

Fre 304 French Civilization (3)

France's political and educational systems, her economic and religious institutions, and her folkways. The arts in France today. *Prerequisite:* Fre 201 or equivalent. *Spring.*

Fre 401 French Literature of the Eighteenth Century (3)

Literary genres in France in the eighteenth century, emphasizing the works of Voltaire, Rousseau, Montesquieu and Diderot. *Prerequisite:* Fre 205. *Fall of odd years.*

Fre 402 French Literature of the Nineteenth Century (3)

Literary movements of the nineteenth century. *Prerequisite:* Fre 206. *Spring of even years.*

Fre 403 Contemporary French Literature (3)

Major literary works of the twentieth century and philosophico-esthetic movements which contributed to them. *Prerequisite:* Fre 206. *Fall of even years.*

Fre 404 French Classical Drama (3)

Corneille, Racine, and Moliere. *Prerequisite:* Fre 205. *Spring of odd years.*

Fre 410 Honors Seminar (3)

Independent study and research for upper division students who qualify under the honors program in foreign languages. *Fall and Spring.*

Fre 411 Honors Seminar (3)

Independent study and research for upper division students who qualify under the honors program in foreign languages. Fre 410 is not prerequisite. *Fall and Spring.*

JUNIOR YEAR ABROAD PROGRAM

Fre 361-62: Advanced Grammar and Composition (6)

Grammatical and syntactical structure of French. Practical application in free and controlled composition.

Fre 363-64: Advanced French Conversation (6)

Intensive drill in correct usage of contemporary speech patterns. Extensive opportunity for oral self-expression.

Fre 365-66: Phonetics and Translation (6)

The sounds of French through the medium of the international phonetic alphabet. The art of translation. The language laboratory is used for phonetic drill.

Fre 367-68: Contemporary French Civilization (6)

France today—social, political, and economic life; science, technology, literature, art.

Fre 369-70: Linguistic Studies (6)

"Explication de Texte" from representative writers.

GERMAN

Ger 101 Elementary German I (3)

Fundamentals of German grammar, syntax, and pronunciation. Introduction to German culture through easy reading texts. The audio-lingual method is employed and language laboratory drill is required. *Fall, Spring, Summer.*

Ger 102 Elementary German II (3)

A continuation of Ger 101 with increased emphasis on reading and conversation in German Language laboratory drill. *Fall, Spring, Summer.*

Ger 201 Intermediate German I (3)

Review of grammar and syntax. Readings in German literature as a basis for class discussion in German and practice in composition. Language laboratory drill required for remedial work only. *Prerequisite:* Ger 102 or equivalent. *Fall, Spring, Summer.*

Ger 202 Intermediate German II (3)

A continuation of Ger 201. Extensive practice in composition and conversation. *Fall, Spring, Summer.*

Note: *All advanced literature and civilization courses include lectures and discussion in the foreign languages, and all student papers and examinations must be written in the foreign language.*

Ger 203 Advanced Grammar and Composition (3)

The more complex grammatical and syntactical structures of the language, with particular attention to stylistics. Practice in writing compositions on a more advanced level, with emphasis on correct usage. *Prerequisite:* Ger 202 or equivalent. *Spring.*

Ger 204 Advanced Oral German (3)

Intensive drill in the oral use of the language to develop proficiency in listening comprehension and speaking. *Prerequisite:* Ger 203 or equivalent. *Spring.*

Ger 205 Survey of Literature I (3)

German literature and civilization from their earliest beginnings to 1800. *Prerequisite:* Ger 202 or equivalent. *Fall.*

Ger 206 Survey of Literature II (3)

German literature and civilization from 1800 to the present. *Prerequisite:* Ger 202 or equivalent. *Spring.*

Ger 301 Advanced Language and Techniques (3)

Introduction to the problems, methods, and materials of the teaching of German. Observation of foreign language classes being taught. *Prerequisite:* Ger 202 or equivalent. *Fall.*

Ger 302 General Linguistics (3)

Methods of modern linguistic science for the study and teaching of the major European languages. Principles of structural analysis of living languages and historical linguistics. The development of Germanic, Romance, and Slavic languages and their cross-influences. *Spring.*

Ger 401 The Age of Goethe (3)

German literary doctrines and masterpieces of the periods of Enlightenment, Storm and Stress, and Classicism. *Prerequisite:* Ger 202 or equivalent. *Fall of odd years.*

Ger 402 Contemporary German Literature (3)

Works of the principal German writers of the twentieth century and the background of events and ideas which have contributed to the development of these writers. *Prerequisite:* Ger 202 or equivalent. *Spring of even years.*

150 FOREIGN LANGUAGES

Ger 403 The German Short Story (3)

The German short story from Romanticism to the present. *Prerequisite:* Ger 202 or equivalent. *Fall of even years.*

Ger 404 Goethe (3)

Important works of Goethe; his background and literary development. *Prerequisite:* Ger 205. *Spring of odd years.*

Ger 405 Scientific German (3)

Review of syntax, readings, and translation in general science and basic technical fields. *Prerequisite:* Ger 102 or equivalent. *Fall of odd years.*

Ger 406 German Civilization (3)

The evolution of Germany's social, political, and economic institutions. An analysis of the major contributions of German civilization to Western culture. *Spring of even years.*

Ger 410 Honors Seminar (3)

Independent study and research for upper division students who qualify under the honors program in foreign languages. *Fall and Spring.*

Ger 411 Honors Seminar (3)

Independent study and research for upper division students who qualify under the honors program in foreign languages. Ger 410 is not prerequisite. *Fall and Spring.*

GREEK

Gre 101 Beginning Greek I (3)

For students who have had no previous Greek. Forms, syntax, and idioms of Homeric Greek. *Fall.*

Gre 102 Beginning Greek II (3)

A continuation of Gre 101. Reading of Homer's *Iliad*, Book I, followed by an introduction to Attic Greek. Records and tapes in Greek to supplement class work. *Spring.*

Gre 201 Intermediate Greek I (3)

Review of Attic grammar and readings in Attic authors. Introduction to the *koine* and readings in New Testament Greek. *Fall.*

Gre 202 Intermediate Greek II (3)

Introduction to Greek Tragedy. Sophocles' *Antigone* and Euripides' *Medea* are read and analyzed. *Spring.*

ITALIAN

Ita 101 Elementary Italian I (3)

Introduction, through the audio-lingual method, to the sounds of Italian. Thorough and intensive drill, both in class and in the language laboratory, with pronunciation, intonation, and basic linguistic patterns. Introduction to Italian culture by means of basic dialogues and easy reading texts. *Fall.*

Ita 102 Elementary Italian II (3)

A continuation of Ita 101 with greater emphasis on structural analysis. *Spring.*

Ita 201 Intermediate Italian I (3)

Review of Italian grammar and syntax. Introduction to Italian literature through short readings of intermediate difficulty. Composition and conversation in Italian based on reading assignments. Language laboratory for remedial drill. *Fall.*

Ita 202 Intermediate Italian II (3)

A continuation of Ita 201 with increased emphasis on free composition and conversation. *Spring.*

LATIN

Lat 101 Beginning Latin I (3)

For students who have had no previous Latin. Forms, syntax, and idioms of classical Latin. Selected readings. *Fall.*

Lat 102 Beginning Latin II (3)

A continuation of Lat 101. Records and tapes in Latin to supplement class work. *Spring.*

Lat 201 Cicero (3)

Prerequisite: Lat 101-102, or two years of secondary school Latin. Selections from the orations, letters, and essays. *Fall.*

Lat 202 Virgil (3)

Prerequisite: Lat 201, or three years of secondary school Latin. Reading and analysis of celebrated portions of the *Aeneid*. The nature of Latin epic poetry. *Spring.*

Note: *Prerequisite to courses 301-405: Latin 202, or four years of secondary school Latin.*

Lat 301 Advanced Language and Techniques (3)

Introduction to the problems, methods, and materials involved in the teaching of Latin. *Fall.*

Lat 302 The Lyric Poets (3)

Latin lyric poetry through readings in Catullus and the Odes and Epodes of Horace. Practice in the composition of lyric poetry. *Fall of even years.*

Lat 303 Advanced Latin Prose Composition (3)

Required of Latin majors; open to other students accepted by the instructor. The complex syntactical structures of Latin and of classical style. Translations of English prose into classical Latin. *Fall of even years.*

Lat 304 The Elegiac Poets (3)

Latin elegiac poetry through readings in Ovid, Tibullus, Lygdamas, Sulpicia, and Propertius. Practice in the composition of elegiac poetry. *Spring of odd years.*

Lat 305 Reading Course (3)

Open to Latin majors only. Area and content to be determined by students' needs.

Lat 306 Roman Historians (3)

Introduction to Roman historiography. Readings in Livy, Sallust, and Tacitus. *Spring of even years.*

Lat 401 Roman Drama (3)

Origins and development of Roman drama. Selected plays of Plautus, Terence, and Seneca. *Spring of even years.*

Lat 402 Roman Philosophy (3)

Introduction to Greek and Roman philosophy. Readings in Cicero, *Tusculan Disputations*, and Lucretius, *De Rerum Natura*. Cicero presents mainly the Platonic view; Lucretius argues in epic verse for Epicurus' creed. *Fall of odd years.*

Lat 403 Roman Satire (3)

Origins and development of Roman satire. Readings in Horace, Persius, and Juvenal. *Fall of odd years.*

Lat 404 The Latin Novel (3)

Readings in Petronius, *Satyricon*, and Apuleius, *The Golden Ass*. Lectures and discussion of the emergence of the novel as a literary form. *Spring of odd years.*

Lat 405 Medieval Latin (3)

Prose and poetry from the fourth to the seventeenth centuries. *Fall of even years.*

Lat 406 Tutorial Course (3)

Required of majors in Latin or Classics; open to other students accepted by the instructor. Introduction to the history of the alphabet; principles of historical and comparative linguistics, especially as applied to Greek and Latin; and history of the Latin language as seen in ancient authors and inscriptions.

RUSSIAN

Rus 101 Beginning Russian I (3)

Fundamentals of Russian grammar, syntax, and pronunciation. Extensive drill in the language laboratory is required. One class hour per week in the language laboratory. *Fall.*

Rus 102 Beginning Russian II (3)

A continuation of Rus 101 with increased emphasis on reading and conversation in Russian. One class hour per week in the language laboratory. *Spring.*

Rus 201 Intermediate Russian I (3)

Grammar review with readings in Russian literature as a basis for class discussion in Russian and practice in composition. Language laboratory drill recommended for those needing further work in pronunciation and intonation. *Prerequisite:* Rus 102 or the equivalent. *Fall.*

Rus 202 Intermediate Russian II (3)

A continuation of Rus 201 with more extensive practice in composition and conversation. *Spring.*

Note: All advanced literature and civilization courses include lectures and discussion in the foreign language, and all student papers and examinations must be written in the foreign language.

Rus 203 Advanced Grammar and Composition (3)

The more complex grammatical and syntactical structure of the language, with particular attention to stylistics. Practice in writing compositions on a more advanced level, with emphasis on correct usage. *Prerequisite:* Rus 202 or equivalent. *Spring.*

Rus 204 Advanced Oral Russian (3)

Intensive drill in the oral use of the language to develop proficiency in listening comprehension and speaking. *Prerequisite:* Rus 203 or equivalent. *Spring.*

Rus 205 Advanced Readings in Russian Literature I (3)

Works of Pushkin, Lermontov, Turgenev, and Gorki will be read and analyzed. *Prerequisite:* Rus 202 or the equivalent. *Fall.*

Rus 206 Advanced Readings in Russian Literature II (3)

A continuation of Rus 205. *Spring.*

Rus 301 Advanced Language and Techniques (3)

Problems, methods, and materials of the teaching of Russian. *Prerequisite:* Rus 202 or equivalent. *Fall.*

Rus 302 General Linguistics (3)

Methods of modern linguistic science as applicable to the study and teaching of the major European languages. Principles of structural analysis of living languages and of historical linguistics. Brief survey of the development of Germanic, Romance and Slavic languages and their cross-influences. *Spring.*

Rus 303 Scientific Russian I (3)

Review of syntax; reading and translation in general science and basic technical fields. *Prerequisite:* Rus 202 or equivalent. *Fall of odd years.*

Rus 304 Scientific Russian II (3)

A continuation of Rus 303. *Spring of even years.*

Rus 401 The Russian Novel (3)

The Russian novel and literary trends of the nineteenth and twentieth centuries. *Prerequisite:* Rus 205 or equivalent. *Fall of even years.*

Rus 402 The Russian Drama (3)

Works of the major Russian dramatists of the nineteenth and twentieth centuries. *Prerequisite:* Rus 205 or equivalent. *Spring of odd years.*

Rus 410 Honors Seminar (3)

Independent study and research for upper division students who qualify under the honors program in foreign languages. *Fall and Spring.*

Rus 411 Honors Seminar (3)

Independent study and research for upper division students who qualify under the honors program in foreign languages. Rus 410 is not prerequisite. *Fall and Spring.*

SPANISH**Spa 101 Elementary Spanish I (3)**

Fundamentals of Spanish grammar, syntax, and pronunciation from the oral-aural point of view. Introduction to Spanish culture through easy reading texts. One class a week in the language laboratory for work on pattern drills. *Fall, Spring, Summer.*

Spa 102 Elementary Spanish II (3)

A continuation of Spa 101 with emphasis on reading and conversation in Spanish with the aim of increasing oral-aural skills in the language. Language laboratory class once a week. *Fall, Spring, Summer.*

Spa 201 Intermediate Spanish I (3)

Review of Spanish grammar and syntax. Readings in Spanish literature as a basis for class discussion in Spanish and practice in composition. Language laboratory

drill recommended for remedial work where needed. *Prerequisite:* Spa 102 or equivalent. *Fall, Spring, Summer.*

Spa 202 Intermediate Spanish II (3)

A continuation of Spa 201 with extensive practice in composition and conversation on a more advanced level. *Fall, Spring, Summer.*

Note: All advanced literature and civilization courses include lectures and discussion in the foreign language, and all student papers and examinations must be written in the foreign language.

Spa 203 Advanced Grammar and Composition (3)

The more complex grammatical and syntactical structures of the language, with particular attention to stylistics. Practice in writing compositions on a more advanced level, with emphasis on correct usage. *Prerequisite:* Spa 202 or equivalent. *Spring.*

Spa 204 Advanced Oral Spanish (3)

Intensive drill in the oral use of the language to develop proficiency in listening comprehension and speaking. *Prerequisite:* Spa 203 or equivalent. *Spring.*

Spa 205 Survey of Literature [Golden Age] (3)

Spanish literature from its earliest beginning to the eighteenth century with special emphasis on the literature of the Golden Age. *Prerequisite:* Spa 202 or equivalent. *Fall and Spring.*

Spa 206 Survey of Literature [Since 1800] (3)

Spanish literature from 1800 to the present. *Prerequisite:* Spa 202 or equivalent. *Fall and Spring.*

Spa 301 Advanced Language and Techniques (3)

Problems, methods, and materials of the teaching of Spanish. Observation of foreign language classes being taught. *Prerequisite:* Spa 202 or equivalent. *Fall.*

Spa 302 General Linguistics (3)

Methods of modern linguistic science as applicable to the study and teaching of of the major European languages. Principles of structural analysis of living languages and of historical linguistics. Brief survey of the development of Germanic, Romance, and Slavic languages and their cross-influences. *Spring.*

Spa 303 Spanish in the Elementary School (3)

Techniques and materials used in teaching Spanish in the elementary school. Practice in the application of these techniques and observation of foreign language classes in the Laboratory School. *Prerequisite:* Spa 102 or equivalent. *Fall.*

Spa 304 Spanish Civilization (3)

Major contributions of Spain from an eclectic point of view. Cultural, geographical, literary, philosophical, and artistic manifestations of the Hispanic world are studied, appreciated, and evaluated. *Prerequisite:* Spa 201 or equivalent. *Spring.*

Spa 401 Spanish-American Literature (3)

Spanish-American literature and the present trends. *Prerequisite:* Spa 202 or equivalent. *Fall of odd years.*

Spa 402 Contemporary Spanish Literature (3)

Contemporary Spanish literature against the background of twentieth century literary trends. *Prerequisite:* Spa 202 or equivalent. *Spring of even years.*

Spa 403 The Spanish "Comedia" (3)

The Spanish "Comedia," with the major trends of the Spanish Golden Age. *Prerequisite:* Spa 205. *Fall of even years.*

Spa 404 The Picaresque Novel (3)

The picaresque novel in its uniquely Spanish aspects. *Lazarillo de Tormes, Guzman de Alfarache, and others.* *Prerequisite:* Spa 205. *Spring of odd years.*

Spa 410 Honors Seminar (3)

Independent study and research for upper division students who qualify under the honors program in foreign languages. *Fall and Spring.*

Spa 411 Honors Seminar (3)

Independent study and research for upper division students who qualify under the honors program in foreign languages. Spa 410 is not prerequisite. *Fall and Spring.*

FRENCH See Department of Foreign Languages

DEPARTMENT OF GEOGRAPHY

DR. KEINARD, *Chairman*

Professor
LANGDON

Assistant Professors
MORROW
THOMPSON

Lecturers
HUTCHINSON
MARTINI
TETHERS

Associate Professors
BIELSKI
HAWTHORNE
RAMPON

Geo 101 World Geography (3)

Varied patterns of the natural environment throughout the world. Man's economic and cultural responses to environmental situations. *Fall, Spring, Summer.*

Geo 201 Conservation of Natural Resources (3)

The wise use of our natural resources and the problems of resource management. *Prerequisite:* Geo 101. *Spring and Summer.*

Geo 202 Geography of the United States and Canada (3)

A regional study of the United States and Canada; man's adjustment to his physical environment. Political adjustments to the geographic environments and relations between the two countries. *Prerequisite:* Geo 101. *Fall, Spring, Summer.*

Geo 203 Economic Geography (3)

Modern trends and problems of the economic growth of the United States. The changing wants and needs of man in regard to agriculture, industry and world resources. *Prerequisite:* Geo 101. *Fall, Spring, Summer.*

Geo 204 Geography of Pennsylvania (3)

A regional study of Pennsylvania; man's cultural and economic responses to environmental factors. Urbanization, people, agriculture, landforms, resources, and industries. *Fall, Spring, Summer.*

Geo 205 Geomorphology (3)

Dynamic constructive and gradational forces, which have shaped the present landforms and are constantly reshaping and modifying them. Interpretation of geologic and topographic maps; field studies. Field trips required. *Prerequisite:* Geo 101. *Fall.*

Geo 206 Meteorology: An Introduction to Climate (3)

A basic study of the atmosphere. Analysis of the laws and principles of atmospheric change in relation to weather and climate. Practical experience with weather instruments, weather maps, and data. *Prerequisite:* Geo 101. *Spring of even years.*

Geo 207 Geography of Europe (3)

A regional study of Europe. Geographic relationships underlying land uses, international problems, and boundary disputes. The Soviet Union is not included. *Prerequisite:* Geo 101. *Fall and Summer.*

Geo 208 Geography of Latin America (3)

A regional study of Middle and South America; man's responses to environmental factors such as climate, landforms, and resources. *Prerequisite:* Geo 101. *Fall and Summer.*

Geo 209 The United States in its Global Relationships (3)

Economic patterns of the United States which meet the economic and political situations affecting United States relations in the world. *Prerequisite:* Geo 101. *Offered as needed.*

Geo 210 Geographic Influences in American History (3)

The early historical period of the United States; World War II and our present worldwide interests and commitments. *Prerequisite:* Geo 101. *Fall and Summer.*

Geo 211 Map Appreciation and Interpretation (3)

The appreciation and understanding of maps. Reading and interpreting large-scale topographic maps; special purpose maps. *Fall and Summer.*

Geo 300 Physical Geography (3)

Basic principles of physical geography in relation to the total geographic concept. The total earth physical environment. *Offered as needed.*

Geo 301 Introduction to Physical Geology (3)

The earth's crust; materials and structures of landforms. Required field work, study of rocks and minerals, topographic and geologic maps. Field trips required. *Prerequisite:* Geo 101. *Offered as needed.*

Geo 302 Climatology (3)

Climatic variations of the earth and their classification into regional types. Biological soil and cultural relationships of the climatic types. *Prerequisite:* Geo 101. *Spring of odd years.*

Geo 303 Cartography (3)

An opportunity for the geography major to develop and construct maps and other graphic tools. The development of special purpose maps as tools in teaching and research, utilizing modern map-making techniques. Four hours lecture. *Fall.*

Geo 304 Geography of Asia (3)

Southwestern and Southeastern Asia; the cultural aspects of race, religion, economic and political factors. *Prerequisite:* Geo 101. *Spring.*

Geo 305 Geography of the Far East (3)

A detailed study of China and Japan. Other areas included: Korea, the Philippine Islands, Taiwan, and the Outer Pacific Islands. *Prerequisite:* Geo 101. *Fall.*

Geo 306 Geography of Africa (3)

Geographic aspects of past and present-day history. Aspects of race, religion, tribal organizations, and other important features related to geography. *Prerequisite:* Geo 101. *Fall.*

Geo 307 Geography of the U. S. S. R. (3)

European and Asiatic U.S.S.R. Positive and negative factors in the geography of Russia in relation to its strength and weaknesses as a world power. *Prerequisite:* Geo 101. *Spring and Summer.*

Geo 308 Trade and Transportation (3)

International trade and transportation systems for this trade. Economic trading blocs. *Prerequisite:* Geo 101. *One semester of alternate years.*

Geo 309 World Problems in Geography (3)

Major world problems in terms of their geographic settings. Problems of population growth, economically underdeveloped nations, control and development of natural resources, keeping the peace, etc. *Prerequisite:* Geo 101. *Fall and Summer.*

Geo 310 Geography Field Study Methods (3)

Introduction to the methods and materials of field research in geography. Field trips required. *Prerequisite:* Geo 101. *Summer.*

Geo 311 Teaching Geography in Secondary Schools (3)

Modern techniques of teaching geography, current curricula, and the tools of geography. Experience in teaching geography lessons and classroom observance are required. *Prerequisites:* Geo 101 and six additional geography credits. *Spring.*

Geo 313 Geography of Population (3)

Regional variations in the distribution of man. Numbers, past and present, to demographic characteristics of the population and migrations of populations. *Prerequisite:* Geo 101. *Spring.*

Geo 314 Geography of the United States and Pennsylvania (3)

A regional study of the United States; especially Pennsylvania. Physical factors such as climate, relief, vegetation, soils, and resources explain distribution of population, land use, trade, etc. *Prerequisite:* Geo 101. *Summer.*

Geo 400 Senior Seminar in Geography (3)

Research in geography. Methodology, bibliography, and presentation, both written and oral. The research paper for the seminar must be acceptable as a required departmental Senior Research Paper. Required of all geography majors. *Fall.*

Geo 410 Independent Studies in Geography (1 to 3)

Special research projects, reports, readings in geography. Open to seniors only. *Prerequisite:* permission of department chairman.

