

LYCOMING COLLEGE

WILLIAMSPORT, PENNSYLVANIA

CATALOGUE

1964-1965



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*Lycoming is a Christian coeducational
liberal arts and sciences college.*

*It is open to students of all
backgrounds and opinions.*

*It explores all available avenues to truth
and stands firm in the liberal arts tradition
of training the whole person.*

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LYCOMING COLLEGE

Bulletin

WILLIAMSPORT, PENNSYLVANIA 17704

Approved to Grant Baccalaureate Degrees by the
Pennsylvania State Department of Public Instruction

Accrdited by

The Middle States Association of Colleges
and Secondary Schools

The University Senate of The Methodist Church

Member of

Pennsylvania Association of Colleges and Universities

National Association of Schools and Colleges
of The Methodist Church

Association of American Colleges

The National Commission on Accrediting

Catalogue Issue 1964-1965

Register for 1963-1964

LYCOMING COLLEGE BULLETIN

Second-class mail privileges
authorized at Williamsport, Pennsylvania 17704

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April, September, December

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Catalogue Issue

Contents

	<i>Page</i>
THIS IS LYCOMING	
Academic Calendar	8
Purpose and Objectives	10
History	11
Locale	12
Traditions	13
ACADEMIC PROGRAM	
Admissions	18
Standards	22
Degree Programs	24
Curricula	31
FINANCIAL INFORMATION	
Expenses	40
Financial Aid	43
CAMPUS LIFE	
Religious Life	48
Campus Life	48
College Honors	53
College Facilities	55
Programs and Rules	57
Health Services	64
COURSES OF INSTRUCTION	
Course Descriptions	68
COLLEGE PERSONNEL	
Board of Directors	102
Administrative Staff	104
Faculty	105
Medical Staff	113
DEGREES CONFERRED	
Honorary Degrees Conferred	116
Bachelors Degrees Conferred	117
ALUMNI ASSOCIATION	

INDEX

COMMUNICATIONS WITH THE COLLEGE

This Bulletin contains pertinent information relative to the College, its philosophy, programs, policies, regulations and offerings. All students and prospective students are urged to read it carefully and completely.

Inquiries of a specific nature should be addressed as follows:

DEAN OF THE COLLEGE:

Information about faculty and faculty activities.
Academic work of students in College.

TREASURER:

Payment of College bills.
Inquiries concerning expenses.
Scholarships and loan funds for students in College.

DIRECTOR OF DEVELOPMENT:

Gifts or bequests.

ASSISTANT TO THE PRESIDENT:

Alumni information.
Public relations.

DEAN OF STUDENTS:

Questions or problems concerning students' health.
Residence