Geo 412 Geography of Australia and Associated Islands (3)

Native and introduced flora and fauna in and near Australia. The importance of agriculture and the growing industrialization of Australia. *Prerequisite:* Geo 101. *Offered as needed.*

Geo 414 Urban and Regional Planning (3)

The regional method of analysis of the problems of urban and regional planning. Systems, housing, recreation, industry, and commerce. *Prerequisite:* Geo 101. *Spring.*

Geo 415 Geography Area Field Study (3, 6, or 9)

Field courses for travel and study in the United States and foreign countries. Analysis of field study findings compiled into term reports. Costs vary with each course offering. Admission by approval of department chairman. *Summer.*

Geo 416 Seminar in Special Studies in Geography (2 to 3)

A specialized course in a phase of geography, taught by a specialist in the area of study. For seniors (and, in some cases, juniors). Admission by approval of department chairman. *Fall.*

GEOLOGY See Earth and Space Science

GREEK See Department of Foreign Languages

GERMAN See Department of Foreign Languages

SCHOOL OF HEALTH AND PHYSICAL EDUCATION

DR. SHEETS, *Dean*

DEPARTMENT OF PHYSICAL EDUCATION

MR. LORBACK, *Chairman, and Staff*

REQUIRED COURSES FOR NON-MAJOR STUDENTS

Required for All Curricula

PEd 101 Survey of Physical Education I (2 hrs. 1 cr.)
An overview of physical education. Activities, such as tennis, badminton, and volleyball, with carry-over value; athletic-type games; current methods of physical conditioning, training, and weight control. *Fall and Spring.*

Required for Secondary

Education and

Arts and Sciences Majors

PEd 102 Survey of Physical Education II (2 hrs. 1 cr.)
A survey of dance, including square, line, contra, mixers, round, folk, and social dances. Basic and advanced instruction in aquatic activities, with emphasis on water safety. *Fall and Spring.*

Required for Music Majors

PEd 107 Eurythmics (2 hrs. 1 cr.)
Survey of dance with experience in fundamental locomotor and axial movement. Specific dance forms such as square, round, contra, folk, and social dancing. *Fall and Spring.*

Required for Elementary Education Majors

PEd 201 Practice and Theory in Elementary
Physical Education (2 hrs. 1 cr.)

The basic organization of the physical education program in elementary schools. Principles in teaching games and other recreational activities. Planning and directing the physical education period in the elementary school program. *Fall and Spring.*

PEd 202 Dance Activities in the Elementary Program (2 hrs. 1 cr.)

Fundamental rhythms, creative rhythms, singing games, and folk dances on the elementary level. Students acquire skills in these areas and are given leadership experience in class situations. *Fall and Spring.*

ELECTIVE COURSES OPEN TO ALL CURRICULA

PEd 107 Eurythmics (2 hrs. 1 cr.)

See description above.

PEd 201 Practice and Theory in Elementary Physical Education (2 hrs. 1 cr.)

See description above.

PEd 202 Dance Activities in the Elementary Program (2 hrs. 1 cr.)

See description above.

PEd 312 Special Events in Physical Education (2 hrs. 1 cr.)

Planning and executing special events such as May Days, festivals, sports days, assembly programs, and field days. *Fall.*

PEd 331 Aquatic Leadership (3 hrs. 2 cr.)

Leadership procedures in aquatic activities for schools and school camps. Swimming strokes and life saving techniques are analyzed. The student has an opportunity to qualify as a waterfront safety instructor. *Fall and Spring.*

PEd 341 Modern Dance I (2 hrs. 1 cr.)

Techniques and fundamentals of modern dance on a beginner level. Methods and materials to prepare teachers for a public school program. *Fall.*

PEd 342 Modern Dance II (2 hrs. 2 cr.)

Intermediate and advanced technique, choreography, and rhythmic training. Experience in organizing and participating in dance concerts. *Fall and Spring.*

PEd 343 Principles of Choreography (2 hrs. 2 cr.)

The art of dance composition. Basic elements of space, rhythm, and motion dynamics. Students design original movement, progressing from simple to complex solo and group forms. *Fall.*

- PEd 344 Dance in Theater Arts** (2 hrs. 2 cr.)
Dance as a performing art. Past and contemporary theatrical dance forms; accompaniment, costume, sets, and lighting. Students stage complete theatrical productions. *Fall.*
- PEd 345 Advanced Folk Dancing** (2 hrs. 2 cr.)
Continues beyond elementary folk dances. Opportunities for staging the folk dance. *Spring.*
- PEd 355 Kinesiology** (2 hrs. 2 cr.)
Fundamentals of human movement; application to physical education skills. *Fall and Spring.*
- PEd 367 Arts and Crafts in Recreation** (3 hrs. 3 cr.)
Theoretical and practical applications of arts and crafts as recreative outlets for all age groups. Arts and crafts materials customarily found in school, camp, and community recreation programs are used. *Fall and Spring.*
- PEd 370 Camping and Outing** (3 hrs. 3 cr.)
Theory and practice in camping and outing programs, approached from viewpoints of the camper, the counselor, the supervisor, the specialist, and the director. *Fall.*
- PEd 375 Officiating Women's Sports** (3 hrs. 2 cr.)
Ethics and techniques of officiating at secondary school and college games. An official's rating in at least one sport may be acquired. *Fall.*
- PEd 377 Theories and Practices of Training
and Conditioning** (2 hrs. 2 cr.)
Theory of sports medicine; administration of an athletic training program including medical coverage, facilities, equipment, and diet; prevention and care of common injuries. *Prerequisite:* HEd 252. *Spring.*
- PEd 378 Facilities and Equipment in Health and
Physical Education** (2 hrs. 2 cr.)
Principles and procedures of planning. Practical and functional design of indoor and outdoor areas and facilities. Attention is given to the Department of Public Instruction's regulations governing planning for public school facilities. *Fall.*
- PEd 390 Physical Disabilities of Childhood** (3 hrs. 2 cr.)
A course designed for students in special education. Common orthopedic and neurological disabilities of childhood, especially chronic deviations. Emphasis is on understanding the medical aspects and problems of rehabilitation. *Fall and Summer.*
- PEd 391 Psychology of the Physically Handicapped** (3 hrs. 3 cr.)
A course designed for students in special education. Psychology applied to physical disability; personal and cultural implications of handicaps; the psychodynamics of disability. *Spring.*

PEd 392 Introduction to Physical Therapy (2 hrs. 2 cr.)

An introductory course for men and women planning to enter a graduate school of physical therapy. Emphasis is on basic biological and physical science pertinent to physical therapy. *Prerequisites:* Bio 261, Bio 262. *Fall.*

PEd 462 Principles of Recreation (2 hrs. 2 cr.)

Historical background of the play movement; theoretical explanations of play; the need for it in modern life and its place in education and recreation. Methods of recreation leadership. *Fall and Spring.*

PEd 464 Supervised Camping Leadership (3 cr.)

A program in camp leadership at children's summer camps. This field experience is designed to aid the student's professional growth through work with children in the informal atmosphere of camp. *Prerequisite:* consent of instructor. *Summer.*

PEd 465 Elementary Physical Education Curriculum (3 hrs. 3 cr.)

Constructing and evaluating the curriculum in elementary physical education. Progression and continuity, along with developmental needs and interests of children, are considered. *Fall.*

PEd 466 Self-Testing Activities in Elementary School Physical Education (2 hrs. 2 cr.)

A course for elementary education majors. Supplements PEd 201 and PEd 202. Stunts, tumbling, apparatus, mimetics, and sports skills. Testing procedures for determining physical fitness and motor skills. *Spring.*

PEd 481 Introduction to Safety Education (3 hrs. 3 cr.)

A survey course in safety education. Emphasis is on safety problems in school, industry, community, and traffic. Legal responsibilities of the teacher for maintaining a safe environment are considered. *Fall and Summer.*

PEd 482 Driver Education and Training (3 hrs. 3 cr.)

Designed for prospective teachers of driver education in the secondary school. Techniques of teaching in the automobile; assessment of the beginning driver's ability to operate a motor vehicle safely; driving skill tests; traffic laws of the Commonwealth. *Summer.*

PEd 483 Psychology of Accident Prevention (3 hrs. 3 cr.)

The psychological causes of accidents are examined. Emphasis is on ways to increase a person's ability to live safely. *Spring and Summer.*

PEd 484 Methods and Materials of Safety Education (3 hrs. 3 cr.)

A study of the total safety program, with emphasis on the teaching of safety. Each student performs a practice lesson for evaluation. *Summer.*

PEd 485 Organization and Supervision in Safety Education (3 hrs. 3 cr.)

History, philosophy, and principles of organization and administration of safety education in public schools. Legal aspects of administration. *Prerequisite:* PEd 481. *Summer.*

REQUIRED COURSES FOR HEALTH AND
PHYSICAL EDUCATION MAJORS

SKILLS AND ACTIVITIES COURSES

WOMEN

PEd 111 Soccer, Speedball, and Basketball (3 hrs. 1 cr.)
Foundations course stressing skills in basketball; individual skills, team tactics,
and officiating techniques in soccer and speedball. *Fall and Spring.*

PEd 112 Gymnastic and Fundamental Exercises (3 hrs. 1 cr.)
Apparatus skills for beginners, with stunts, tumbling, and pyramids for different
age levels. *Fall and Spring.*

PEd 121 Lacrosse and Track and Field (3 hrs. 1 cr.)
Foundations course stressing skills in lacrosse and track and field. *Fall and Spring.*

PEd 122 Hockey and Volleyball (3 hrs. 1 cr.)
Foundations course stressing skills in field hockey; individual skills, team tactics,
and officiating techniques in volleyball. *Fall and Spring.*

PEd 131 Aquatic Fundamentals (3 hrs. 1 cr.)
Basic principles of swimming for all ages and ability levels. The organization and
administration of competitive swimming for women is studied. *Fall and Spring.*

PEd 132 Life Saving and Water Safety (3 hrs. 1 cr.)
Continued emphasis on basic principles, and advanced skills in swimming. Life
saving practices, safety and survival techniques. Synchronized swimming, stunts,
formations, and routines. The course may lead to certification by the American
Red Cross. *Fall and Spring.*

PEd 212 Advanced Gymnastics (3 hrs. 1 cr.)
Advanced apparatus, tumbling, pyramids, rhythmical exercises. *Fall and Spring.*

PEd 221 Advanced Hockey, Lacrosse, Track and Field (3 hrs. 1 cr.)
Advanced fundamentals and team tactics in hockey, lacrosse, and track and field.
Fall and Spring.

PEd 222 Basketball and Tennis (3 hrs. 1 cr.)
Advanced fundamentals and team tactics in basketball; fundamental skills in
tennis. *Fall and Spring.*

PEd 322 Organization and Administration of
Intramurals and Interscholastic Athletics (2 hrs. 1 cr.)
Principles of organization, administration, and supervision of intramural and
secondary school athletic programs. *Fall and Spring.*

PEd 323 Tennis, Softball; Basic Officiating of
Hockey and Basketball (3 hrs. 1 cr.)

Advanced strategy, individual skills, and officiating techniques in tennis. Techniques and team tactics in softball. Basic officiating techniques and practical experience in hockey and basketball. *Fall and Spring.*

PEd 324 Badminton, Golf, and Archery (3 hrs. 1 cr.)

Development of skills in archery, golf, and badminton. *Fall and Spring.*

PEd 341 Modern Dance I (2 hrs. 1 cr.)

Techniques and fundamentals of modern dance on a beginner level. Methods and materials to prepare teachers for a public school program. *Fall.*

MEN

PEd 111 Introduction to Formal Gymnasium Activities (3 hrs. 1 cr.)

An introductory course in marching, gymnastic exercises, games, weight and circuit training, rope climbing, Indian clubs, wands, etc. *Fall and Spring.*

PEd 112 Introduction to Tumbling and Vaulting (3 hrs. 1 cr.)

An introduction to tumbling and vaulting, including trampoline and springboard. *Fall and Spring.*

PEd 121 Individual Sports for Men (3 hrs. 1 cr.)

Individual sports and recreational activities, including tennis, golf, volleyball, softball, tetherball, table tennis, handball, winter sports. *Fall and Spring.*

PEd 122 Soccer and Wrestling (3 hrs. 1 cr.)

Teaching soccer and wrestling with emphasis on units of instruction for the elementary, junior high, and senior high levels. Lead-up games, related activities, fundamental skills and techniques, drills, and experience in cohesive team effort. *Fall and Spring.*

PEd 131 Aquatic Fundamentals (3 hrs. 1 cr.)

Analysis and practice of the basic swimming strokes; introduction to diving and competitive swimming; speed strokes, racing starts, turns, and relay races; floating and endurance swimming; games, stunts, and exhibitions; recreational aquatics and synchronized swimming formation. *Fall and Spring.*

PEd 132 Life Saving and Water Safety (3 hrs. 1 cr.)

Diagnosis and practice of life saving skills and techniques. Boating, canoeing, and other waterfront activities are studied. Successful completion of this course may enable the student to receive senior life saving certification from the American Red Cross. *Fall and Spring.*

PEd 212 Introduction to Heavy Apparatus (3 hrs. 1 cr.)
 Fundamentals of movement on apparatus including rings, parallel bars, horizontal bars, side horse, and floor exercises. *Fall and Spring.*

PEd 221 Football and Track and Field (3 hrs. 1 cr.)
 Teaching football and track and field, with emphasis on units of instruction for the elementary, junior high, and senior high levels. Lead-up games, related activities, fundamental skills and techniques, drills, and experience in cohesive team effort. *Fall and Spring.*

PEd 222 Basketball and Baseball (3 hrs. 1 cr.)
 Teaching basketball and baseball, with emphasis on units of instruction for the elementary, junior high, and senior high levels. Lead-up games, related activities, fundamental skills and techniques, drills, and experience in cohesive team effort. *Fall and Spring.*

**PEd 322 Organization and Administration of
 Intramurals and Interscholastic Athletics** (2 hrs. 1 cr.)
 Principles of organization, administration, and supervision of intramural and secondary school athletic programs. *Fall and Spring.*

**PEd 323 Advanced Basketball, Football, Soccer, Track and
 Field** (3 hrs. 1 cr.)
 See description of PEd 324. *Fall and Spring.*

**PEd 324 Advanced Baseball, Golf and Tennis, Gymnastics, and
 Wrestling** (3 hrs. 1 cr.)
 Both PEd 323 and PEd 324 concentrate intensively on theoretical and practical approaches to the teaching of selected activities for advanced levels of performance, such as interscholastic sports. In either course, students choose two of the four activities offered. The nine-week concentration on each selection includes study of physiological requirements specific to the activity, refined drills, analysis of positions, tactics, etc. Officiating and scouting procedures are included. *Fall and Spring.*

DANCE

MEN AND WOMEN

PEd 241 Elementary Rhythms and Folk Dancing (3 hrs. 1 cr.)
 Fundamental locomotor and axial movements; music and rhythm in relationship. Rhythmical activities for the elementary program, with suggested teaching methods. *Fall and Spring.*

PEd 242 Social and Square Dancing (3 hrs. 1 cr.)
 Rounds, squares, contras, mixers, and social dancing. *Fall and Spring.*

THEORY

- PEd 211 Preparation for Teaching
Elementary Physical Education (3 hrs. 1 cr.)
Methods for teaching games, story plays, self-testing activities, tumbling, and stunts on apparatus at the elementary level. *Fall and Spring.*
- PEd 261 History and Philosophy of Physical Education (2 hrs. 2 cr.)
A study of past and present concepts of physical education; philosophy and principles of modern physical education programs. *Fall and Spring.*
- PEd 311 Preparation for Teaching
Secondary Physical Education (3 hrs. 1 cr.)
Class practice in teaching games, athletics, sports, and gymnastic activities, and development of activity lesson plans suitable for grades 7-12. *Fall and Spring.*
- PEd 361 Tests, Measurements, and Statistics in
Health and Physical Education (3 hrs. 3 cr.)
Selecting, administering, scoring, and evaluating tests of physical fitness, general motor ability, motor educability, and skill and knowledge in sports. *Fall, Spring, Summer.*
- PEd 362 Physical Education for the Elementary Grades (7 hrs. 3 cr.)
Students are assigned to elementary schools in the service area for observation and teaching. The course includes a weekly seminar on theory and problems. *Fall and Spring.*
- PEd 364 Organization and Administration of Physical Education (3 hrs. 2 cr.)
Principles of program building in curricular and extracurricular physical education. *Prerequisite:* PEd 361. *Fall, Spring, Summer.*
- PEd 365 Physical Activities for Atypical Children I (2 hrs. 2 cr.)
An introductory course in Adapted Physical Education. Common childhood disabilities are studied, with emphasis on problems of a chronic nature. *Fall and Spring.*
- PEd 455 Applied Physiology (2 hrs. 2 cr.)
A functional course applying physiological principles of neuromuscular activity to the frame of reference of the physical educator. Through a clinical approach, the course acquaints the student with basic aspects of neuromuscular coordination and motor learning, strength development, endurance, and human motion. *Prerequisites:* Bio 261, Bio 262. *Fall and Spring.*
- PEd 461 Physical Activities for
Atypical Children II (2 hrs. 2 cr.)
Continued study of Adapted Physical Education, including screening and practical training in working with physically and mentally handicapped children. *Fall and Spring.*

- PEd 462 Principles of Recreation (2 hrs. 2 cr.)
 Historical background of the play movement; theoretical explanations of play; the need for it in modern life and its place in education and recreation. Methods of recreation leadership. *Fall and Spring.*
- PEd 463 Principles of Coaching (2 hrs. 2 cr.)
 Principles and methods of coaching sports in the school program. *Fall and Spring.*
- PEd 471 Student Teaching in the Secondary School, including Professional Practicum (12 cr.)
 Observation and participation in teaching situations in the junior and senior high schools under qualified cooperating teachers and college supervisors. A program of professional conferences and visitations is provided throughout this teaching semester. *Fall and Spring.*

DEPARTMENT OF HEALTH EDUCATION

MR. FUNK, *Chairman, and Staff*

REQUIRED COURSES FOR NON-MAJOR STUDENTS

Required for All Curricula

- HEd 150 Health (2 hrs. 2 cr.)
 Health needs of the college student are discussed. *Fall, Spring, Summer.*

Required for Elementary Education Majors

- HEd 350 Health for the Elementary Grades (3 hrs. 3 cr.)
 Principles and procedures for meeting the health needs of the child in the school, home, and community. *Fall, Spring, Summer.*

Elective Courses Open to All Curricula

- HEd 353 First Aid for Teachers (2 hrs. 2 cr.)
 Advanced first aid and techniques for teaching first aid. Successful completion of this course may qualify the student as a first-aid instructor. *Spring.*
- HEd 354 Seminar in Health Education (3 hrs. 3 cr.)
 A course for health and physical education seniors. Basic concepts in health education, with emphasis on readings, discussions, and projects. *Prerequisite:* completion of the student-teaching experience. *Spring.*

- HEd 451 Community and School Health
Education Workshop (3 hrs. 3 cr.)
A study of common problems in health education for the home, community, and school. *Summer.*

REQUIRED COURSES FOR HEALTH AND PHYSICAL EDUCATION MAJORS

- HEd 151 Personal Health (3 hrs. 3 cr.)
Principles and practices of personal health, with attention to desirable attitudes for healthful living. *Fall, Spring, Summer.*
- HEd 153 Community Health (2 hrs. 2 cr.)
Principles and problems of community health. Community health problems and health services on the local, state, national, and international levels are considered. *Fall and Spring.*
- HEd 252 First Aid and Care and Prevention
of Athletic Injuries (3 hrs. 2 cr.)
Administering first aid in the school situation; preventing injury during sports activities; care for the injured. *Fall and Spring.*
- HEd 253 The School Health Program (3 hrs. 2 cr.)
School health services, school environment, and health instruction. Ways of promoting school-community cooperation in health areas. *Fall and Spring.*
- HEd 351 Human Development (3 hrs. 3 cr.)
A study of growth from conception through adolescence. Methods of studying pupils, influences on growth, and characteristic development at various age levels. Implications for the health and physical education program are stressed. *Fall and Spring.*
- HEd 352 Methods and Materials in Health Education (3 hrs. 2 cr.)
A comprehensive study of school health instruction. Files of curriculum materials and instructional aids are completed in this course as a prerequisite to student teaching. *Fall and Spring.*

DEPARTMENT OF HISTORY

DR. CARLSON, *Chairman**Professors*EVERETT
FLECK
HARDING
HOUP
SCHALCKRILEY
SHAFFER
SHUR
SOLDON
SWAN
TURNERIVINS
O'GRADY
WEBSTER
WIEDEMER
YOUNG*Associate Professors*FOSTER
FOX
JOHNSON
MORGAN*Assistant Professors*AIZUPITIS
BRADSHAW
DRAYER*Instructor*
DOYLE*Lecturer*
FINK

GENERAL

SSc 300 Seminar in Contemporary European Culture (6)

A fully guided tour which offers a cross-section of Europe, past and present, through visits to museums, galleries, cathedrals, music festivals and operas. Seminars and lectures by European academicians. An annotated diary, plus a paper on some particular facet of the tour, is required. *Summer.*

SSc 331 Teaching Social Studies in Secondary Schools (3)

Designed to expose prospective secondary school teachers to methods and materials of teaching social studies. Emphasis is on the "New Social Studies" and on instructional materials drawn from the social sciences. Taken by social science education majors in their junior year. *Fall, Spring, Summer.*

SSc 332 Teaching Social Studies and Geography in Elementary Schools (3)

Methods of teaching social studies and geography in the elementary curriculum. Techniques, current research projects, reading materials, audio-visual aids, resource persons, and field trips as tools of learning. The organization, development, and use of resource units are stressed. *Fall, Spring, Summer.*

HISTORY

His 101 History of Civilization I (3)

The evolution of man's cultural elements and social institutions in the West and the East from earliest times through the Renaissance. Required in the freshman year of all history and social sciences majors. *Fall, Spring, Summer.*

His 102 History of Civilization II (3)

Developments in civilizations from 1500 to the present, with emphasis on Western Civilization and its interrelationships with the non-Western world. Required in the freshman year of all history and social sciences majors. *Fall, Spring, Summer.*

His 211 History of United States and Pennsylvania I (3)

A survey of the social, economic, political, and intellectual development of the United States and Pennsylvania from the beginning of the Colonial period to the end of the Civil War. Required of all history and social sciences majors. *Prerequisites:* His 101, His 102. *Fall, Spring, Summer.*

His 212 History of United States and Pennsylvania II (3)

A survey of the social, economic, political, and intellectual development of the United States and Pennsylvania from 1865 to the present, with emphasis on the new industrialism and on foreign affairs. Required of all history and social sciences majors. *Prerequisites:* His 101, His 102. *Fall, Spring, Summer.*

His 218 The Ancient World (3)

Classical Greece and Rome with consideration of economic, social, intellectual, and political history. Selected writings of the ancients are studied. *Prerequisite:* His 101. *Spring.*

His 219 Medieval Europe (3)

Western Europe from the fall of Rome to approximately 1300. Economic, social, political, and intellectual developments in the major kingdoms of the West; the history of the Universal Church. *Prerequisite:* His 101. *Spring.*

His 220 Renaissance and Reformation (3)

Political, economic, social, and cultural forces which emerged during 1300 to 1650 in Europe. The evolution of modern states and the rise of the middle class. *Prerequisite:* His 101 or His 102. *Fall.*

His 221 Modern Europe to 1815 (3)

Events in Europe following the Reformation. The Era of Spanish Predominance, the Scientific Revolution, the Thirty Years' War, the Age of Despotism, the rise of Russia and Prussia, and Eighteenth Century Thought. The French Revolution and Napoleonic Wars. *Prerequisite:* His 102. *Fall.*

His 222 Europe Since 1815 (3)

A survey of the European world in the nineteenth and twentieth centuries with focus upon movements such as industrialism, nationalism, democracy, and socialism which have been common to Europe as a whole. *Prerequisite:* His 102. *Spring.*

His 313 History of Pennsylvania (3)

The founding and development of Pennsylvania from its Colonial beginnings to the present time, with emphasis on the relation of the past to the present. *Prerequisites:* His 211, His 212. *Fall.*

His 314 Diplomatic History of the United States (3)

A survey of the theory and practice of American diplomacy from Colonial times to the present. The major segment covers 1900 to the present. *Prerequisites:* His. 211, His 212. *Spring.*

His 315 Economic History of the United States (3)

The economic development of the American nation as it evolved from a frontier, agricultural country into an urban, industrial power. *Prerequisites:* His 211, His 212. *Spring.*

His 316 History of the American Frontier (3)

The westward movement and expansion from Colonial times to the end of the nineteenth century. The frontier forces which shaped American democratic institutions and ideals. *Prerequisites:* His 211, His 212. *Fall.*

His 317 History of American Science and Technology (3)

The importance of science, invention, and technology in the rise of the American nation from 1607 to the present. The transition from domestic manufacture to the machine age. *Prerequisites:* His 211, His 212. *Fall.*

His 318 Constitutional History of the United States (3)

The development of the Constitution of the United States from the Philadelphia Convention to the present with emphasis on major Supreme Court decisions. *Prerequisites:* His 211, His 212. *Fall.*

His 319 Social and Cultural History of the United States (3)

The evolution of American society from the eighteenth through the twentieth centuries. Emphasis on the impact of improving material conditions upon labor, the arts, education, religion, social mores, and family life. The changing status of minority groups, including women, the Negro, and the immigrant. *Prerequisites:* His 211, His 212. *Fall.*

His 320 History of the South (3)

The social, economic, political, and intellectual forces that have made the American South a nation within a nation. *Prerequisites:* His 211, His 212. *Spring.*

His 321 History of England (3)

The interaction of political, social, intellectual, and economic factors in England from the Roman conquest to the present. The struggles between church and state, king and Parliament, and the aristocracy and the middle classes; the rise of liberalism, and the genesis of the democratic welfare state. *Prerequisites:* His 101, His 102. *Fall and Spring.*

His 322 History of South Asia (3)

Primarily designed as a historical study of developments on the Indian sub-continent (India and Pakistan), the course also considers those areas of Southeast

Asia (Burma and Thailand) which have been traditionally influenced by the course of Indian events. *Prerequisites:* His 101, His 102. *Spring.*

His 323 History of the Middle East (3)

Recent history of the major Middle Eastern countries. Geographical, cultural, economic, and religious factors which have influenced the history of the area. Special attention to Middle East problems which affect international relations. *Prerequisites:* His 101, His 102. *Fall.*

His 324 History of Latin America (3)

The development of the Latin American countries from their discovery to the present. The economic, social, political, and cultural areas receive attention first as national problems, then as they pertain to the larger political units involved. *Prerequisites:* His 211, His 212. *Fall, Spring, Summer.*

His 325 History of the Twentieth Century World (3)

A survey of the political, economic, social, and intellectual developments in the world since 1919. Special attention given to the period between the World Wars; the failure of appeasement; and the eclipse of imperialism. *Prerequisite:* His 102. *Fall.*

His 327 History of the British Empire-Commonwealth (3)

The motivations and methods of British expansion overseas. Constitutional developments by which the dependent colonial empire evolved into the self-governing Commonwealth. *Prerequisites:* His 101, His 102. *Fall.*

His 328 History of Modern Africa (3)

Survey of the historical background of sub-Saharan Africa and North Africa, with emphasis on European expansion in the continent and the influence of the expansion on twentieth century African political and social movements. *Prerequisite:* His 102. *Spring.*

His 329 History of East Asia (3)

Survey of the historical and cultural background of China, Japan, and Korea. Emphasis is given to the significance of the modern period of East Asia and its impact on world affairs. *Prerequisites:* His 101, His 102. *Spring.*

His 340 Modern Germany (3)

Germany in the nineteenth and twentieth centuries: Napoleonic era, rise of Prussia, nationalism and unification, imperialism and World War I, National Socialism, World War II, and Divided Germany. *Prerequisite:* His 102 or His 222. *Spring.*

His 350 Russian History to 1917 (3)

Survey of Russian history from ninth-century Kiev to the end of the Imperial period. Major emphasis is on the continuing religious, economic, social, and political traditions peculiar to the Russian State. *Prerequisite:* His 102 or His 221. *Fall.*

His 351 Soviet Russia (3)

Political, economic, social, and cultural aspects of Soviet society in the light of traditional Russian patterns and the goals of Communism. *Prerequisite:* His 102 or His 222. *Spring.*

His 400 Senior Seminar in History (3)

Research in history. Methodology, bibliography, and presentation, both written and oral. The research paper for the seminar must be acceptable as a required departmental Senior Research Paper. Required of all history majors. *Fall and Spring.*

His 410 Independent Studies in History (1 to 3)

Special research projects, reports, readings in history. Open to seniors only. *Prerequisite:* permission of department chairman.

ITALIAN See Department of Foreign Languages

LATIN See Department of Foreign Languages

DEPARTMENT OF MATHEMATICS

DR. FILANO, *Chairman*

Associate Professors

BELL
BRANTON
COHOES
MANDELBAUM
MILLIMAN
MONTEMURO
MOSER

SEYBOLD
VERNO
WEISS

Assistant Professors

AHLBORN
FASNACHT

FAULKNER
STANLEY
WIENER

Lecturer
CHILDS

Mat 101 Introduction to College Mathematics I (3)

Fundamental mathematical ideas and methods of mathematical thinking. Includes reasoning in mathematics, sets, logic, number systems, and the structure of mathematical systems. *Fall, Spring, Summer.*

Mat 102 Introduction to College Mathematics II (3)

A continuation of Mat 101. Topics selected from functions, probability, equations, limits, geometry, and trigonometry. *Prerequisite:* Mat 101. *Fall and Spring.*

Mat 105 College Algebra and Trigonometry (3)

A unified course in algebra and trigonometry. Absolute value, inequalities, functions, equations, and identities. *Prerequisite:* 3 years of high school mathematics. *Fall, Spring, Summer.*

Mat 106 Foundations of Mathematics (3)

Fundamental concepts. Set theory, structure of number systems, mathematical induction, permutations, combinations, probability, and theory of equations. *Spring and Summer.*

Mat 121 Statistics (3)

Basic concepts of statistics. Frequency distributions, measures of central tendency and variability, correlation, probability and theoretical distributions, significance of differences, and hypothesis testing. For non-mathematics majors. *Prerequisite:* 2 years of high school mathematics. *Fall and Spring.*

Mat 141 Analytic Geometry and Calculus I (3)

An introduction to analytic geometry and calculus. Limits, continuity, derivatives of algebraic functions, application of derivatives, an introduction to integration, and elements of analytic geometry. *Prerequisite:* Mat 105 or 4 years of high-school mathematics. *Fall, Spring, Summer.*

Mat 142 Analytic Geometry and Calculus II (3)

A continuation of Mat 141. Applications of differentiation, the definite integral, and plane analytic geometry. *Prerequisite:* Mat 141. *Fall, Spring, Summer.*

Mat 211 Linear Algebra (3)

An introduction to linear algebra. Matrices and determinants, systems of linear equations, vectors, and linear transformations. *Prerequisite or concurrent:* Mat 142. *Spring.*

Mat 231 Modern Geometry I (3)

Extension of geometric concepts. Included are properties of and relations between collinear points, concurrent lines, the circle, elementary transformations, and Euclidean constructions. *Fall.*

Mat 232 Modern Geometry II (3)

A continuation of Mat 231 emphasizing the foundations of geometry; axiomatics, finite, projective, and hyperbolic geometries. *Prerequisite:* Mat 231. *Spring.*

Mat 241 Analytic Geometry and Calculus III (3)

A continuation of Mat 142. Transcendental functions, polar coordinates, parametric equations, solid analytic geometry and vectors, and methods and applications of integration. *Prerequisite:* Mat 142. *Fall, Spring, Summer.*

Mat 242 Analytic Geometry and Calculus IV (3)

A continuation of Mat 241. Partial derivatives, multiple integrals, infinite series, expansion of functions, and additional topics in analytic geometry. *Prerequisite:* Mat 241. *Fall and Spring.*

Mat 311 Algebra for Elementary Teachers (3)

Among topics studied are properties of real numbers, equations and inequalities, systems of equations, modular arithmetic, complex numbers, and algebraic structures. *Spring.*

Mat 331 Geometry for Elementary Teachers (3)

Modern informal approach to two- and three-dimensional geometric figures, measurement, similarity, congruence, coordinate geometry, and the postulational method. *Fall.*

Mat 343 Differential Equations (3)

The theory, solution, and application of ordinary differential equations. First order equations and linear n th order equations. Applications are taken from physics, chemistry, economics, and operations research. *Prerequisite or concurrent: Mat 242. Fall and Spring.*

Mat 350 Teaching of Mathematics in Secondary Schools (3)

Modern techniques; aims of mathematics instruction, motivation, methods of instruction, and evaluation in mathematics. The new mathematics and modern courses of study. Opportunities are provided for students to plan and present lessons in mathematics and to observe mathematics classes in secondary schools. *Prerequisite: Mat 241. Fall and Spring.*

Mat 351 Teaching of Mathematics in Elementary Schools (3)

Concepts, learning aids, syllabi, texts, and methods in elementary school mathematics. *Prerequisite: Mat 101. Fall, Spring, Summer.*

Mat 401 History of Mathematics (3)

Development of mathematics from the Babylonian era to the eighteenth century. Some modern topics are also included. *Prerequisite: Mat. 241. Fall.*

Mat 405 Special Topics in Mathematics (3)

Content variable; announced at the time of offering.

Mat 411 Modern Algebra I (3)

Abstract algebra. The axiomatic approach to algebraic systems; relations, mappings, groups, rings, integral domains, and fields. *Prerequisite: Mat 241. Fall and Summer.*

Mat 412 Modern Algebra II (3)

A continuation of Mat 411. Cosets, normal subgroups, subrings, and polynomials. *Prerequisite: Mat 411. Spring.*

Mat 414 Theory of Numbers (3)

Properties of the integers; primes, factorization, congruences, and quadratic reciprocity. *Prerequisite: Mat 242. Fall of odd years.*

Mat 421 Mathematical Statistics I (3)

Primarily a course in probability theory. Representative topics are discrete and continuous random variables, probability distributions, moment generating functions, and an introduction to statistical sampling theory. *Prerequisite: Mat 242. Fall and Spring.*

Mat 422 Mathematical Statistics II (3)

A continuation of Mat 421. Statistical sampling theory, point and interval estimation,

tests of hypotheses, regression, and correlation. *Prerequisite:* Mat 421. *Spring of odd years.*

Mat 425 Numerical Analysis (3)

Numerical methods for the approximate solution of applied problems. Interpolation theory, curve fitting, approximate integration, and the numerical solution of differential equations. *Fall of even years.*

Mat 432 Topology (3)

Elements of point set topology. Separation axioms, connectedness, compactness, and metrizability. *Prerequisite:* Mat 242. *Spring of odd years.*

Mat 441 Advanced Calculus I (3)

Foundations of real analysis. Rigorous treatment of limits, sequences, continuity, the theory of integration, and infinite series. *Prerequisite:* Mat 242. *Fall and Spring.*

Mat 442 Advanced Calculus II (3)

A continuation of Mat 441. Infinite series of functions, functions of several variables, partial differentiation, implicit function theorems, transformations, multiple integration, and other topics. *Prerequisite:* Mat 441. *Spring.*

Mat 445 Complex Variables (3)

Introduction to functions of a complex variable. Analytic functions, mappings, differentiation and integration, power series, and conformal mappings. *Prerequisite:* Mat 242. *Spring of even years.*

Mat 490 Seminar in Mathematics (3)

Topics in mathematics selected for their significance and student-instructor interest. Independent study and student reports, oral and written. *Prerequisites:* senior standing and consent of the department chairman. *Spring.*

COMPUTER SCIENCE

CSc 101 Computer Programming (3)

Introduction to the use of computers. Machine, symbolic, and compiler languages with an emphasis on the Fortran language. Actual work with the computer to develop sufficient proficiency for the student to use it as a tool. *Fall, Spring, Summer.*

CSc 201 Computer Organization and Programming (3)

Computer input-output hardware, mass storage units, and internal components. A concentrated study of machine and symbolic language is included. *Prerequisite:* CSc 101. *Spring.*

CSc 202 Algorithmic Languages and Compilers (3)

Formal description of algorithmic languages and techniques used in their compilation. Syntax, semantics, ambiguities, procedures, replication, iteration, and recursion in these languages. *Prerequisite:* CSc 201. *Fall.*

SCHOOL OF MUSIC

DR. MITCHELL, *Dean*

DR. ANTONOWICH, *Assistant Dean*

MR. SPRENKLE, *Associate Dean for Graduate Studies and Research*

DEPARTMENT OF THEORY AND COMPOSITION

WRIGHT, *Chairman*; CONAWAY, S., MIDDLETON, SMITH, SULLIVAN, WILKINSON, and Staff.

Mus 111 Foundations of Music (3)

The fundamentals of music theory. An integrated course developing basic skills in ear training, sight singing, keyboard harmony, and the analysis of form in music. I, IV, V, VII triads in root position and inversions. *Fall, Spring, Summer.*

Mus 112 Theory of Music I (3)

Continuation of Mus 111 less sight singing. Harmonization of melodies, using diatonic triads. Binary and ternary forms and other groupings of part forms. Melody writing. *Prerequisite:* Mus 111. *Fall, Spring, Summer.*

Mus 211 Theory of Music II (3)

Continued development of basic skills. Non-harmonic tones, diatonic seventh chords, modulation to closely related keys. Sonata form, the rondo and invention. *Prerequisite:* Mus 112. *Fall, Spring, Summer.*

Mus 212 Theory of Music III (3)

Further diatonic seventh chords, altered chords. Creative use of the materials of music. Variation form and fugue. *Prerequisite:* Mus 211. *Fall, Spring, Summer.*

Mus 311 Theory of Music IV (3)

Augmented triads, Neapolitan sixth chord, augmented sixth chords, chords of the ninth, eleventh, and thirteenth. Foreign modulation. Concerto forms and unique forms. *Prerequisite:* Mus 212. *Fall, Spring, Summer.*

Mus 113 Sight Singing I (3)

A continuation of music reading skills developed in Music 111. *Prerequisite:* Mus 111. *Fall, Spring, Summer.*

Mus 213 Sight Singing II (2)

Material of advanced difficulty involving chromatic alterations, remote modulations, and intricate rhythms. *Prerequisite:* Mus 211. *Fall, Spring, Summer.*

Mus 312 Counterpoint I (2)

The contrapuntal techniques of tonal music. Chorale prelude and invention. *Prerequisite:* Mus 212. *Fall and Spring.*

Mus 313 Counterpoint II (2)

Advanced contrapuntal forms including canon and fugue. *Prerequisite:* Music 312. *Fall and Spring.*

Mus 314 Musical Form (2)

The standard forms of tonal music based on the treatises of Goetschius and Salzer. *Prerequisite:* Mus 212. *Fall and Spring.*

Mus 315 Orchestration (2)

The orchestra, the use of instruments individually and in combination. *Prerequisite:* Mus 212. *Fall of odd years. Spring of odd years.*

Mus 318 Techniques of Twentieth Century Composition (2)

A study of the technical aspects of contemporary music. Writing "in the style of," etc. *Prerequisite:* Mus 212. *Fall and Spring.*

Mus 412 Composition I (2)

Creative writing in the forms, styles, and media best suited to the capabilities and needs of the student. *Prerequisite:* Mus 212. *Fall and Spring.*

Mus 413 Composition II (2)

Further application of Mus 412, stressing contemporary techniques. *Prerequisite:* Mus 412. *Fall and Spring.*

Mus 414 Musical Acoustics (3)

The study of sound: its production, transmission, and reception. Musical instruments, the acoustics of rooms, and the physical basis of scales. *Fall, Spring, Summer.*

DEPARTMENT OF MUSIC HISTORY AND LITERATURE

JOHNS, *Chairman*; PARRIS, SCHICK, VANDEVER, WHITTEN, WILLIAMS, and Staff.

Mus 121 Fine Arts (3)

A one-semester introductory course in the history and appreciation of music from the Classical through Contemporary Period. Fundamentals of music, forms, aesthetic concepts, and practices. Analysis and listening experience. *Fall, Spring, Summer.*

Mus 221 Music in Western Civilization I (3)

A history of music from earliest known times through the Baroque Period — to 1750. Analysis of styles, forms, aesthetic concepts, and practices. *Fall, Spring, Summer.*

Mus 321 Music in Western Civilization II (3)

A history of music from the Classical through Contemporary Period. Analysis of styles, forms, aesthetic concepts, and practices. *Fall, Spring, Summer.*

Mus 322 American Music (2)

A cursory examination of music from the Puritan Era to 1880. Analysis of art music from MacDowell to the contemporary scene. Aimed toward developing keener aural perception of the creative process, both for the musician and the layman. *Fall.*

Mus 323 Aesthetics and Music Criticism (2)

The nature of aesthetic experience and various problems in the philosophy of art. Principles of criticism related to music and its performance. *Spring.*

Mus 421 Literature of the Musical Theater (2)

The literature of the musical theater from Singspiel to Broadway Musical. Changes in style are observed and analyzed. *Fall and Spring.*

Mus 422 Musico-Dramatic Production (2)

A study of the arts and crafts required in a musical production: coaching, set designing and construction, stage movement, choreography, and costuming. *Fall and Spring.*

Mus 224 Keyboard Literature I (2)

A survey of literature for keyboard instruments from the Baroque Period through the late Classical Period. The various styles in solo and ensemble literature are illustrated by recordings and performance by keyboard majors. *Fall.*

Mus 225 Keyboard Literature II (2)

A continuation of Mus 225. Performance by keyboard majors and recordings. Literature from the Romantic through the Contemporary Period is studied. *Spring.*

Mus 226 Art Song I (2)

A consideration of the origins of the art song, the Italian art song, and the German lied. *Fall.*

Mus 227 Art Song II (2)

Art songs of America, France, England, Scandinavia, and Russia are studied. *Spring.*

Mus 324 String Literature I (2)

A survey of literature for string instruments from the pre-Baroque through the Classical Period. Study of style, form, and analysis; performance. Students, performing on their major instruments, and pertinent recordings provide illustrative literature. *Fall.*

Mus 325 String Literature II (2)

A continuation of Mus 324, pursuing the same format and considering literature of the Romantic and Contemporary Periods. *Spring.*

Mus 326 Woodwind Literature I (2)

A survey of literature for flute, oboe, clarinet, and bassoon from the Baroque and Classical Periods. Recordings and performance by woodwind majors. *Fall.*

Mus 327 Woodwind Literature II (2)

A continuation of Mus 326. The Romantic and Contemporary Periods are studied. *Spring.*

Mus 328 Brass Literature I (2)

The nature and development of brass instruments, observed in the solo, ensemble, and orchestral literature of the sixteenth, seventeenth, and eighteenth centuries. *Fall and Spring.*

Mus 329 Brass Literature II (2)

A continuation of Mus 328, beginning with the introduction of pistons and valves in the nineteenth century and proceeding through the twentieth century to the present. *Fall and Spring.*

Mus 423 Chamber Music Literature (2)

Analysis of style and form of chamber music repertoire from the Baroque through Modern Period. Emphasis on appreciation as well as structure. *Fall and Spring.*

Mus 424 Development of the Opera (2)

A basic course in the origin and development of the opera and its dissemination throughout the Western World. *Fall and Spring.*

Mus 425 Literature of Orchestral Music (2)

A study of representative orchestral works: symphonies, concerti, suites, overtures, and others, from the Baroque Period to the present. Appreciation and analysis. *Fall and Spring.*

Mus 426 Choral Repertoire I (2)

The development and performance style of the choral repertoire of the sixteenth, seventeenth, and eighteenth centuries. *Fall.*

Mus 427 Choral Repertoire II (2)

The development and performance style of the choral repertoire of the nineteenth and twentieth centuries. *Spring.*

DEPARTMENT OF MUSIC EDUCATION

ANTONOWICH, *Chairman*; BEATTY, BROWN FRENZ, PFLIEGER, VAUGHAN, and Staff.

Mus 030 Fundamentals of Music (no credit)

For elementary education students who do not meet minimum requirements on a Music Fundamentals test. For these students the course is a prerequisite for Mus 231 and Mus 232. Intervals, scales, key signatures, and other fundamentals of musical notation are stressed. *Fall and Spring.*

Mus 231 Music for the Primary Grades (3)

Designed to equip the graduate to participate, under supervision, in the music program in the primary grades. Emphasis on basic keyboard skills, voice production, elements of music, and teaching procedures and materials. *Fall and Spring.*

Mus 232 Music for the Intermediate Grades (3)

Designed to equip graduates to participate, under supervision, in the music program in the intermediate grades. Emphasis on basic keyboard skills, voice production, elements of music, and teaching procedures and materials. *Fall and Spring.*

Mus 331 Elementary Music Methods (3)

Human growth and musical development of children in the elementary grades. Emphasis upon the selection and analysis of materials, effective teaching procedures, and evaluative techniques. *Fall and Spring.*

Mus 332 Secondary Music Methods (2)

The choral and general music program in the secondary school. Emphasis upon conceptual learning, the planning of structured learning experiences, and the selection of effective materials. *Fall and Spring.*

Mus 333 Instrumental Methods (2)

Fundamentals underlying the development of instrumental programs in the public schools. Emphasis upon program organization and administration, teaching procedures, and materials. *Fall and Spring.*

Note: *Mus 331, Mus 332, and Mus 333 are scheduled concurrently, normally in the junior year, in order to permit regular and ample opportunity for observation in area public schools.*

Mus 334 Teaching Music Appreciation in the Elementary Grades (3)

Designed to enrich the music program throughout the grades, with emphasis on listening experiences. Effective materials and procedures as well as unit organization. *Spring and Summer.*

Mus 335 Choral Materials and Practices (2)

Designed to acquaint the student with the vast amount of choral music suitable for school use. Program building and rehearsal techniques are demonstrated. *Spring.*

Mus 336 Piano Methods [Class] (2)

For piano teachers and supervisors in the organization and teaching of piano classes in the public schools. Suitable teaching materials are examined and discussed. Demonstrations and student teaching. *Spring.*

Mus 337 Instrumental Techniques and Materials (2)

For juniors and seniors who desire to specialize in instrumental music. Considers rehearsal procedures, effective materials, minor repairs of instruments, competitions and festivals, and marching band procedures. *Prerequisite:* Mus 333. *Fall and Spring.*

Mus 431 Student Teaching, Practicum, and Direction of Student Activities (12)

Observation and participation in teaching vocal and instrumental music in situations ranging from the primary grades through senior high school. Undertaken in conjunction with qualified cooperating teachers. Professional conferences and visitations are an integral part of the experience. *Fall and Spring.*

DEPARTMENT OF KEYBOARD MUSIC

CARL, *Chairman*; BEDFORD, HALES, HAYS, GANGEMI, GOTTLIEB, PENNINGTON, VELETA, R., WEISS, and Staff.

Pia 101-302 Piano (1)

Private study in piano for non-majors. Keyboard harmony included. *Fall, Spring, Summer.*

Pia 111-412 Piano: Advanced (1)

Private study for piano majors. Keyboard harmony included. *Fall, Spring, Summer.*

Pia 121-422 Piano: Advanced Standing (1 or 2)

Private study for piano majors who have attained advanced standing by examination. *Fall, Spring, Summer.*

Pia 400 Piano Class [Elementary Teachers] (3)

Piano accompaniments for classroom music activities, and teaching of practical classroom materials. *Summer.*

Org 100 Organ Class ($\frac{1}{2}$)

Designed to familiarize students with some of the problems of service playing. Available to piano majors or by permission of instructor. *Spring.*

Org 111-412 Organ: Advanced (1)

Techniques for playing the pipe organ. Organ literature is explored. *Prerequisite:* sufficient piano background to gain approval by the faculty. *Fall, Spring, Summer.*

Org 121-421 Organ: Advanced Standing (1 or 2)

For students who have attained advanced standing by examination. *Fall, Spring, Summer.*

Mas 311-314 Master Class (Keyboard) (1)

For keyboard majors. Experience in performing memorized literature. Class members also play two-piano compositions and ensemble music for piano and other instruments. Keyboard trios, quartets, and quintets are analyzed and performed. *Fall, Spring, Summer.*

DEPARTMENT OF VOCAL AND CHORAL MUSIC

SWEET, *Chairman*; ALT, ANDERSON, CHEESMAN, CONAWAY, W., KELLY, KRUEGER, MARKOW, SHEPPARD, WAGNER, and Staff.

Voi 101-302 Voice (1)

Private study in voice for non-majors. *Fall, Spring, Summer.*

Voi 111-412 Voice: Advanced (1)

Private study for voice majors, including study and application of the physiological and psychological principles of voice production. *Fall, Spring, Summer.*

Voi 121-422 Voice: Advanced Standing (1 or 2)

Private study for voice majors who have attained advanced standing by examination. Performance is a requirement on this level. *Fall, Spring, Summer.*

MxC 111-212 Mixed Chorus ($\frac{1}{2}$)

Designed to acquaint the student with choral literature for Mixed Chorus, Women's Chorus, and Men's Chorus. Program performance included. *Fall and Spring.*

Cho 311-412 Choir ($\frac{1}{2}$)

Designed to give the student a wide association with the choral literature for mixed chorus. Music of high-school level as well as more difficult literature. *Fall, Spring, Summer.*

CCh 121-422 Concert Choir ($\frac{1}{2}$)

Devoted to acquiring a fine technique in choral singing through the preparation of programs for performance. Membership by audition. *Fall and Spring.*

WGC 111-412 Women's Glee Club ($\frac{1}{2}$)

An opportunity for non-music students to learn the choral literature for Women's Chorus. Membership by audition. *Fall and Spring.*

CCo 211 Choral Conducting (2)

A practical application of conducting and vocal techniques in choral direction through practice in conducting a choral group. *Fall and Spring.*

CCo 212 Advanced Choral Conducting (2)

Continued development of conducting techniques with stress on conducting of polyphonic choral music and on the musical styles of the various choral periods.

Prerequisite: CCo 211. *Fall.*

Mas 321-324 Master Class [Voice] (1)

Standard repertoire for various types of voices is performed and discussed. *Fall, Spring, Summer.*

DEPARTMENT OF INSTRUMENTAL MUSIC

CARSON, *Chairman*; BARROW, BOERLIN, BREUNINGER, GUIDETTI, KLEIN, SOUTHALL, VELETA, M., and Staff.

Vln 101-102 Violin (1)

Class instruction in the fundamentals of playing the violin. Bowing, left-hand technique, and introduction of positions. *Fall and Spring.*

Vla 101, Vcl 101, Bas 101 Viola, Cello, Bass ($\frac{1}{2}$)

Class instruction in the fundamentals of playing the viola, cello, or string bass. *Fall and Spring.*

Vln 121-422, Vla 121-422

Vcl 111-412, Bas 111-412 Strings: Advanced (1)

Private instruction for majors in violin, viola, cello, or string bass. Scales, arpeggios, etudes, and solos, representing various musical styles. *Fall, Spring, Summer.*

Vln 121-422, Vla 121-422,

Vcl 121-422, Bas 121-422 Strings: Advanced Standing (1 or 2)

Private study for majors in the performance of sonatas, concerti, and solos for those who have attained advanced standing by examination. *Fall, Spring, Summer.*

Clf 101-102 Clarinet ($\frac{1}{2}$)

Class instruction in the fundamentals of playing the clarinet. Tone production, embouchure, fingering, and technique. *Fall and Spring.*

Flu 101, Obo 101, EnH 101, Bsn 101 Flute, Oboe, English Horn,
Bassoon ($\frac{1}{2}$)

Class instruction in the fundamentals of playing the flute, oboe, English horn, or bassoon. *Fall and Spring.*

Flu 111-412, Obo 111-412

EnH 101-412, Clt 111-412, Bsn 111-412 Woodwinds: Advanced (1)

Private instruction for majors in flute, oboe, English horn, clarinet, or bassoon. *Fall and Spring.*

Flu 121-422, Obo 121-422

EnH 121-422, Clt 121-422, Bsn 121-422 Woodwinds: Advanced Standing
(1 or 2)

Private instruction for majors in the performance of sonatas, concerti, and solos for those who have attained advanced standing by examination. *Fall, Spring Summer.*

Tpt 101-102 Trumpet ($\frac{1}{2}$)

Class instruction in the fundamentals of playing the trumpet. Tone production, embouchure, position, and technique. *Fall and Spring.*

FrH 101, Trb 101, Bar 101, Tba 101 French Horn, Trombone,
Baritone, Tuba ($\frac{1}{2}$)

Class instruction in the fundamentals of playing the French horn, trombone, baritone, or tuba. *Fall and Spring.*

FrH 111-412, Tpt 111-412

Trb 111-412, Bar 111-412, Tba 111-412 Brasses: Advanced (1)

Private instruction for majors in French horn, trumpet, trombone, baritone, or tuba. *Fall, Spring, Summer.*

FrH 121-422, Tpt 121-422

Trb 121-422, Bar 121-422, Tba 121-422 Brasses: Advanced Standing (1 or 2)

Private instruction for majors in the performance of sonatas, concerti, and solos for those who have attained advanced standing by examination. *Fall, Spring, and Summer.*

Per 101 Percussion ($\frac{1}{2}$)

Class instruction in the fundamentals of playing percussion instruments. Snare drum rolls, bass drum and cymbal techniques, and instruction in the use of other percussion instruments. *Fall and Spring.*

SEn 111-412 String Ensemble ($\frac{1}{2}$)

Principles of ensemble playing through the performance of various types of chamber music. *Fall, Spring, Summer.*

WEn 111-412 Woodwind Ensemble ($\frac{1}{2}$)

Principles of ensemble playing through the performance of various types of chamber music. *Fall, Spring, Summer.*

BEn 111-412 Brass Ensemble ($\frac{1}{2}$)

Principles of ensemble playing through the performance of various types of chamber music. *Fall, Spring, Summer.*

EO 111-412 Elementary Orchestra ($\frac{1}{2}$)

Music for the beginning orchestra through performance. Emphasis on beginners' problems, organization, and techniques of string performance. *Fall, Spring.*

SyO 111-412 Symphony Orchestra ($\frac{1}{2}$)

Emphasis on performance of a wide variety of orchestral literature for concerts, accompanying student soloists, opera, and oratorio. *Fall, Spring, Summer.*

Sin 111-412 Sinfonietta ($\frac{1}{2}$)

A highly selective small orchestra which studies and performs music primarily from the Baroque, Classical, and Contemporary Periods. *Fall and Spring.*

EiB 111-412 Elementary Band ($\frac{1}{2}$)

Music for the beginning band through performance. Emphasis on beginners' problems, organization, and techniques of wind and percussion playing. *Fall and Spring.*

SeB 111-412 Second Concert Band ($\frac{1}{2}$)

Performance of band literature suitable for junior high and senior high levels. Program building, balance, and rehearsal techniques are stressed. *Fall and Spring.*

CMB 111-412 Concert and Marching Band ($\frac{1}{2}$)

The Concert Band emphasizes performance of a wide variety of band literature: standard repertoire, recently published compositions, and selections from festival lists. The Marching Band performs precision and theme drills at football games and plays for community and college functions. *Fall, Spring, Summer.*

ICo 311 Instrumental Conducting (2)

Development of conducting skills and techniques, score reading, and terminology. Works from the late eighteenth century are studied and conducted. *Prerequisite:* CCo 211. *Fall, Spring Summer.*

ICo 312 Advanced Instrumental Conducting (2)

Continued development of conducting skills and score reading of more advanced music literature. Works from the Romantic and Contemporary Periods are studied and conducted. *Prerequisite:* ICo 311. *Fall, Spring, Summer.*

Mas 031-034 Master Class [Strings] (1)

Standard repertoire for combinations of string instruments, including trios, quartets, quintets, and other groups involving piano, organ, and other instruments. *Fall, Spring, Summer.*

Mas 041-044 Master Class [Woodwinds] (1)

Repertoire from the Baroque Period to the present, performed by ensembles of woodwind instruments. Solos are performed and discussed. *Fall, Spring, Summer.*

Mas 351-355 Master Class [Brasses] (1)

Repertoire for brass solo, homogeneous ensemble, and mixed ensemble is performed and discussed. *Fall, Spring, Summer.*

DEPARTMENT OF PHILOSOPHY

DR. CLAGHORN, *Chairman*

Associate Professor
STRUCKMEYER

Assistant Professors
BANYACSKI
D'ANDRADE
KAPUNAN

Phi 280 Introduction to Philosophy (3)

An introduction to the chief problems and methods of philosophic thought, with a survey of some typical solutions. The place and influence of philosophy in the life of man today. *Fall, Spring, Summer.*

Phi 374 Problems of Aesthetics (3)

Interpretation of beauty and art. Effect of motivation; problems in media and goals. A background of meaning for the evaluation of specific works of painting, sculpture, music, and architecture. *Spring.*

Phi 380 Ethics (3)

Great ethical systems of history, and their application to personal and social life. The right and the good, the nature of values, and critical ethical dilemmas. *Fall.*

Phi 460 Near Eastern Religions (3)

The origin, development, and outreach of Judaism and Mohammedanism. Their view of ethics, social change, and ultimate goals; branches within each; comparison with other Near Eastern religions. *Offered as needed.*

Phi 461 Indian Thought (3)

The religious and philosophical heritage of India, as found in classics of Buddhism, Islam, Jainism, and the Vedanta philosophy. *Offered as needed.*

Phi 462 Chinese and Japanese Thought (3)

A survey of Confucianism, Taoism, Buddhism, and other schools, emphasizing their view of man, family life, society, and nature. Traditional and modern developments; interaction of Far Eastern and Western thought. *Spring.*

Phi 470 History of Philosophy, Ancient (3)

A survey of the major figures of ancient philosophy, from the pre-Socratics through Plato, Aristotle, the Epicureans and Stoics, to the Skeptics and Neo-Platonists. *Fall.*

Phi 471 History of Philosophy, Medieval (3)

The history of philosophy from the early Church fathers to the late Middle Ages. St. Augustine, St. Thomas, mysticism, Jewish and Mohammedan influences, humanism, and the rise of science. *Fall.*

Phi 472 History of Philosophy, Modern (3)

From Descartes to Hegel. The social, political, and scientific impact of the philosophers. *Spring.*

Phi 483 Philosophy of History (3)

Classic philosophies of history, including those of Augustine, Vico, Hegel, Marx, Spengler, Toynbee, and Collingwood. Definitions of civilization, norms of progress and decadence, determinism and indeterminism, causality, and pattern. *Fall.*

Phi 484 American Philosophy (3)

Leaders in science, literature, religion, and government who have shaped American thought. Philosophers of Puritanism, the Revolution, Transcendentalism, and native schools of Realism, Idealism, and Pragmatism. *Fall.*

Phi 485 Contemporary Philosophy (3)

Philosophic trends since 1850, including Pragmatism, Positivism, Existentialism, the Analytic School, and the East-West discussions. *Spring.*

Phi 486 Philosophy of Religion (3)

Religion and the religious experience as viewed by major Western thinkers. The existence of God, immortality, religious knowledge, evil, miracles, and science and religion. *Spring.*

Phi 487 Philosophy of Science (3)

The nature of scientific method and scientific theory, with reference to presuppositions, inference, explanation, prediction, applications, and verification. *Offered as needed.*

Phi 488 Theory of Knowledge (3)

Theories of truth, perception, and understanding. Classic and contemporary discussions on the nature of the self, in relation to the known world. *Offered as needed.*

Phi 490 Logic (3)

The art of critical thought and of sound reasoning. Formal and classical logic; propaganda; introduction to the scientific method. *Fall, Spring, Summer.*

Phi 491 Advanced Logic (3)

Symbolic logic and its relation to contemporary philosophy and scientific thought. Two-valued sentential and quantificational logic. Many-valued logics, modal logic, and natural deduction. *Prerequisite:* Phi 490. *Offered as needed.*

Phi 498 Seminar in Ancient Philosophy (3)

Directed study of a topic in ancient philosophy as it relates to vital questions of our own time. Topic for 1968-69: The Concept of Personality in Ancient Thought. Required of all philosophy majors. *Prerequisite:* 6 hours of philosophy or permission of the instructor. *Fall.*

Phi 499 Seminar in Modern Philosophy (3)

An intensive study of some major theme of modern philosophy. Topic for 1968-69: Hegel. Required of all philosophy majors. *Prerequisite:* 6 hours of philosophy or permission of the instructor. *Spring.*

DEPARTMENT OF PHYSICS

DR. RICKERT, *Chairman*

Associate Professors

HAWKES
SHOAF
WIDICK

Assistant Professors

REED
SMITH

Instructor

CHESNUTT

Lecturers

GOLDMAN
HELKER
HOLLICK

Phy 101 Physics I (4)

An introductory course. Mechanics of solids and fluids; heat; temperature; thermodynamics; the kinetic theory; and wave motion. Two hours lecture, two hours recitation, two hours lab. *Prerequisite:* Mat 141. *Fall and Summer.*

Phy 102 Physics II (4)

An extension of Phy 101. Electricity and magnetism; geometrical and physical optics; and modern physics. Two hours lecture, two hours recitation, two hours lab. *Prerequisites:* Phy 101, Mat 142. *Spring and Summer.*

Phy 212 Mechanics (4)

An intermediate course. Kinematics and dynamics of particles and rigid bodies; work and energy; the conservation principles; harmonic oscillations; and properties of solids and liquids. Vector analysis is introduced as an integral part of the course. Three hours lecture and three hours lab. *Prerequisites:* Phy 102, Mat 142, Mat 241. *Spring.*

Phy 233 Introduction to Modern Physics (4)

An intermediate course. Special relativity, quantum effects, atomic structure and spectra, nuclear structure and reactions, molecular and solid state physics. Three hours lecture and three hours lab. *Prerequisites:* Phy 102, Mat 142. *Fall.*

Phy 330 General Astronomy (3)

Astronomical bodies from the earth to distant galaxies. Man's place in the universe. *Prerequisite:* Sci 150 or equivalent. *Fall and Summer.*

Phy 413 Analytical Dynamics (3)

An advanced undergraduate course. Wave propagation; Lagrange's equations and Hamilton's principle; rigid body motion; and special relativity. *Prerequisites:* Phy 212, Mat 343. *Spring of even years.*

Phy 414 Heat and Thermodynamics (3)

Equations of state; first and second laws of thermodynamics; ideal and real gases; entropy; and statistical mechanics. *Prerequisites:* Phy 102, Mat 343. *Spring of odd years.*

Phy 421 Electricity and Magnetism I (4)

An intermediate course. D.C. circuit analysis, electrostatics of point charges and extended charge distributions, fields in dielectrics, magnetic fields due to steady currents, Ampere's Law, and induced emfs. Three hours lecture and three hours lab. *Prerequisites:* Phy 212, Mat 242. *Fall.*

Phy 422 Optics (4)

An intermediate course. Theory and laboratory practice in geometrical and physical optics. Reflection and refraction at surfaces, lenses, interference and diffraction, spectroscopy, polarization, and the applications of electromagnetic theory to light. Three hours lecture and three hours lab. *Prerequisite:* Phy 421. *Fall of odd years.*

Phy 423 Electronics (4)

A laboratory course. Electron emission, rectification, voltage and power amplification, oscillators, and test circuits. Vacuum tube and solid state circuits. One hour lecture and six hours lab. *Prerequisites:* Phy 101, Phy 102. *Fall.*

Phy 424 Electricity and Magnetism II (3)

An extension of Phy 421. Further development of electrostatics, further treatment of dielectric materials, magnetic materials, ferromagnetism, transients, alternating currents, transmission lines, and electromagnetic radiation. Properties of materials and the field approach to electrodynamics. *Prerequisites:* Phy 421, Mat 343. *Spring.*

Phy 432 Introduction to Nuclear Physics (4)

An advanced undergraduate course. Basic nuclear properties, nuclear structure, alpha and beta decay, gamma radiation, nuclear reactions, particle accelerators, detection equipment, and elementary particles. Three hours lecture and three hours lab. *Prerequisite:* Phy 421. *Spring of even years.*

Phy 440 Introduction to Research (1 to 3)

Theoretical and experimental work in the library and laboratories. Specific problems in consultation with the faculty adviser. *Prerequisite:* consent of instructor. *Fall and Spring.*

Phy 444 Seminar (1)

Oral and written reports on approved topics. Variation in topics from year to year depending on the interests and needs of students. *Prerequisite:* senior standing. *Spring.*

DEPARTMENT OF POLITICAL SCIENCE

DR. HARDING, *Chairman*

Associate Professors

BURNS
BURTON
SHEA

Assistant Professor

BRADY

Instructor

IACONO

Lecturer:

ELDRIDGE

PSc 201 Introduction to Political Science (3)

Introduction to the study of political phenomena: Society, state and man; political theory; modern governmental systems; international relations; administration; political organizations; and methodology and approaches in the study of politics. *Fall, Spring, Summer.*

PSc 231 American Government (3)

General principles of the American system of government: organization and functions of the national government — legislative, executive, and judicial; the rights and duties of citizenship; the electorate, political parties, civil rights, and the growing regulatory functions of agencies. *Fall, Spring, Summer.*

PSc 331 State and Local Government (3)

Organization, theory, functions, and politics of state and local government. The role of state government in a changing federal system: finances, services, civil liberties, economic development. *Prerequisite:* PSc 231. *Spring.*

PSc 332 Comparative Government (3)

Attention primarily to developed systems and secondarily to developing systems. Methods of comparative analysis, patterns of political socialization, political culture, elite-mass relationships, and totalitarian and non-totalitarian systems. *Prerequisite:* PSc 231. *Spring.*

PSc 333 International Politics (3)

Politics among nations (including politics carried on through international organizations). Power politics, techniques of diplomacy, and methods of current international organizations. Special attention to the interests and policies of the United States. *Prerequisite:* His 102 or consent of instructor. *Spring.*

PSc 334 American Political Parties (3)

Patterns, functions, and history of the American political party system at national, state, and local levels. Theoretical and empirical studies of political interest groups, public opinion, and voting behavior. *Prerequisite:* PSc 231. *Fall.*

PSc 335 American Political Ideas (3)

Ideological treatment of major elements of American politics: constitutionalism, federalism, checks and balances, rights under law, equality and liberty, *laissez faire*, and welfare state. *Prerequisite:* PSc 231. *Spring.*

PSc 336 Soviet Government and Politics (3)

Concepts of interest and political power within the framework of Soviet history and ideology. Analysis of Soviet national interest, world revolution, and ultimate goals of Soviet policy. Internal politics as shaped by Lenin, Stalin, Khrushchev, and their successors. *Prerequisite:* PSc 231. *Fall.*

PSc 337 American Foreign Policy (3)

Theories, goals, and methods of American Foreign Policy in the twentieth century. While the historical development of American Foreign Policy is given attention, emphasis is on current foreign policy problems and goals. *Prerequisite:* PSc 231. *Fall.*

PSc 338 Introduction to Political Thought (3)

A survey of great political thinkers of Western Civilization from Plato to the present. Aristotle, Polybius, Cicero, St. Thomas Aquinas, Machiavelli, Hobbes, Locke, Montesquieu, Rousseau, Burke, Mill, and others. Historical background of Western thought; its relevancy to the present. *Prerequisite:* PSc 231. *Spring.*

PSc 339 Elements of Public Administration (3)

United States public administration, using texts and case studies illustrating organizational theory, administrative law, budgeting, personnel functions, human behavior and motivation, and techniques of organizational rationality. *Prerequisite:* PSc 201 or PSc 231. *Fall.*

PSc 340 American Constitutional Law (3)

The development of the American Constitutional System as reflected in leading decisions of the United States Supreme Court. Emphasis on national powers, federalism, and the bill of rights. *Prerequisite:* PSc 231. *Fall.*

PSc 341 International Law (3)

The nature, sources, and subjects of international law. The methods and practices of international legal action. The case method of analysis is employed to gain insight into basic areas of international law. *Prerequisite:* PSc 231. *Fall.*

PSc 342 Public Opinion and Propaganda (3)

The dynamics of the public opinion process and the role of public opinion in democratic and non-democratic political systems: conformity to public opinion, the "mass mind," the tyranny of the majority, censorship, and the efficacy of public opinion. *Prerequisite:* PSc 201 or PSc 231. *Spring.*

PSc 343 Municipal Government (3)

Municipal politics, problems, and government. Theory and functions of cities, suburbs, and regional areas. Anthropological, sociological, and psychological study of urban man and politics. *Prerequisite:* PSc 331 or consent of instructor. *Fall.*

PSc 400 Senior Seminar in Political Science (3)

Research in political science. Methodology, bibliography, and presentation, both oral and written. The research paper for the seminar must be acceptable as a required departmental Senior Research Paper. Required of all political science majors. *Spring.*

PSc 410 Independent Studies in Political Science (1 to 3)

Special research projects, reports, readings in political science. Open to seniors only. *Prerequisite:* permission of department chairman.

DEPARTMENT OF PSYCHOLOGY

DR. CLARK, *Chairman*

Professor
GREGG

Associate Professors
FELDMAN
LYNCH

Assistant Professors
POTTIEGER
SHINEHOUSE

Psy 100 Introduction to Psychology (3)

A comprehensive study of the origins, motives, and modifications of human behavior. The scientific approach in analyzing behavior patterns; the importance of man's biological inheritance, and the significance of social environment in influencing

human living. The simpler techniques in psychological experimentation. *Fall, Spring, Summer.*

Psy 241 Psychology of Exceptional Children (3)

Psychology of children having superior or inferior intellectual ability; defective vision, hearing and speech; emotional, social, and physical handicaps. *Prerequisite:* Psy 100. *Spring and Summer.*

Psy 243 Psychology of the Mentally Retarded (3)

A survey of the psychological development of mentally retarded children. Socio-economic, cultural, emotional, and educational factors which influence their behavior. *Prerequisite:* Psy 241. *Fall.*

Psy 352 Adolescent Psychology (3)

Practical understanding of personality development, maturation, and problems of the adolescent. The interrelationship of physical, emotional, and social growth within the context of such social institutions as the home, school, and community. *Prerequisite:* Psy 100. *Fall, Spring, Summer.*

Psy 354 Social Psychology (3)

The individual in his social setting, including social norms and frames of reference, and the influence of groups and subcultures on personality and social behavior. A comparison and evaluation of research studies in the field of social psychology. *Prerequisite:* Psy 100. *Fall and Summer.*

Psy 355 Experimental Psychology (3)

A laboratory course to introduce planning, performing, and evaluating psychological experiments. Students carry out both original and classical experiments in the main areas of psychology. The experimental literature is reviewed. Two lectures plus a double-period laboratory per week. *Prerequisite:* Psy 100. *Spring and Summer.*

Psy 356 The Study of Personality (3)

Designed primarily to provide insight into the meaning, development, and structure of the normal human personality. A number of approaches are investigated, representative theories examined, and techniques for assessing personality characteristics evaluated. Emphasis is on developing propositions established from various points of view. *Prerequisite:* Psy 100. *Spring.*

Psy 361 Applied Psychology (3)

Survey of basic psychological principles as applied to industry, engineering, and other professions. *Prerequisite:* Psy 100. *Spring.*

Psy 362 History of Psychology (3)

History of the development of psychology from the nineteenth century to the present. The emergence of modern experimental psychology. *Prerequisite:* Psy 100. *Fall.*

Psy 363 Psychology of Learning (3)

Basic principles of learning and conditioning. Critical analysis of learning theories

and their application to problems of normal and abnormal behavior. *Prerequisite:* Psy 100. *Fall.*

Psy 364 Physiological Psychology (3)

Neurological, endocrinological, and other physiological processes underlying human behavior. Effects of drugs on behavior. Electrode implantation and other techniques for direct study of brain-behavior relationships. Current problems in the physiology of motivation, emotion, learning, memory, and attention processes. *Prerequisite:* Psy 100. *Fall.*

Psy 370 Mental Hygiene (3)

Analysis of the individual from several standpoints according to the principles of mental hygiene. The application of these principles to the individual's problems of adjustment to the school and society. Field trips. *Prerequisite:* Psy 100. *Fall and Summer.*

Psy 375 Abnormal Psychology (3)

The nature and manifestations of normality and abnormality, mental mechanisms and symptoms, psychoneuroses, psychoses, and the psychopathic personality. Typical cases; functions of both professional and lay people in dealing with abnormality. *Prerequisites:* Psy 100, EdP 250, and EdP 251 or Psy 352, or the equivalent. *Fall, Spring, Summer.*

Psy 400 Senior Seminar in Psychology (3)

Research in psychology. Methodology, bibliography, and presentation, both written and oral. The research paper required for the seminar must be acceptable as a required departmental Senior Research Paper. Required of all psychology majors. *Spring.*

Psy 410 Independent Studies in Psychology (1 to 3)

Special research projects, reports, readings in psychology. Open to seniors only. *Prerequisite:* permission of department chairman.

PUBLIC SCHOOL NURSING

MRS. SCHOEL, *Coordinator*

Lecturers

MRS. CELLA

MRS. FEIN

PSN 300 Public School Nursing (2)

Introductory principles of school nursing as a related specialty of public health nursing. *Fall.*

PSN 302 Public Health Nursing I (3)

A survey of public health work in Europe, England, and America. Social changes in public health nursing, medicine, population trends, sanitation and housing engineering and other contemporary public health problems. *Fall and Spring.*

PSN 303 Public Health Nursing II (3)

A survey of the fundamental principles, past and present. Patterns, definitions, and processes of public health nursing practice as it relates to generalized public health nursing and the school nurse. *Prerequisite:* PSN 302. *Fall and Spring.*

PSN 304 Foundations of Nutrition (3)

Principles of normal nutrition for the family, schools, and other community agencies. The nurse's role as a nutritional resource person in the family, school, and community. *Fall and Spring.*

PSN 306 Prevention and Control of Communicable Diseases (3)

An epidemiological approach to the prevention and control of communicable diseases. Communicable disease problems of our society. *Spring.*

PSN 320 Problems in School Nursing, Methods and Materials for School Nurses (3)

Special physical, emotional, and social health problems of children which affect the school, home, and community. Principles, methods, and materials in health education which help the nurse to function more effectively as a health teacher with families and as a health resource person on the school health team. *Fall and Spring.*

PSN 370 Mental Hygiene (3)

The psychology of mental hygiene including the dynamics of personality adjustment as they relate to the normal individual. Special mental health problems of the child, school, family, and community. *Fall and Spring.*

R U S S I A N See Department of Foreign Languages

SCIENCE

In general, offerings of the Division of Sciences and Mathematics are found under the heading of their field and are identified by the symbol for their field. The Sci (Science) symbol is employed for the following four offerings designed for special purposes.

Sci 150 Basic Physical Science (4)

Interpretation of selected phenomena and data supporting selected theories. Astronomy, Newton's laws of motion, conservation laws, energy, and structure

of matter. Not open to science majors. Three hours lecture and two hours lab. *Fall, Spring, Summer.*

Sci 250 Science for the Elementary Grades (3)

A course to prepare the elementary teacher for teaching science. Selected units or problems which cut across various fields of science. Methods and processes of science and available resources. *Prerequisites:* Bio 100, Sci 150, or acceptable equivalents. *Fall, Spring, Summer.*

Sci 251 Matter and Energy (3)

Recommended for students in elementary education. Chemical reactions, electricity, and structure of matter. Cannot be used to satisfy requirements for science majors. *Prerequisite:* Sci 150. *Spring.*

Sci 350 Teaching Science in Secondary Schools (3)

Philosophy, objectives, and methods of teaching science. Practical experience provided. *Prerequisite:* upper division standing in a science major. *Fall and Summer.*

SOCIAL SCIENCE See Department of History

DEPARTMENT OF SOCIOLOGY AND ANTHROPOLOGY

MR. BRAM, *Chairman*

Associate Professors

MORNING
SAMUELSON

Assistant Professors

COWEN
MURPHY

Lecturer

NOVICK

Soc 231 Introduction to Sociology (3)

A course in the liberal arts tradition, designed to enrich the student's intellectual resources by equipping him with the sociological perspective on human behavior and the basic tools of sociological analysis. *Fall and Spring.*

Soc 332 Contemporary Social Problems (3)

Theories of the nature of man, society, and culture. The conditions, causes, and possible corrections and prevention of current social disorders: urban unrest, racial tension, poverty, addictions, crime, and delinquency. *Prerequisite:* Soc 231. *Spring.*

Soc 333 The Family (3)

A comparative, historical, and cross-cultural approach to the family as an institution. Theories and empirical research on mate selection, courtship, marital adjustment, parent-child relationship, and family crisis. *Prerequisite:* Soc 231. *Fall and Spring.*

Soc 334 Juvenile Delinquency (3)

Nature and extent of delinquency; theories of delinquency; evaluation of programs for its prevention and control; role of social agencies and their effect on delinquency. *Prerequisite:* Soc 231. *Spring.*

Soc 335 Racial and Cultural Minorities (3)

The history of immigration to America; problems of assimilation for minority groups such as American Indians, Mexican-Americans, Puerto Ricans, and American Negroes; the meaning of, responses to, and reduction of prejudice and discrimination. *Prerequisite:* Soc 231. *Fall.*

Soc 336 Urban Sociology (3)

Historical development of cities; characteristics of urban institutions; urban ecology; demographic patterns; the city's races, nationalities, and social classes; problems of the city and city planning. *Prerequisite:* Soc 231. *Fall.*

Soc 337 Sociological Theory (3)

A survey of historical and contemporary theories of society and social behavior. The logic of systematic theory construction, and the relationship between theoretical models and empirical research in substantive fields of sociology. *Prerequisite:* Soc 231. *Fall.*

Soc 338 Criminology (3)

The development of criminology as a discipline. Contemporary theories, empirical research, and the systematic study of the causation and prevention of criminal behavior. *Prerequisite:* Soc 231. *Spring.*

Soc 339 Social Stratification (3)

A critical survey of major theories of stratification (Plato, Marx, Weber, Parsons, etc.) Analysis of social inequality in contemporary societies. *Prerequisite:* Soc 231. *Fall.*

Soc 340 Introduction to Social Work (3)

History, development, and theory of social case work, group work, and community organization. *Prerequisite:* Soc 231. *Fall.*

Soc 341 Social Change (3)

Measuring and explaining social change. Modernization of traditional societies; sources, dimensions, and consequences of trends in industrial societies; strategies for planning and guiding change. The social sciences as agents of induced change. *Prerequisite:* Soc 231. *Spring.*

Soc 400 Senior Seminar in Sociology (3)

Research in sociology. Methodology, bibliography, and presentation, both oral and written. The research paper for the seminar must be acceptable as a required departmental Senior Research Paper. Required of all sociology majors. *Spring.*

Soc 410 Independent Studies in Sociology (1 to 3)

Special research projects, reports, readings in sociology. Open to seniors only.

Prerequisite: permission of department chairman.

ANTHROPOLOGY See Anthropology

SPANISH See Department of Foreign Languages

**DEPARTMENT OF SPEECH AND
THEATRE**

DR. HAYES, *Chairman*

Associate Professors

COPE
GRIFFITH
JACOBS
PETERSON
SUPPAN

Assistant Professors

LYNN
MANBURG
MARTEL
MEISWINKEL

SPEECH

Sph 000 Remedial Speech (1 clock hour — no credit)

Correction of problems of articulation, voice, and rhythm. Required of all students whose speech falls below a minimal standard. *Fall and Spring.*

Sph 101 Fundamentals of Speaking (2)

Development of poise and confidence in formal and informal speaking situations. Emphasis on audience analysis, finding materials, organization, and delivery. *Fall, Spring, Summer.*

Sph 102 Advanced Public Speaking (3)

Experience in developing more extended public addresses for students who have had elementary work. Emphasis on content, structure, and style. *Prerequisite:* Sph 101 or consent of instructor. *Spring.*

Sph 103 Discussion (3)

Effective leadership and participation in small groups: committees, conferences, panels, symposia. Topics vital to contemporary society are discussed. *Fall.*

Sph 105 Voice and Diction (3)

Practice in techniques leading to more effective communication; better use of voice, articulation, and rhythm. *Spring.*

Sph 106 Phonetics (3)

Study of the sounds of the English language. Development of skills in their recognition, production, and transcription. *Fall.*

Sph 201 Public Address (3)

The place of public speaking in the social, political, economic, and religious life at selected historical occasions through the study of representative speakers and their speeches. *Fall of odd years.*

Sph 203 Argumentation and Debate (3)

Function of debate in a democracy. Principles of argumentation and debate, including analysis, briefing, evidence, reasoning, and refutation. Class debating on vital issues. *Prerequisite:* Sph 101 or consent of instructor. *Fall of even years.*

Sph 204 General Semantics (3)

The study of meaning: its development, and its variability in communication. The influence of signs and symbols on everyday behavior. *Spring of odd years.*

Sph 303 Advanced Argumentation and Debate (3)

Experience in various types of debating. Emphasis on educational debating. Practice in debating before invited informed and critical audiences and before the general public. *Prerequisite:* Sph 203 or consent of instructor. *Spring of even years.*

Sph 401 Psychology of Speech (3)

Communication as a psychological phenomenon. Emotional and mental processes in human communication. Function of the senses, motivation, and personality. Barriers to understanding. Confrontation. *Fall of odd years.*

Sph 402 Methods in the Teaching of Speech and Drama (3)

Theory and practice in teaching junior and senior high school speech and drama courses and in directing their co-curricular programs. *Fall.*

Sph 403 Persuasion (3)

Current theories of attitude and attitude change. Practice in speaking to modify behavior through appeals to the drives and motives of the listener. *Prerequisite:* Sph 101 or consent of the instructor. *Spring of even years.*

SPEECH SCIENCE**SpS 201 Introduction to Speech Problems (3)**

A survey of speech problems in children. The teacher's role in therapy. Emphasis on speech improvement in the classroom. *Fall, Spring, Summer.*

SpS 202 Speech Pathology (3)

Diagnosis, etiology, and treatment of functional speech disorders. *Fall.*

SpS 301 Introduction to Audiology (3)

Physiological basis of hearing. Types and effects of hearing disorders. Administration and interpretation of hearing tests. Referral sources. *Spring.*

SpS 302 Speech and Language Development (3)

Theoretical origins of speech. The normal development of speech and language in the individual. *Spring.*

SpS 303 Clinical Practice (1 to 4)

Experience in the Speech Clinic under supervision. May be repeated for credit. *Prerequisites:* SpS 201 or SpS 202 and/or permission of instructor. *Fall and Spring.*

T H E A T R E A R T S

ThA 100 Theatre Practice (1)

Laboratory experience in technical aspects of play production. Required of all majors. *Fall and Spring.*

ThA 101 Introduction to the Theatre (3)

Survey of the arts and crafts used in play production: writing, directing, scene design, lighting, costuming, makeup. Criticism of plays and productions. *Fall.*

ThA 102 Beginning Acting I (3)

Theory and practice in creating the character through development of the actor's physical and emotional responses to imaginary stimuli. Participation in student-directed productions required. One hour of lab. *Spring of odd years.*

ThA 103 Beginning Acting II (3)

Continuation of ThA 102. Participation in student-directed productions required. One hour of lab. *Spring of even years.*

ThA 104 Introduction to Technical Production (3)

Selected technical aspects of play production: scene design, lighting, and production organization. *Fall of odd years.*

ThA 105 Interpretive Reading (3)

Theory and practice of oral presentation of various types of literature to an audience. Attention to teachers' problems in selection and presentation of material. *Fall and Summer.*

ThA 201 Stage Makeup (2)

Theory and practice in design and application of makeup for the stage. *Spring of even years.*

ThA 202 Television Production Techniques (2)

Analysis of studio practices. Survey of basic television tools: cameras, sound and control equipment. *Fall of even years.*

ThA 204 Stagecraft and Production Management (3)

Planning, construction, painting, rigging, and shifting of scenery. Management of all operations backstage and in the house. Practical experience in college productions. *Fall.*

ThA 205 Advanced Interpretive Reading (3)

Advanced work in oral presentation of literature with emphasis on the theory and technique of Readers Theatre. *Prerequisite:* ThA 105. *Spring of odd years.*

ThA 206 Theatre Production for Young People (3)

Selection of plays suitable for elementary schools and junior and senior high schools. Techniques for effective minimal staging. *Spring and Summer.*

ThA 207 Creative Dramatics (3)

Theory and practice in the use of impromptu dramatizations as a teaching device and as a means of developing expressiveness in children. The class works with children. *Spring of even years.*

ThA 301 Play Direction (3)

Theory and practice in play production: play selection, preparation of the script, casting, rehearsing. Direction of a one-act play before an invited audience required of each student. *Prerequisite:* ThA 102 or ThA 103. *Spring of odd years.*

ThA 302 Direction and Production of the Instructional Television Program (3)

Planning the non-dramatic television production. Practice in the use of television equipment. Production of an original instructional television program required of each student. *Spring of even years.*

ThA 304 Scene Design (3)

Principles and practice in designing an appropriate and expressive milieu for the play. Perspective sketches, working drawings, and models. Historical development of stage scenery. *Prerequisite:* ThA 204. *Fall of odd years.*

ThA 305 Stage Costuming (3)

Historical development of dress. Principles and practice in the design and construction of stage costumes. One hour of lab. *Spring of odd years.*

ThA 307 Stage Lighting (3)

Elementary electrical and optical theory. Analysis of stage lighting equipment and control systems. Principles and practices in effectively lighting the play. *Fall of even years.*

ThA 308 History of the Theatre to the Sixteenth Century (3)

Development of the theatre from primitive times through pre-Shakespearean period. Analysis of theatrical productions as indications of the life style of each historical period. *Fall of odd years.*

ThA 309 History of the Theatre, Sixteenth Century to Present (3)

Development of theatre from Renaissance to Contemporary period. *Spring of odd years.*

ThA 310 History and Aesthetics of the Oriental Theatre (3)

Impact of oriental theatrical traditions on Western thought and art. Oriental integration of form and content, especially in the theatres of India, China, and Japan. *Spring of odd years.*

ThA 401 Advanced Directing (3)

Directing as a creative aspect of play production. Problems in directing actors in varied styles and forms of plays. Direction of a full-length play required of each student. One hour lab. *Prerequisite:* ThA 301. *Fall of even years.*

ThA 402 Direction and Production of the Dramatic Television Program (3)

Planning the program. Preparing the shooting script. Practice in rehearsing with actors and cameras. Production of a short television drama required of each student. One hour of lab. *Prerequisite:* ThA 301. *Spring of even years.*

ThA 403 Advanced Acting (3)

Styles of acting. Fully staged acting projects presented and defended before an invited audience. Participation in campus plays required. One hour of lab. *Prerequisites:* ThA 102, ThA 103. *Spring of odd years.*

ThA 404 Advanced Scene Design (3)

Analysis of excellent scene designs of the past. Practice in maximizing the visual impact of stage scenery. Design projects for selected visually challenging plays. Students design for both student-directed and major productions on campus and in the area. One hour of lab. *Prerequisite:* ThA 304. *Spring of even years.*

ADDITIONAL PROGRAM INFORMATION

EXTENSION WORK

Extension courses permitted in the four-year curricula for the preparation of teachers of the public schools:

- (1) The College adheres to the regulations set up by the American Association of Colleges for Teacher Education. A committee of this Association has recommended that extension credits be limited to thirty-two semester hours in the four-year curricula;
- (2) Any course in the four-year curricula may be offered by the State Colleges and Indiana University of Pennsylvania subject to the standards approved by the State Council of Education;
- (3) Credit for equivalent courses given by other institutions may be given, subject to the 32 semester hour limit and provided the courses have been given in accord with the standards of the State Council of Education;
- (4) All instructors of extension classes must be regularly selected members of the faculty, and the names of all such persons employed must appear in the regular catalog as members of the faculty.
- (5) Extension credits previous to June 1, 1941, shall be in accord with the limited list in effect at that time.

COLLEGE COURSES FOR TEACHERS

Each semester a number of courses may be offered in the evenings and on Saturday mornings. These courses are planned for teachers in service who wish to continue their work toward a degree. The courses given are selected from the several curricula and are chosen with the idea of accommodating as many teachers as possible.

The cost of these courses is at the rate of \$12.50 per semester hour of credit for legal residents of Pennsylvania. A minimum basic fee of \$37.50 will be charged. For out-of-state students the rate is \$20 per semester hour (minimum basic fee—\$60).

Not more than six semester hours of credit will be allowed for courses completed in any one semester by a student who during such term is a regularly employed full-time teacher.

The College gladly welcomes any suggestions for courses to be offered evenings and Saturdays. Such requests should be mailed to the Staff Dean for Undergraduate Studies.

GRADUATE STUDIES

West Chester began offering graduate studies in the fall of 1959 and now provides a full-time program of graduate studies during the regular college year and summer sessions. Classes are scheduled for late afternoons, evenings, and Saturdays during the fall and spring semesters.

The graduate program provides for specialization leading to the Master of Education degree in the following fields: elementary education, health and physical education, music education, English, French, German, Latin, Spanish, biology, chemistry, geography, guidance and counseling, mathematics, physical science, physics, and social sciences. A certification program in audio-visual education (instructional media specialist) is also offered and a degree program in this field is pending Department of Public Instruction approval.

The total graduate enrollment for the 1967 fall semester was 1,270, of whom 63 were full-time students. Since 1961, 374 graduate students have received Master of Education degrees from the College.

The graduate program is designed especially for the in-service teacher, and the outlook for the immediate future is that it will continue to be a part-time program in the spring and fall semesters and a full-time program in the summer sessions. It provides in-service teachers with an opportunity to secure permanent certification and earn the Master of Education degree with no interruption in teaching assignments. It also permits them to improve their position on salary schedules which recognize graduate study.

A graduate studies bulletin, course offerings, and other information regarding the program may be secured by writing the Staff Dean for Graduate Studies.

SUMMER SESSIONS

West Chester State College offers a program of study for both undergraduates and graduates at summer sessions extending through twelve weeks. The sessions are divided into three periods: the Pre Session of three weeks, the Regular Session of six weeks, and the Post Session of three weeks. No student will be allowed to secure more credits than the number of weeks in a session except by special permission of the Staff Dean for Undergraduate Studies (for undergraduates) or the Staff Dean for Graduate Studies (for graduates).

Detailed information about the undergraduate studies summer program may be obtained from the Director of Summer Sessions. Requests for similar information about graduate studies should be directed to the Staff Dean for Graduate Studies.

ADMINISTRATIVE OFFICERS

(This list is effective as of November 1, 1967.)

PRESIDENT

EARL F. SYKES

ACADEMIC AFFAIRS

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<i>Assistant to the Dean of Faculty and Academic Affairs</i>	BERNARD F. SIEGEL
<i>Staff Dean for Undergraduate Studies</i>	EMIL H. MESSIKOMER
<i>Assistant to the Staff Dean for Undergraduate Studies</i>	JOHN C. LEWIS
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<i>Dean, School of Education</i>	HAROLD W. BENDA
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<i>Director, Student Teaching and Intern Programs</i>	MARK M. EVANS
<i>Dean, School of Health and Physical Education</i>	NORMAN L. SHEETS
<i>Assistant to the Dean, School of Health and Physical Education</i>	EDWIN B. COTTRELL
<i>Associate Dean for Graduate Studies, School of Health and Physical Education</i>	EDWIN L. YOUMANS
<i>Director of Athletics</i>	ROBERT W. REESE
<i>Dean, School of Music</i>	LLOYD C. MITCHELL
<i>Assistant Dean, School of Music</i>	ALEXANDER ANTONOWICH
<i>Associate Dean for Graduate Studies, School of Music</i>	CHARLES A. SPRENKLE

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<i>Dean of Student Affairs</i>	JACK A. OWENS
<i>Director of Financial Aid</i>	WILLIAM BENNER
<i>Director of Social Activities</i>	WALTER BLAIR
<i>Dean of Men</i>	W. GLENN KILLINGER
<i>Assistant Dean of Men</i>	RONALD GOTTSALL
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<i>Assistant Dean of Women</i>	CAROLYN SPEISZ
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<i>Director of Guidance and Counseling</i>	THOMAS B. WILLIAMS
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<i>Manager of College Bookstore</i>	ROBERT I. CRONEY
<i>Director of Medical Services</i>	PHILIP KISTLER, M.D.
<i>Assistant Director of Medical Services</i>	JACK C. WHITE, M.D.

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<i>Director of Business Affairs</i>	EVERETT E. SHAEFER
<i>Assistant Director of Business Affairs</i>	DAVID HICKMAN
<i>Purchasing Agent</i>	EMILY C. HAINES
<i>Budget Analyst</i>	SARA Y. BAXTER

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MANAGEMENT

<i>Director of Facilities Development and Management</i>	ROBERT C. HANNUM
<i>Assistant to the Director of Facilities Development and Management</i>	LYOUD W. BLACK
<i>Plant Maintenance Engineer</i>	ALFRED SYKES
<i>Chief, Stores Department</i>	HAROLD DAVIDSON
<i>Chief, Security Department</i>	SAMUEL F. BURGER

PUBLIC RELATIONS AND
COLLEGE PUBLICATIONS

<i>Director of Public Relations and Publications</i>	WILLIAM P. HOUP
<i>Coordinator of Publications</i>	JOHN BOSWORTH-FLING

ADMINISTRATIVE PERSONNEL

Executive Clerk
Chief Payroll Clerk
Revenue Clerk
Senior Clerk
Federal Grants

FRANCES F. BREEN
 ELIZABETH C. GRIFFITH
 DORIS S. DILL
 HANNAHBELLE T. MORRISON
 LUCILLE HICKOX

Laundry Supervisor
Housekeeper
Postmaster
Chief Switchboard Operator
Grounds Foreman
Building Maintenance Foreman
Utility Plant Supervisor
Supervisor, Data Processing
Carpenter Foreman

JOHN WOOLDRIDGE
 AGNES SPEAKMAN
 FRANK BERRY
 MARIE LANE
 ASHMORE P. MARCH
 JOHN RAY
 DANIEL MINTZER
 JACOB E. STRAUSS
 PAUL GORDON

Secretarial Assistant to the
Board of Trustees and to the President
Secretary to the President
Secretary to the Dean of Faculty
and Academic Affairs
Secretary to the Dean of Student Affairs
Secretary to the Director of
Facilities Development and Management

MARY R. WEIR
 JULIA D. OAT

 JO ANN SMITH
 DOROTHY M. HINE

 S. LOUISE PHIEL

- DOROTHY D. BAILEY (1958) *Professor of English*
B.A. Our Lady of the Lake College, M.A. University of Texas, Ph.D. University of Wisconsin.
- GEORGE H. BALDWIN (1967) *Associate Professor of Health and Physical Education*
B.S. Bowling Green University, M.A. Columbia University, Fairleigh Dickinson University.
- MICHAEL F. BANNON (1955) *Professor of Secondary Education and Professional Studies*
B.S. State College, Troy, Alabama, M.A. Columbia University, Ed.D. George Peabody College for Teachers.
- PAUL A. BANYACSKI (1965) *Assistant Professor of Philosophy*
B.A. Eastern Baptist College, Eastern Baptist Seminary, Bryn Mawr College.
- HELMUT A. BARANYI (1967) *Field Consultant — Language Project, Assistant Professor*
B.A. LaSalle College, University of Fribourg, M.Ed. University of Pittsburgh, University of Pittsburgh.
- ① EDWARD A. BARROW (1956) *Associate Professor of Brass*
B.Mus., M.Mus. Eastman School of Music, University of Rochester, West Virginia University.
- LUTHER R. BARTH (1964) *Associate Professor of Secondary Education and Professional Studies*
B.S. Pennsylvania State University, M. Ed. Loyola University.
- ROBERT M. BEDFORD (1966) *Assistant Professor of Piano*
B.Mus., M.S. Juilliard School of Music.
- HUGH C. BELL (1966) *Associate Professor of Mathematics*
B.S. in Ed. Youngstown University, Kent State University, M.A.T. Duke University, University of Michigan, U.S. Navy Electronics Technical School.
- ELIZABETH B. BEATTY (1960) *Assistant Professor of Music Education and Organ*
B. Mus. University of Michigan, Curtis Institute of Music, Ed.M. Temple University.
- ③ HAROLD W. BENDA (1956) *Dean, School of Education, Professor*
B.A. Iowa State Teachers College, M.A. University of Iowa, Ed.D. New York University.
- WILLIAM R. BENNER (1938) *Director of Financial Aid, Assistant Professor*
B.S. West Chester State College, M.A. Temple University.
- BERNICE H. BERNATZ (1954) *Dean of Women, Associate Professor*
B.A. Iowa State Teachers College, M.A. University of Michigan.
- ROBERT W. BERNHARDT (1965) *Associate Professor of Biology*
B.S., M.S. State University College of Forestry, University of Massachusetts.
- THOMAS E. BERRY (1946) *Professor of English*
A.B., A.M. University of Pennsylvania, Ph.D. University of Pittsburgh.
- FLOYD R. BIELSKI (1961) *Associate Professor of Geography*
B.S. Indiana State College, M.A. University of Illinois, Pennsylvania State University.
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- LLOYD W. BLACK (1960) *Assistant to the Director of Facilities Development and
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B.S., M.S. Temple University, Temple University.
- MARY M. BLISS (1952) *Assistant Professor of Biology*
A.B. Swarthmore College, M.S. Temple University.
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- RICHARD A. BOERLIN (1961) *Assistant Professor of Woodwinds*
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- EVA F. BOURGEOIS (1964) *Lecturer in Elementary Education*
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- RICHARD E. L. BRADSHAW (1964) *Assistant Professor of History*
B. A. Kenyon College, M.A. University of Pennsylvania.
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- HAROLD BRAM (1965) *Chairman, Department of Sociology and Anthropology,
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B.A. M.A. University of New Mexico, University of Pennsylvania.
- RICHARD G. BRANTON (1962) *Associate Professor of Mathematics*
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Pennsylvania, Villanova University.
- JUSTO B. BRAVO (1964) *Chairman, Department of Chemistry, Professor of Chemistry*
B.S. Adamson University (Manila), Ph.D. University of Kansas.
- TYRONE BREUNINGER (1965) *Assistant Professor of Brass (Part-time)*
B.S. West Chester State College, Temple University.
- FREDERICK R. BROWN (1965) *Assistant Professor of Music Education and Voice*
B.S. Kutztown State College, M.Mus. Philadelphia Musical Academy, Temple
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sity of Iowa, Harvard School of Public Health, Boston University, Ph.D.
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- WALTER E. BUCHELE, JR. (1962) *Director of Summer Sessions, Assistant Professor of Secondary and Professional Education*
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- ROBERT E. CARLSON (1961) *Chairman, Department of History, Professor of History*
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- CECILY G. CARMICHAEL (1962) *Assistant Librarian, Instructor*
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- PAUL E. CARSON (1946) *Chairman, Department of Instrumental Music, Associate Professor of Woodwinds and Music History and Literature*
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- GERALD B. CARTRIGHT (1961) *Principal, Laboratory School, Supervisor of Student Teaching, Associate Professor of Education*
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- LOUIS ANTHONY CASCIATO (1963) *Associate Professor of Chemistry*
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- JUNE H. CELLA (1967) *Lecturer in Nursing*
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- CONRAD E. CHALICK (1962) *Guidance Counselor, Assistant Professor*
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- FRANK T. CHEESMAN (1947) *Professor of Voice*
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- KATHRYN F. CHILDS (1965) *Lecturer in Mathematics*
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- CARMELA N. CINQUINA (1963) *Associate Professor of Biology*
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- GEORGE S. CLAGHORN (1963) *Chairman, Department of Philosophy, Professor of
 Philosophy*
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 University.
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- THOMAS J. CORR (1966) *Assistant to the Dean, College of Arts and Sciences, Associate Professor of English*
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- KENDALL D'ANDRADE, JR. (1967) *Assistant Professor of Philosophy*
B.A. Colgate University, M.A. Temple University.
- MANUEL DARKATSH (1966) *Supervisor of Elementary Student Teaching, Associate Professor*
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- | | |
|--|--------------|
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REQUEST FOR APPLICATION FORMS

[Secondary school students should send this request as soon as possible following completion of their junior year.]

1. Name -----
(Last) (First) (Second)

2. Number and Street ----- County -----

3. City ----- State ----- Zip Code -----

4. When do you wish to enter West Chester? -----, 19-----
(State the month: September, January, or June)

5. In what curriculum do you wish to enroll?

ELEMENTARY EDUCATION

SECONDARY EDUCATION

List concentration -----

HEALTH AND PHYSICAL
EDUCATION

MUSIC

Check the music degree
you wish to pursue:

B.S. in Music Education

Bachelor of Arts

Bachelor of Music

ARTS AND SCIENCES

List concentration -----

6. Have you attended any other college? Yes No

If so, give name of the college -----

How many semesters did you spend there? -----

7. Do you intend to apply as a Resident Student? Day Student?

8. When will you (or when did you) graduate from secondary school?

Month ----- Year -----

Send to:

Director of Admissions

West Chester State College

West Chester, Pennsylvania 19380

Note: When this information is received, instructions for completing your 3/68

application will be sent to you. Do not send application fee with this form.

1. ANDERSON HALL
2. BOILER PLANT
3. LABORATORY SCHOOL
4. EHINGER GYMNASIUM
5. FARRELL STADIUM
6. MAINTENANCE GARAGE
7. GOSHEN RESIDENCE HALL
8. OLD LIBRARY ANNEX
9. HOLLINGER FIELD HOUSE
10. PARKING
11. PARKING
12. KILLINGER RESIDENCE HALL
13. COLLEGE LAUNDRY
14. LAWRENCE CENTER (DINING HALL)
15. FRANCIS HARVEY GREEN LIBRARY
16. PARKING
17. ELECTRIC SUBSTATION
18. MCCARTHY RESIDENCE HALL
19. OLD GYMNASIUM
20. OLD MAIN
21. PHILLIPS MEMORIAL BUILDING
22. RAMSEY RESIDENCE HALL
23. OLD RECITATION HALL
24. REYNOLDS HALL
25. SCHMUCKER SCIENCE CENTER I
26. SCHMUCKER SCIENCE CENTER II
27. PLAYING FIELD
28. SPECIAL EDUCATION BUILDING
29. SWOPE HALL
30. TENNIS COURTS
31. TYSON RESIDENCE HALL
32. FOOTBALL STAFF OFFICES
33. PHYSICAL EDUCATION RESEARCH CENTER
34. EDUCATIONAL DEVELOPMENT CENTER
35. SPEECH AND HEARING CLINIC
36. SMITH HOUSE
37. PHYSICAL THERAPY CENTER
38. GENERAL STATE AUTHORITY OFFICES
39. PARKING

TO
SOUTH
CAMPU

New Field House
Baseball Field
Football Field



WEST CHESTER

STATE COLLEGE



WEST CHESTER
STATE
COLLEGE
BULLETIN

1969

summer sessions
undergraduate studies

West Chester, Pennsylvania

UNDERGRADUATE SUMMER CALENDAR 1969

Pre Session

Pre-registration ends 4 p.m. Monday, May 26
Registration Monday, June 2

Students will register alphabetically according to last name:
8:30-11:30 a.m. A through L
1:30-3:30 p.m. M through Z

Classes begin 8 a.m. Tuesday, June 3
Classes end Friday, June 20

Regular Session

Pre-registration ends 4 p.m. Monday, June 16
Registration Monday, June 23

Students will register alphabetically according to last name:
8:30-11:30 a.m. A through L
1:30-3:30 p.m. M through Z

Classes begin 8 a.m. Tuesday, June 24
Make-up day for July 4 holiday Saturday, June 28
Holiday Friday, July 4*
Classes end Friday, August 1

Post Session

Pre-registration ends 4 p.m. Monday, July 28
Registration Monday, August 4

Students will register alphabetically according to last name:
8:30-10:00 a.m. A through L
10:00-11:30 a.m. M through Z

Classes begin 8 a.m. Tuesday, August 5
Classes end Friday, August 22

* Note make-up day, Saturday, June 28.

ACCREDITATION

The Middle States Association of Colleges and Secondary Schools/The National Council for Accreditation of Teacher Education/The American Association for Health, Physical Education, and Recreation/The National Association of Schools of Music

WEST CHESTER STATE COLLEGE BULLETIN

summer sessions 1969

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West Chester, Pennsylvania 19380

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The provisions of this Bulletin are not to be regarded as an irrevocable contract between the student and the College. West Chester State College reserves the right to change any provisions or requirements at any time within the student's term of attendance.

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A Look at West Chester State College

WEST CHESTER, a multi-purpose college with a student body of more than 5,400 full-time undergraduates, is the second largest link in the system of fourteen institutions of higher learning which the Commonwealth owns and maintains for the youth of Pennsylvania. The College's objectives are to prepare teachers for Pennsylvania's public schools and to provide a liberal arts education for its youth.

West Chester traces its history back to the West Chester Academy, founded in 1812. Since then, an educational institution named West Chester has been in existence. The College has acquired its present dimensions through changes largely determined as the Commonwealth assumed increasing responsibility for the education of young Pennsylvanians. The institution became West Chester State Normal School in 1871, West Chester State Teachers College in 1927, and West Chester State College in 1962. A program of graduate studies, begun in 1959 and offering the Master of Education degree in a number of fields, was expanded last fall to include the Master of Arts and Master of Science degrees in several disciplines.

West Chester has expanded into North Campus and South Campus, where the new facilities of the School of Health and Physical Education are rapidly taking shape. The widened educational resources of the College include the new Francis Harvey Green Library, with approximately 180,000 volumes; a Learning Research Center, housing a modern laboratory school and a computer center; and the Schmucker Science Center. Four new high-rise residence halls are in use and more are in process. The new Lawrence Center provides dining halls and other student facilities.

The total program at West Chester is comprehensive and designed to satisfy the intellectual, physical, and spiritual needs of all students. A wide span of extracurricular activities affords students opportunities to mingle purposefully with their colleagues and faculty, and to seek the fullest expression of their talents and capacities.

Location of the College

The College is in West Chester, the county seat of Chester County. With a population of 16,500, West Chester is small enough to have the pleasant aspects of a tree-shaded American town, large enough to contain essential services and the substance of a vigorous community, and old enough to give the student first-hand touch with America's early history.

West Chester was settled largely by members of the Society of Friends in the early years of the eighteenth century. The town retains many charming traces of their culture. Today, West Chester is part of the rapidly growing suburban complex adjoining Philadelphia. Students have abundant opportunities to study local, county, and regional government in an era of dynamic change and growth.

The proximity of Philadelphia (25 miles to the east) and Wilmington (15 miles to the south) puts the libraries, museums, and other cultural and historical resources of the two cities in convenient range. West Chester is near Valley Forge, the Brandywine Battlefield, Longwood Gardens, and other historic attractions of Chester County. The College itself has a rich cultural program, including its All-Star Course, the William Pyle Philips Lecture Foundation series, and the recitals and concerts of its own School of Music.

Degrees Offered

The Bachelor of Science in Education degree is given in four basic curricula—elementary, secondary, music education, and health and physical education—and in one area (speech pathology and audiology) of special education. Degree curricula for public school nurses and dental hygienists are also provided. The College has a program of courses designed to meet certification requirements in the field of safety education and in the special education fields which train for the teaching of mentally retarded and physically handicapped children.

The liberal arts program leads to a Bachelor of Arts degree in arts and letters, social sciences, sciences, mathematics, and music; to the Bachelor of Music; and to the Bachelor of Science in Business Administration.

Program for In-Service Teachers

West Chester also maintains an extensive two-track program for teachers in service. One phase is composed of late-afternoon, evening, and Saturday morning courses for those desiring to satisfy various professional needs, including certification requirements. The second phase is a graduate program.

Admission to West Chester (Academic Year)

Candidates for admission must meet the following requirements:

- 1) Acceptable scholarship as evidenced by graduation from an approved secondary school or equivalent preparation as determined by the Credentials Evaluation Division of the Pennsylvania Department of Public Instruction. All candidates for admission must take the Scholastic Aptitude Test and English Composition Achievement Test of the College Entrance Examination Board.
- 2) Satisfactory character and personality traits as well as proper attitudes and interests as determined by the high school principal, guidance counselor, or other school official acquainted with the student.
- 3) Satisfactory health and physical condition as evidenced by a medical examination by the student's family physician.
- 4) Recommendations of one or more College staff members following a personal interview with the applicant.
- 5) For admission to special curricula, the College may require the candidate to take an appropriate aptitude test in the special field in order to obtain further evidence of ability to succeed.

Admission to the fall or spring semester involves a number of steps, the first of which is the filing of application forms which may be secured from the Office of Admissions.

Housing

The majority of West Chester's undergraduate students live on campus. Upon admission, students who intend to reside at the College will need to make arrangements with the Dean of Men or the Dean of Women for their housing at the earliest opportunity.

Obtaining Catalogues

The Undergraduate Studies catalogue for the academic year may be obtained from the Director of Admissions. Catalogues for Graduate Studies during the academic year and the Graduate Summer Sessions may be obtained from the Office of Graduate Studies.

SUMMARY OF YEARLY COSTS FOR FULL-TIME PENNSYLVANIA STUDENTS

[All fees are subject to change without notice]

All Curricula but Music and Health and Physical Education

<i>a. Students Living on Campus</i>	
Basic Fee	\$350
Student Activities Fee	44
Books (approximately)	100
Room and Board	648
	<hr/>
	\$1,142
 <i>b. Day Students</i>	
Same as above, minus Room and Board	\$494

Health and Physical Education Curriculum

<i>a. Students Living on Campus</i>	
Basic Fee and Special Curriculum Fee	\$386
Student Activities Fee	44
Books (approximately)	100
Room and Board	648
	<hr/>
	\$1,178
 <i>b. Day Students</i>	
Same as above, minus Room and Board	\$530

Music Curricula

<i>a. Students Living on Campus</i>	
Basic Fee and Special Curriculum Fee	\$440
Student Activities Fee	44
Books (approximately)	100
Room and Board	648
	<hr/>
	\$1,232
 <i>b. Day Students</i>	
Same as above, minus Room and Board	\$584

Out-of-State Students

Out-of-state students may calculate a summary of costs by developing the basic fee from the charge of \$25 per semester hour (minimum \$75). If enrolled in music, they will be charged an additional curriculum fee of \$45 per semester. If enrolled in health and physical education, they will have an additional curriculum fee of \$18 per semester.

UNDERGRADUATE CURRICULA OFFERED AT WEST CHESTER

TEACHER EDUCATION

<u>ELEMENTARY EDUCATION</u>	Social Sciences Comprehensive Social Studies	<u>COOPERATIVE DEGREE PROGRAMS FOR:</u>
<u>SECONDARY EDUCATION</u>	History Speech and Theatre	Dental Hygienists Public School Nurses
Comprehensive English Foreign Languages French German Latin Russian Spanish Geography Mathematics Sciences Biology Chemistry Comprehensive Science Earth and Space Science Physics	<u>HEALTH AND PHYSICAL EDUCATION</u> Degree Program Certification Program Education for Safe Living	<u>SPECIAL EDUCATION PROGRAMS</u> Degree Program: Speech Pathology and Audiology Certification Programs: Teaching the Mentally Retarded Teaching the Physi- cally Handicapped
	<u>MUSIC EDUCATION</u>	

ARTS AND SCIENCES

<u>ARTS AND LETTERS</u>	History Political Science Psychology Sociology-Anthropology Social Service and Personnel Work	<u>MATHEMATICS</u> <u>PROGRAMS IN MUSIC</u> B.A. Degree B.Mus. Degree
Art Foreign Languages French German Latin Russian Spanish Literature Philosophy Speech Arts Theatre Arts	<u>BUSINESS ADMINISTRATION</u> <u>SCIENCES</u>	<u>INTERDISCIPLINARY PROGRAMS</u> American Studies Latin-American Studies Russian Studies
<u>SOCIAL SCIENCES</u>	Biology Chemistry Physics	

ACADEMIC CALENDAR 1969-1970

FALL SEMESTER 1969

AUGUST	Friday	1	Last day to qualify for admission
SEPTEMBER	Friday	5	Faculty meetings
	Saturday	6	Registration—part-time students
	Monday	8	Registration—freshmen
	Tuesday	9	Registration—sophomores and seniors
	Wednesday	10	Registration—juniors, full-time transfer, special, and readmission students
	Thursday	11	Classes begin (both part-time and full-time students)
NOVEMBER	Tuesday	25	Thanksgiving recess begins (as classes end)
DECEMBER	Monday	1	Thanksgiving recess ends 4 p.m. for part-time and evening-class students
	Tuesday	2	Thanksgiving recess ends 7:30 a.m. for full-time students
	Monday	8	Pre-scheduling (four-day period) begins. Student Teaching (elementary and secondary) pre-scheduling: 3:30 p.m. this day. Part-time students: 4-7 p.m. this day.
	Monday	15	Last day to qualify for admission, spring semester
	Saturday	20	Christmas recess begins (as classes end)
JANUARY	Monday	5	Christmas recess ends 7:30 a.m.
	Monday	12	Final examinations begin (end January 20)
	Tuesday	20	Fall semester ends

SPRING SEMESTER 1970

JANUARY	Saturday	24	Registration—part-time students
	Monday	26	Registration—freshmen
	Tuesday	27	Registration—sophomores and seniors
	Wednesday	28	Registration—juniors, full-time transfer, special, and readmission students
	Thursday	29	Classes begin (both part-time and full-time students)
MARCH	Saturday	21	Spring-Easter recess begins (as classes end)
	Tuesday	31	Spring-Easter recess ends 7:30 a.m.
MAY	Monday	4	Pre-scheduling (four-day period) begins. Student Teaching (elementary and secondary) pre-scheduling: 3:30 p.m. this day. Part-time students: 4-7 p.m. this day.
	Thursday	14	Final examinations begin (end May 22)
	Saturday	23	Alumni Day
	Sunday	24	Commencement

SUMMER SESSION 1970

June 1 — June 19	Pre Session
June 22 — July 31	Regular Session
August 3 — August 21	Post Session

The College reserves the right to change the Academic Calendar if deemed necessary.

West Chester Undergraduate Summer Sessions

For nearly a century, West Chester has maintained a program of Summer Sessions and has been known to generations of teachers in the College's wide area of service as an ideal place for summer-time study.

West Chester, in 1877, held one of the first pioneering summer sessions for teachers in the nation. The month-long program, offering elocution, industrial drawing, and natural science at a cost of \$30 for board and tuition, proved immensely popular and launched a summer institution that has grown with experience and the expansion of the College.

Today, West Chester has a twelve-week program of Summer Sessions divided into the Pre Session of three weeks, the Regular Session of six weeks, and the Post Session of three weeks. For undergraduate students, the schedule includes courses in both liberal arts and teacher education. For teachers in service, the summer program offers an opportunity to satisfy various professional needs, including certification requirements. A number of special offerings and workshops for in-service teachers are made available each summer.

In 1968, 1,363 attended the Pre Session, 1,821 the Regular Session, and 1,140 the Post Session.

Social and Recreational Program

Summer study at West Chester is pursued under highly favorable conditions. The tree-shaded campus, with its conveniently located buildings, provides a beautiful and restful environment. Various recreational activities include softball, tennis, and swimming. Social hours, when students meet informally with faculty members, are a feature of the Pre and Post Sessions. Philadelphia, with its historic and scenic interest and its full summer program of art, music, and theater, is a distinct attraction. New York and Atlantic City are within easy access, and the famed fountains and beautiful outdoor theater at Longwood Gardens are only a few miles from the campus.

Registration

Registration in any Summer Session does not establish priority or privilege for admission as a student for the regular academic year.

Students who have graduated from high school but never attended college must have permission from the Director of Admissions in order to register in the Summer Sessions. This permission must be secured at least one week in advance of the closing date for pre-registration. Students who have not graduated from high school are not permitted to register in the Summer Sessions.

Procedure. Application for admission to any or all of the Summer Sessions may be made by filling in a pre-registration information form, available from the Director of Admissions. Upon filing the form, a student may consider himself accepted, unless notified otherwise, and he should *report for registration* on the day or days indicated on the Summer Sessions calendar. Since the Summer Sessions are short, it is necessary for students to register at the times indicated. Registration is held in Lawrence Center on the opening day of each Session. (*See Pre-Registration and Registration instructions, pages 17 and 18.*)

Students from Other Colleges

Students from other colleges must file with their pre-registration information form a statement of approval of attendance from the Dean of Instruction of the college they attend. No pre-registration form will be accepted without such a statement.

Fees and Expenses for Summer Sessions

Fees are subject to change without notice. All charges for a session must be paid on the day of registration.

Basic Fee (Pennsylvania Residents)

(Check or money order payable to Commonwealth of Pennsylvania)

\$15 per semester hour of credit.

Minimum Fee for Regular Session: \$45

Minimum Fee for Pre or Post Session: \$22.50

Basic Fee (Out-of-State Students)

\$25 per semester hour of credit.

Minimum Fee for Regular Session: \$75

Minimum Fee for Pre or Post Session: \$37.50

Housing Fee (Room and Meals)

Regular Session: \$108

Pre or Post Session: \$54

No reduction is made for absences of a few days. At the discretion of the President, a student may occupy a double room by paying an additional \$12 for the Regular Session or \$6 for the Pre or Post Sessions.

Charges for separate meals are: breakfast 65¢, lunch 85¢, dinner \$1.25

Special Fee (Health and Physical Education)

In addition to the basic fee, majors in health and physical education pay a special fee as follows:

Regular Session: \$6

Pre or Post Session: \$3

Special Fee (Music)

In addition to the basic fee, students in any of the three music curricula, attending the Regular Session, pay a special fee based on the regular college-semester music fee of \$45.

Rental and Practice Fees for Music Majors

Pipe Organ for Practice

Regular Session: \$12

Pre or Post Session: \$6

Rental of Orchestral Instruments

Regular Session: \$2

Pre or Post Session: \$1

(No charge for piano for practice.)

Private Music Instruction Fee For All Other Curricula

Students in fields other than music who elect private instruction (one hour-long lesson per week) in piano, organ, voice, or an instrument pay an applied music fee of \$45 for the Regular Session. Their rates for practice and rentals are the same as for music majors, except that they are charged for a practice piano as follows:

Regular Session: \$2

Pre or Post Session: \$1

Late Registration Fee

A fee of \$10 is required of students who register after the pre-registration period for any of the three sessions.

Books

Books (available at the College Bookstore) must be purchased. The cost varies, but averages about \$8 per course.

Student Activities Fee

(Check or money order payable to Intracollegiate Governmental Association)

Regular Session: \$3.50

Pre or Post Session: \$1.75

Resident Council Dues (Men)

(Check or money order payable to Intracollegiate Governmental Association)

Dues of \$1 are charged men students living in residence halls during the Regular Session (50¢ for the Pre or Post Session).

General Information

Housing

Adequate housing is available for all men and women students for the three Summer Sessions. The College is unable, however, to provide housing for married students. After a student has filed an application for admission to the Summer Sessions, and provided he intends to be a resident student, he should make written application for room reservations, either to the Dean of Women or the Dean of Men, at least one week prior to the opening of a Session. Rooms may be occupied after 2 p.m. on the Sunday preceding each Session.

Placement

The Placement Service of the College offers excellent opportunities for employment in teaching and other careers. Graduates and graduating seniors are invited to make use of this service without cost. Counseling in career planning is offered to all students.

Opportunities for Employment and Loans

Opportunities to work on campus or in the community are available, through the Director of Financial Aid to Students. Full information concerning student loans may be found in the Undergraduate Studies catalogue.

Academic Information

Credits

Credits for the summer sessions may be earned at the rate of one semester hour per week of work. Thus, a student attending all three sessions may earn twelve credits.

Students are not permitted to carry more than six semester hours of work in the Regular Session unless permission to do so has been secured in advance from the Dean of Undergraduate Studies.

Pre-admission Policy

Not more than nine semester hours of course work may be completed at West Chester prior to formal admission to a program. To qualify for admission to a program, a student must earn a minimum cumulative grade-point average of 2.00 in the pre-admission courses. A transcript from an approved secondary school, or equivalent preparation as approved by the Pennsylvania Department of Public Instruction, must be filed in the Office of Admissions. The student must apply for admission in the Office of Admissions.

Reinstatement to Fall Semester

If a West Chester student does not attain the required scholastic index by the end of the spring semester, he may attend summer sessions at West Chester in order to improve his academic average. If he does not attain the required scholastic index by the end of the Regular Summer Session, he is dismissed from the College. If he achieves the required scholastic index, he will be notified by letter from the Office of Undergraduate Studies. He will not need to apply for readmission through the Office of Admissions.

Academic Dismissal

The recommendations of the department chairman concerned and the Dean of Women or the Dean of Men will be considered when the question of a student's dismissal for academic reasons is under study.

Any student dismissed twice for academic reasons automatically terminates his degree candidacy at West Chester. Any courses taken as a non-degree student, following a second academic dismissal, shall not be included in his grade average, nor imply the right to readmission to the College.

Withdrawal

- 1) All withdrawals from class must be initiated by the student, who must report his intention to withdraw to his instructor.
- 2) A student may officially withdraw from a course without academic penalty after two class meetings in the Pre and Post Sessions, and after one week in the Regular Session. (However, either the legal minimum forfeit of \$10, or the pro-rated charge for one week, will apply.)
- 3) A student who finds it necessary to withdraw must file a letter with the Office of Undergraduate Studies giving the date of last class attendance and the reason for withdrawal.
- 4) If a student withdraws without following the official procedures, his registration is continued until the end of the summer session, and he will receive an F grade in the course or courses pursued.

Intern Teaching Program

An intern program is available for persons with a college degree who seek teacher certification. Although the program is generally undertaken during a fall or spring semester, it is possible to arrange to begin during a summer period. Candidates—including those pursuing a graduate program toward a higher degree—must apply to the Office of Undergraduate Studies. To be accepted as an intern, a candidate must be enrolled in a certification program at West Chester. The intern teaching is completed as twelve credits of undergraduate work. Intern candidates must secure their own positions

in an elementary or secondary school in which West Chester State College provides supervision. All required professional education courses must be completed before intern teaching is undertaken.

Provisional College Certificate

A student who satisfactorily completes one of the teacher education curricula offered by the College receives his degree from the College and qualifies for a Provisional College Certificate which is issued to him by the Department of Public Instruction, Harrisburg.

In the elementary field this certificate qualifies the holder to teach in the elementary schools of Pennsylvania for three years.

In the secondary field this certificate qualifies the holder to teach the subjects written thereupon in the secondary schools of Pennsylvania for three years.

In health and physical education, music education, foreign languages, and the concentration in speech pathology and audiology, the certificate qualifies the holder to teach the specified subject in both the elementary and secondary schools of Pennsylvania for three years.

Permanent College Certificate

The Permanent College Certificate requires three years of successful teaching in the public schools of Pennsylvania under the Provisional College Certificate and the satisfactory completion of 24 semester hours of additional work of collegiate grade, completed subsequent to the issuance of the baccalaureate degree. One-half of the additional work must be professional in character and the remainder related to the subject field on the certificate. This certificate is a permanent license to teach in Pennsylvania. When prepared for the Permanent Certificate, teachers may obtain the necessary application instructions from superintendents of schools or county superintendents of schools.

Extension of College Certificates

(1) A college certificate valid for the secondary field may be extended to include the elementary field by completing 24 semester hours of approved courses in the field of elementary education, distributed as follows: a course in the teaching of reading, the remainder

selected from a minimum of four of the following areas: mathematics, arts and crafts, music, health and physical education, language arts, sciences, social studies, geography, mental hygiene, or a course dealing with exceptional children.

(2) A college certificate valid for the elementary field may be extended to include any subject of the secondary field by completing the College's field requirement for it, and the related methods course.

(3) A college certificate valid for the secondary field may be extended to include additional academic subjects by completing the College's field requirements for them. (See Undergraduate Studies catalogue for further information.)

Citizenship Requirement for Teachers

To be eligible for a teacher's certificate in Pennsylvania, a student must be a citizen of the United States. Exception is made for foreign languages, which citizens of other countries may be certified to teach on a provisional (three-year) basis.

Certification in Other States

Concerning requirements for certification for teaching in other states, students may consult the Dean of Undergraduate Studies.

College Regulations

The regulations which pertain to student procedure and conduct during the academic year at West Chester are also in effect for Summer Sessions.

Enrollment

Courses offered for the Summer Sessions are contingent upon an adequate enrollment.

Summer Graduation

Students who anticipate graduation at the end of any of the 1969 Summer Sessions are urged to attend commencement exercises in May of 1969.

It is the student's responsibility to notify the Office of Undergraduate Studies of his anticipated graduation. The student must see that his name, written as he wishes, is placed upon the list of prospective graduates. He does so at the Office of Undergraduate Studies.

Class Meetings and Periods

In each of the three Summer Sessions, classes will be held on all weekdays except Saturdays.

The class-absence policy for the academic year applies to the Summer Sessions.

PRE AND POST SESSIONS. After registration day, each class meets twice daily, 8-9:30 a.m. and 10:30-12 Noon. The hour from 9:30-10:30 is for rest, library work, or recreation. It is not possible for a student to carry more than one course during either the Pre or Post Session since all courses meet concurrently.

REGULAR SESSION. Classes begin on Tuesday and meet once daily (unless otherwise indicated) at the following times:

First Period	8-9:30 a.m.
Second Period	9:30-11
Third Period	11-12:30
Fourth Period	12:30-1:30
Fifth Period	1:30-3

The time and days of classes are subject to change by administrative decision.

Pre-Registration and Registration

PRE-REGISTRATION INSTRUCTIONS

All prospective Summer Session students must fill out the Pre-Registration Information card which is enclosed in this catalogue. Please give the information requested, as well as the courses desired. Return this card to the Office of Admissions.

Pre-registration for the Pre, Regular, and Post Sessions will terminate the *Monday prior* to the General Registration and Payment dates of June 2 (Pre), June 23 (Regular), and August 4 (Post). Students who fail to furnish Pre-Registration Information forms to the College by the pre-registration deadline will be subject to a late pre-registration fee of \$10. There will be a change-of-course fee of \$5 on registration day for any change of course made after pre-registering. *All Summer Session fees are due and payable on the General Registration dates.*

REGISTRATION INSTRUCTIONS FOR 1969 UNDERGRADUATE SUMMER SESSIONS

Place of registration: Lawrence Center

Proceed from station to station in order shown

Station I. Foyer

1. Secure calendar for session you will attend.
2. Secure classroom assignment sheet of session you will attend.

Station II. Northeast Dining Room

1. When you enter, secure class permits and registration forms.
2. Undergraduate Table—Change of Course or Late Registration
 - a) If you wish to change or drop a course, report here.
 - b) If you have not pre-registered, report here.

3. Scheduling and Academic Records Table
 - a) If you are a senior planning to graduate in August, 1969, sign here for diplomas and secure applications for Provisional Teacher Certification. (Please designate graduation date as Pre, Regular, or Post Session.)
 - b) If you receive Veterans' benefits, secure form here.
 - c) If you wish to have credits transferred to another college, secure special form here.
4. Fill out your registration cards at designated writing tables.
5. Dean of Men's and Dean of Women's Table
 - a) Mark your status (resident or commuting).
 - b) If you are a resident student, obtain your room assignment and write it on your registration form. (Note that all resident students must take their meals in the College dining hall.)
 - c) If you are a resident student who wishes to have a car on campus, obtain approval to do so from Dean of Men or Dean of Women.
6. Checking Table
 - a) Registration cards will be checked here for accuracy and collected. When you leave, you should have your permit-to-attend-class card and your white pre-registration form.

Station III. Northwest Dining Room

1. Pay basic fee and room-and-board fee.
2. Have your permit cards stamped by the Business Office. *These cards must be submitted to your professors for admission to classes.*
3. Automobile Regulations Station
 - a) Obtain automobile decals here. (This applies to both commuting and resident students. Resident students must show their Dean's approval to drive on campus—see 5-c above.)
4. Student Activities Fee Table
 - a) Pay your student activities fee. Please have your check made out, ready to submit. Make it payable to "Intra-collegiate Governmental Association." Fees are \$1.75 for Pre or Post Session and \$3.50 for Regular Session.

Pre Session

Monday, June 2
through
Friday, June 20

Each class meets 8-9:30 a.m. and 10:30-12 Noon

See Undergraduate Studies catalogue for course descriptions. All course listings are correlated with the 1968-1969 edition of the catalogue. In a few instances, minor revisions in course titles appear in the 1969-1970 edition.

Offerings listed are contingent upon sufficient enrollment.

DIVISION OF ARTS AND LETTERS COLLEGE OF ARTS AND SCIENCES

Art

Art	101	Fine Arts (Art)	3
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English

Eng	101	English Composition I	3
Lit	121	General Literature I	3
Lit	223	American Literature I	3
Lit	225	English Literature I	3
Lit	333	Shakespeare I	3
Lit	350	Children's Literature	3

Philosophy

Phi	280	Introduction to Philosophy	3
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Speech

Sph	103	Discussion	3
Sph	105	Voice and Diction	3

DIVISION OF SCIENCES AND MATHEMATICS COLLEGE OF ARTS AND SCIENCES

Biology

Bio	100	Basic Biological Science	4
		(Lab 1:00 to 3:00 Tues. and Thurs.)	
Bio	242	Ornithology	3
Bio	261	Human Anatomy	4
		(Lab 1:00 to 3:00 Mon. through Thurs.)	
Bio	301	Genetics	3
		(Lab 1:00 to 3:00 Tues. and Thurs.)	

Chemistry

Che	100	Principles of Chemistry	4
		(Lab 1:00 to 3:00 Mon. through Thurs.)	

Mathematics

Mat	101	Introduction to College Mathematics I (01) (Elementary Majors Only)	3
Mat	101	Introduction to College Mathematics I (02) (Majors other than Elementary)	3
Mat	141	Analytic Geometry and Calculus I	3
Mat	351	Teaching Mathematics in Elementary Schools	3

Physics

Sci	150	Basic Physical Science (Lab 1:00 to 3:00 Mon. through Thurs.)	4
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Public School Nursing

PSN	300	Public School Nursing (4:30 to 6:30)	2
PSN	306	Prevention and Control of Communicable Diseases (7:00 to 10:00 p.m.)	3

DIVISION OF SOCIAL SCIENCES COLLEGE OF ARTS AND SCIENCES

Anthropology

Ant	231	Introduction to Anthropology	3
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Economics

Eco	231	Principles of Economics	3
Eco	333	Consumer Economics	3

Geography

Geo	101	World Geography	3
Geo	304	Geography of Asia	3
Geo	314	Geography of the U. S. and Pennsylvania	3

History

His	101	History of Civilization I	3
His	102	History of Civilization II	3
His	211	History of U.S. and Pennsylvania I	3
His	212	History of U.S. and Pennsylvania II	3
His	313	History of Pennsylvania	3

Political Science

PSc	231	American Government	3
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Psychology

Psy	100	Introduction to Psychology	3
Psy	352	Child and Adolescent Psychology	3

Sociology

Soc	231	Introduction to Sociology	3
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SCHOOL OF EDUCATION

EdA	344	Problems in Special Education (7 p.m.)	2
EdE	401	Current Trends in Elementary Education	3
EdF	100	School and Society	3
EdM	300	Audio-Visual Education (01)	2
EdM	300	Audio-Visual Education (02)	2
EdM	300	Audio-Visual Education (03)	2
EdP	250	Psychology of Learning and Development (01)	3
EdP	250	Psychology of Learning and Development (02)	3
EdU	360	The Culturally Disadvantaged Child (7 p.m.)	3

SCHOOL OF HEALTH AND PHYSICAL EDUCATION

PEd	331	Aquatic Leadership (7 p.m.)	2
PEd	361	Tests, Measurements, and Statistics in Health and Physical Education (7 p.m.)	3
PEd	390	Physical Disabilities of Childhood (7 p.m.)	2
PEd	481	Introduction to Safety Education (7 p.m.)	3

SCHOOL OF MUSIC

Mus	121	Fine Arts (Music)	3
Mus	231	Music for the Primary Grades	3
Mus	321	Music in Western Civilization II	3

(Described as Mus 221 in 1968-1969 Undergraduate Studies
catalogue)

Regular Session

Monday, June 23
through
Friday, August 1

Classes meet daily, Monday through Friday, unless otherwise indicated

No classes Friday, July 4. *Make-up Day: Saturday, June 28*

See Undergraduate Studies catalogue for course descriptions. All course listings are correlated with the 1968-1969 edition of the catalogue. In a few instances, minor revisions in course titles appear in the 1969-1970 edition.

Offerings listed are contingent upon sufficient enrollment.

DIVISION OF ARTS AND LETTERS COLLEGE OF ARTS AND SCIENCES

Art

8:00-9:30 a.m.

Art 101	Fine Arts [Art] (01)	3
Art 201	Arts and Crafts	3
Art 220	Principles of Design	3
Art 320	Drawing	3

9:30-11:00 a.m.

Art 202	Art for the Elementary Grades	3
Art 310	Sculpture I	3
Art 401	Aesthetics: Contemporary Art Forms	3

11:00 a.m.-12:30 p.m.

Art 101	Fine Arts (02)	3
Art 301	Oil Painting I	3
Art 403	Primitive Art	3

English

8:00-9:30 a.m.

Eng 101	English Composition I (01)	3
Eng 102	English Composition II (01)	3
Eng 313	Advanced Writing	3
Lit 121	General Literature I (01)	3
Lit 122	General Literature II (01)	3
Lit 225	English Literature I	3
Lit 353	Reading Interests of Secondary School Students	3

9:30-11:00 a.m.

Eng 000	English Composition [Remedial] (01)	0
Eng 101	English Composition I (02)	3
Eng 314	History of Language	3
Eng 315	Advanced Grammar	3
Eng 316	Teaching English in Secondary Schools	3
Lit 121	General Literature I (02)	3
Lit 224	American Literature II	3
Lit 348	Short Story	3
Lit 350	Children's Literature	3

11:00 a.m.-12:30 p.m.

Eng 000	English Composition [Remedial] (02)	0
Eng 102	English Composition II (02)	3
Eng 319	Linguistics	3
Lit 122	General Literature II (02)	3
Lit 127	General Literature II (Arts & Letters and English Majors)	3
Lit 226	English Literature II	3
Lit 334	Shakespeare II	3

Foreign Languages**8:00-9:30 a.m.**

Fre 101	Elementary French I	3
Ger 101	Elementary German I	3
Spa 101	Elementary Spanish I	3

9:30-11:00 a.m.

Fre 201	Intermediate French I	3
Ger 201	Intermediate German I	3
Spa 201	Intermediate Spanish I	3

Philosophy**8:00-9:30 a.m.**

Phi 280	Introduction to Philosophy (01)	3
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9:30-11:00 a.m.

Phi 280	Introduction to Philosophy (02)	3
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11:00 a.m.-12:30 p.m.

Phi 490	Logic	3
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Speech and Theatre**8:00-9:30 a.m.**

Sph 101	Fundamentals of Speaking (01)	2
SpS 302	Speech and Language Development	3

9:30-11:00 a.m.

Sph 101	Fundamentals of Speaking (02)	2
ThA 206	Theatre Production for Young People	3
SpS 201	Introduction to Speech Problems	3

11:00 a.m.-12:30 p.m.

Sph 101	Fundamentals of Speaking (03)	2
ThA 105	Interpretive Reading	3

**DIVISION OF SCIENCES AND MATHEMATICS
COLLEGE OF ARTS AND SCIENCES**

Biology**8:00-9:30 a.m.**

Bio 141	Zoology I	4
	(Lab 1:00 to 3:00 Mon. and Wed.)	
Bio 262	Human Physiology	4
	(Lab 1:00 to 3:00 Tues. and Thurs.)	

9:30-11:00 a.m.

Bio 100	Basic Biological Science	4
	(Lab 1:00 to 3:00 Tues. and Thurs.)	

Chemistry**8:00-9:30 a.m.**

Che 100	Principles of Chemistry	4
	(Lab 1:00 to 3:00 Tues. and Thurs.)	

9:30-11:00 a.m.

Che 103*	General Chemistry I (June 23 to July 18)	4
	(Lab 12:30 to 3:30 Mon. thru Thurs.)	
Che 104*	General Chemistry II (July 21 to August 15)	4
	(Lab 12:30 to 3:30 Mon. thru Thurs.)	
Che 231*	Organic Chemistry I (June 23 to July 18)	4
	(Lab 12:30 to 3:30 Mon. thru Thurs.)	
Che 232*	Organic Chemistry II (July 21 to August 15)	4
	(Lab 12:30 to 3:30 Mon. thru Thurs.)	

Mathematics**8:00-9:30 a.m.**

Mat 101	Introduction to College Mathematics I (01)	3
	(Other than Elementary Majors)	
Mat 105	College Algebra and Trigonometry	3
Mat 106	Foundations of Mathematics	3
Mat 311	Algebra for Elementary Teachers	3

* Students may enroll for General Chemistry I and II or Organic Chemistry I and II only—full load.

9:30-11:00 a.m.

Mat 101	Introduction to College Mathematics I (02)	3
	(Elementary majors)	
Mat 142	Analytic Geometry and Calculus II	3
Mat 411	Modern Algebra I	3
CSc 101	Computer Programming	3

11:00 a.m.-12:30 p.m.

Mat 211	Linear Algebra	3
Mat 241	Analytic Geometry and Calculus III	3
Mat 351	Teaching Mathematics in Elementary Schools	3

Physics**8:00-9:30 a.m.**

Sci 250	Science for the Elementary Grades (01)	3
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8:00 a.m.-12:30 p.m.

Phy 103	General Physics I (June 23 through July 18)	4
Phy 104	General Physics II (July 21 through August 15)	4
	(General Physics I and II do not meet requirements for physics and mathematics majors)	

9:30-11:00 a.m.

Phy 330	General Astronomy	3
Sci 250	Science for the Elementary Grades (02)	3
Sci 350	Teaching Science in Secondary Schools	3

11:00 a.m.-12:30 p.m.

Sci 150	Basic Physical Science	4
	(Lab 1:00 to 3:00 Mon. and Thurs.)	

Public School Nursing**9:30-11:00 a.m.**

PSN 302	Public Health Nursing I	3
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**DIVISION OF SOCIAL SCIENCES
COLLEGE OF ARTS AND SCIENCES****Anthropology****11:00 a.m.-12:30 p.m.**

Ant 231	Introduction to Anthropology	3
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Economics**8:00-9:30 a.m.**

Eco 231	Principles of Economics	3
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11:00 a.m.-12:30 p.m.

Eco 334	Industrial Relations	3
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Geography

8:00-9:30 a.m.

Geo 200	Geography of World Cultures	3
Geo 211	Map Appreciation and Interpretation	3

9:30-11:00 a.m.

Geo 101	World Geography	3
Geo 204	Geography of Pennsylvania	3
Geo 310 } Geo 415 }	Combination Geography Field Study Course (9:30-12 Noon)	6

(Geo 310—Geography Field Methods and Geo 415—
Geography Area Field Study. These courses are
designed to complement each other and may not be
taken separately. Students interested in this com-
bination course should contact Mr. Andrew Thompson,
Department of Geography, for early enrollment.)

11:00 a.m.-12:30 p.m.

Geo 307	Geography of the U.S.S.R.	3
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History

8:00-9:30 a.m.

His 101	History of Civilization I (01)	3
His 102	History of Civilization II (01)	3
His 211	History of U.S. and Pennsylvania I (01)	3
His 212	History of U.S. and Pennsylvania II (01)	3
His 315	Economic History of U.S.	3

9:30-11:00 a.m.

His 101	History of Civilization I (02)	3
His 211	History of U.S. and Pennsylvania I (02)	3
His 322	History of South Asia	3

11:00 a.m.-12:30 p.m.

His 102	History of Civilization II (02)	3
His 212	History of U.S. and Pennsylvania II (02)	3
His 332	History of England Since 1688	3

(See 1969-1970 Undergraduate Studies catalogue for
description.)

Political Science

8:00-9:30 a.m.

PSc 231	American Government (01)	3
PSc 339	Elements of Public Administration	3

9:30-11:00 a.m.

PSc 231	American Government (02)	3
PSc 333	International Politics	3

11:00 a.m.-12:30 p.m.

PSc 231	American Government (03)	3
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Psychology

8:00-9:30 a.m.

Psy 100	Introduction to Psychology (01)	3
Psy 243	Psychology of the Mentally Retarded	3
Psy 375	Abnormal Psychology	3

9:30-11:00 a.m.

Psy 370	Mental Hygiene	3
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11:00 a.m.-12:30 p.m.

Psy 100	Introduction to Psychology (02)	3
Psy 354	Social Psychology	3

Social Science

SSc 300	Seminar in Contemporary European Culture (Student European Tour) For information communicate with: Dr. Robert E. Carlson Chairman, Department of History West Chester State College West Chester, Pennsylvania 19380	6
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11:00 a.m.-12:30 p.m.

SSc 332	Teaching Social Studies and Geography in Elementary Schools	3
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Sociology

8:00-9:30 a.m.

Soc 231	Introduction to Sociology	3
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9:30-11:00 a.m.

Soc 335	Racial and Cultural Minorities	3
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11:00 a.m.-12:30 p.m.

Soc 333	The Family	3
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SCHOOL OF EDUCATION

STUDENT TEACHING

EdE 411	Student Teaching [Elementary Majors] (June 23-August 1) <small>(Application should be filed prior to May 1)</small>	6
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8:00-9:30 a.m.

EdE 401	Current Trends in Elementary Education	3
EdE 403	Early Childhood Education I <small>(See 1969-1970 Undergraduate Studies catalogue)</small>	3
EdE 441	Workshop in Elementary Education (8:00 to 11 A.M.) <small>(See course description in this catalogue)</small>	4
EdF 100	School and Society (01)	3
EdM 300	Audio-Visual Education (01)	2
EdM 300	Audio-Visual Education (02)	2
EdP 250	Psychology of Learning and Development (01)	3
EdP 251	Human Development: Childhood	3
EdS 306	Field Experience in Secondary Education	3

9:30-11:00 a.m.

EdE 309	Language Arts (01) 9:30-12:30	6
EdE 309	Language Arts (02) 9:30-12:30	6
EdE 321	Diagnostic and Remedial Reading	3
EdF 100	School and Society (02)	3
EdM 300	Audio-Visual Education (03)	2
EdM 300	Audio-Visual Education (04)	2
EdP 250	Psychology of Learning and Development (02)	3
EdP 351	Evaluation and Measurement (01)	2

11:00 a.m.-12:30 p.m.

EdC 150	Introduction to Guidance and Counseling	3
EdE 317	Oral and Written Expression in the Elementary School <small>(Open only by permission. See Dr. Charlotte E. King, Chairman, Department of Elementary Education)</small>	3
EdE 319	Reading in the Elementary School <small>(Open only by permission. See Dr. Charlotte E. King, Chairman, Department of Elementary Education)</small>	3
EdE 404	Early Childhood Education II <small>(See 1969-1970 Undergraduate Studies catalogue)</small>	3
EdF 100	School and Society (03)	3
EdM 300	Audio-Visual Education (05)	2
EdM 300	Audio-Visual Education (06)	2
EdP 250	Psychology of Learning and Development (03)	3
EdP 351	Evaluation and Measurement (02)	2
EdU 361	Teaching in Urban Schools	3

SCHOOL OF HEALTH AND PHYSICAL EDUCATION

8:00-9:30 a.m.

HEd	150	Health	2
HEd	350	Health for the Elementary Grades	3
HEd	451	Community and School Health Education Workshop	3
(Course will meet first three weeks of Regular Ses- sion—8:30 a.m. to 3:00 p.m. See course description in this catalogue)			
HEd	452	Mental Health Workshop	3
(Workshop will meet second three weeks of Regular Session—8:30 a.m. to 3.00 p.m. See course de- scription in this catalogue)			
PEd	464	Supervised Camping Leadership	3
(Six to eight weeks' attendance at camp, July through August. Apply to Mr. Alvin B. Davis, West Chester State College)			
PEd	483	Psychology of Accident Prevention	3

9:30-11:00 a.m.

HEd	352	Methods and Materials in Health Education	2
PEd	391	Psychology of the Physically Handicapped	3
PEd	482	Driver Education and Training (01)	3
PEd	482	Driver Education and Training (02)	3

11:00 a.m.-12:30 p.m.

HEd	350	Health for the Elementary Grades	3
PEd	463	Principles of Coaching	2

11:30 a.m.-12:30 p.m.

PEd	107	Eurythmics	1
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12:30-1:30 p.m.

PEd	102	Survey of Physical Education II	1
PEd	201	Practice and Theory in Elementary Physical Education	1

SCHOOL OF MUSIC

8:00-9:30 a.m.

Mus	111	Foundations of Music	3
Mus	113	Sight Singing I	3
Mus	213	Sight Singing II	2
Mus	212	Theory of Music III	3
Mus	311	Theory of Music IV	3

9:30-11:00 a.m.

Mus	121	Fine Arts [Music] (01)	3
Mus	221	Music in Western Civilization I <small>(Described as Mus 321 in 1968-1969 Undergraduate Studies catalogue)</small>	3
Mus	231	Music for the Primary Grades	3
Mas	311	Master Class Keyboard (9:30-10:30)	1

11:00 a.m.-12:30 p.m.

Mus	112	Theory of Music I	3
Mus	121	Fine Arts [Music] (02)	3
Mus	211	Theory of Music II	3
Pia	400	Piano Class (Elementary Teachers)	3

11:30 a.m.-12:30 p.m.

SyO	111-412	Symphony Orchestra	½
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2:00-3:00 p.m.

Cho	111-412	Choir	½
ICo	311	Instrumental Conducting	2

3:00-4:00 p.m.

CMB	111-412	Concert Band	½
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By Appointment

Voi	101-422	Voice	1
Pia	101-422	Piano	1
		Instruments	1

Post Session

Monday, August 4
through
Friday, August 22

Each class meets 8:00-9:30 a.m. and 10:30-12 Noon

See Undergraduate Studies catalogue for course descriptions. All course listings are correlated with the 1968-1969 edition of the catalogue. In a few instances, minor revisions in course titles appear in the 1969-1970 edition.

Offerings listed are contingent upon sufficient enrollment.

DIVISION OF ARTS AND LETTERS COLLEGE OF ARTS AND SCIENCES

Art

Art	101	Fine Arts (Art)	3
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English

Eng	000	English Composition (Remedial)	0
Eng	101	English Composition I	3
Lit	121	General Literature I	3
Lit	122	General Literature II	3
Lit	336	The Romantic Movement	3
Lit	343	Contemporary Poetry	3
Lit	350	Children's Literature	3

Foreign Languages

Fre	102	Elementary French II	3
Fre	202	Intermediate French II	3
Ger	102	Elementary German II	3
Ger	202	Intermediate German II	3
Spa	102	Elementary Spanish II	3
Spa	202	Intermediate Spanish II	3

Philosophy

Phi	280	Introduction to Philosophy	3
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Speech

Sph	101	Fundamentals of Speaking	2
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**DIVISION OF SCIENCES AND MATHEMATICS
COLLEGE OF ARTS AND SCIENCES**

Biology

Bio	100	Basic Biological Science (Lab 1:00 to 3:00 Tues and Thurs.)	4
Bio	241	Field Zoology	3

Chemistry

Che	100	Principles of Chemistry (Lab 1:00 to 3:00 Mon. through Thurs.)	4
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Mathematics

Mat	101	Introduction to College Mathematics I (01) (Elementary Majors)	3
Mat	101	Introduction to College Mathematics I (02) (Majors other than Elementary)	3
Mat	102	Introduction to College Mathematics II	3
Mat	105	College Algebra and Trigonometry	3
Mat	351	Teaching Mathematics in Elementary Schools	3

Physics

Sci	150	Basic Physical Science (Lab 1:00 to 3:00 Mon. through Thurs.)	4
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Public School Nursing

PSN	306	Prevention and Control of Communicable Diseases	3
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**DIVISION OF SOCIAL SCIENCES
COLLEGE OF ARTS AND SCIENCES**

Economics

Eco	231	Principles of Economics	3
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Geography

Geo	101	World Geography	3
Geo	207	Geography of Europe	3
Geo	210	Geographic Influences in American History	3
Geo	415	Geography Area Field Study in Hawaii	3

(Students interested in this course should contact Dr. George Langdon of the Geography Department early for details and reservations.)

History

His	101	History of Civilization I	3
His	102	History of Civilization II	3
His	211	History of U.S. and Pennsylvania I	3
His	212	History of U.S. and Pennsylvania II	3

Political Science

PSc	231	American Government	3
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Psychology

Psy	100	Introduction to Psychology	3
Psy	375	Abnormal Psychology	3
Psy	241	Psychology of Exceptional Children	3

Social Science

SSc	332	Teaching Social Studies and Geography in Elementary Schools	3
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Sociology

Soc	231	Introduction to Sociology	3
Soc	338	Criminology	3

SCHOOL OF EDUCATION

EdE	401	Current Trends in Elementary Education	3
EdF	100	School and Society	3
EdM	300	Audio-Visual Education (01)	2
EdM	300	Audio-Visual Education (02)	2
EdM	300	Audio-Visual Education (03)	2
EdP	250	Psychology of Learning and Development (01)	3
EdP	250	Psychology of Learning and Development (02)	3
EdP	351	Evaluation and Measurement	2

SCHOOL OF HEALTH AND PHYSICAL EDUCATION

PEd	455	Applied Physiology	2
PEd	481	Introduction to Safety Education	3
PEd	484	Methods and Materials of Safety Education	3

SCHOOL OF MUSIC

Mus	121	Fine Arts (Music)	3
Mus	231	Music for the Primary Grades	3
Mus	414	Musical Acoustics	3

Summer Workshops and Other Special Offerings

LABORATORY SCHOOL

The Laboratory School in the new Learning Research Center will be open during the Regular Session for the purpose of demonstrating teaching at the elementary level. Experience in elementary student teaching will be available for a limited number of students who file applications early in the spring.

WORKSHOP IN ELEMENTARY EDUCATION (EDe 441)

A workshop in elementary education will be conducted to provide opportunity for study of newer practices in elementary education. Current problems will be shared by the members of the group. Discussions will be led by an experienced coordinator. Master teachers and the facilities of the Laboratory School will be utilized for demonstration and observance. The workshop will meet from 8 a.m. to 11 a.m. during the Regular Session and will carry four semester hours of credit. Students may elect an additional three-credit course. The workshop is open to experienced teachers and college graduates.

SUMMER MUSIC WORKSHOP FOR HIGH SCHOOL MUSICIANS

A summer music workshop for serious musicians of high school age will be held from June 30 to July 25 under the sponsorship of the School of Music. Offerings will include: band, orchestra, chorus, individual lessons, music theory, appreciation, ensembles, and dance band. There will also be master classes in repertoire and literature for studies of voice and piano. Concerts, recitals, and special clinics,

open to the public, will be presented during the workshop. For brochure and application forms write to Mr. Frederick C. Pflieger, Workshop Director, School of Music, West Chester State College, West Chester, Pa. 19380.

Music Workshop Fees: For commuting students (including accident insurance, individual lessons, activities fee, and full workshop privileges), \$70. For resident students (including above plus room and board on campus for four weeks), \$154.

STRING CONFERENCE AND CHAMBER MUSIC WORKSHOP

August 8-17, 1969

The School of Music and the Pennsylvania String Teachers Association will sponsor the Eighth Annual String Conference and Chamber Music Workshop from August 8 to August 17 in Swope Hall. A faculty of renowned string authorities will present master classes for each of the string instruments to both adults and young people. Two youth and one adult string symphony orchestra, conducted by outstanding guest conductors, will be in daily rehearsal, culminating in gala performances at the end of the Conference. Chamber music ensembles will be organized and coached by a distinguished faculty of chamber music experts. Solo literature classes will be presented and directed by master teachers. Guest lecturers and experts in many phases of string teaching and performance will preside over special sessions. The String Conference will embrace complete programs for both adults and youth. For information and application forms write Dr. Constantine Johns, Executive Director of the Conference, School of Music, West Chester State College, West Chester, Pa. 19380.

WORKSHOP IN COMMUNITY AND SCHOOL HEALTH EDUCATION (Hed 451)

The Community and School Health Education Workshop for rural teachers, school nurses, health education specialists, and others engaged in health work will be conducted during the three week period from June 23 to July 11. Three college credits may be earned by students who meet the College admission requirements. No additional courses may be carried by the student during this three-week session. For information contact Mr. Walter E. Funk, Chairman, Health Department, West Chester State College, West Chester, Pa. 19380.

MENTAL HEALTH WORKSHOP (HEd 452)

A Mental Health Workshop will be conducted from July 14 to August 1. Three credits may be earned by students who meet the College admission requirements. No additional courses may be carried by the student during this three-week session. The workshop will attempt to help educators improve their understanding of themselves and their students and will emphasize ways to identify and service students needing help. For information communicate with Mr. Walter E. Funk, West Chester State College, West Chester, Pa. 19380.

A PROGRAM OF INDEPENDENT STUDY AND SUPERVISED FIELD EXPERIENCE IN CAMPING

(PEd 464 Supervised Camping Leadership)

The School of Health and Physical Education offers a program of courses in camp leadership for staff members at children's summer camps. These courses are designed to aid the student's professional growth and knowledge through directed leadership experience with children in the informal atmosphere of the camp. (Six to eight weeks at camp July through August.) Any West Chester student is eligible to participate. If credit is to be applied toward a degree, permission of the adviser should be obtained. With permission from the course instructor, students from other colleges may register. For further information, apply to Mr. Alvin B. Davis, School of Health and Physical Education, West Chester State College, West Chester, Pa. 19380.

STUDENT EUROPEAN TOUR

Each summer the Division of Social Sciences conducts a "Cultural Adventure in Europe." Directed by a member of the Social Sciences faculty, the tour offers six undergraduate credits in history, the social sciences, or arts and letters. The summer tour offers a cross-section of Europe, past and present, through visits to museums, galleries, cathedrals, attendance at operas and music festivals, seminars and lectures by European academicians, and orientation tours of cities. For the 1969 tour, see SSc 300, Seminar in Contemporary European Culture, under course offerings for the Regular Session.



1. ANDERSON HALL
2. BOILER PLANT
3. ADMINISTRATION BUILDING
4. EHINGER GYMNASIUM
5. SITE FOR NEW RESIDENCE HALL
6. MAINTENANCE GARAGE
7. GOSHEN RESIDENCE HALL
8. OLD LIBRARY ANNEX
9. HOLLINGER FIELD HOUSE
10. PARKING
11. KILLINGER RESIDENCE HALL
12. COLLEGE LAUNDRY
13. LAWRENCE CENTER (DINING HALL)
14. FRANCIS HARVEY GREEN LIBRARY
15. PARKING
16. ELECTRIC SUBSTATION
17. McARTHUR RESIDENCE HALL
18. OLD GYMNASIUM
19. OLD MAIN
20. PHILIPS MEMORIAL BUILDING
21. RAMSEY RESIDENCE HALL
22. OLD RECITATION HALL
23. REYNOLDS HALL
24. SCHMUCKER SCIENCE CENTER I
25. SCHMUCKER SCIENCE CENTER II
26. PLAYING FIELD
27. SPECIAL EDUCATION BUILDING
28. SWOPE HALL
29. TENNIS COURTS
30. TYSON RESIDENCE HALL
31. FOOTBALL STAFF OFFICES
32. PHYSICAL EDUCATION RESEARCH CENTER
33. EDUCATIONAL DEVELOPMENT CENTER
34. SPEECH AND HEARING CLINIC
35. SMITH HOUSE
36. PHYSICAL THERAPY CENTER
37. GENERAL STATE AUTHORITY OFFICES
38. PARKING

WEST CHESTER

STATE COLLEGE

NOT SHOWN ON MAP: LEARNING RESEARCH CENTER
 (SOUTHEAST CORNER OF HIGH AND ROSEDALE)

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WEST CHESTER, PENNSYLVANIA 19380

Summer Sessions 1969

Undergraduate Studies

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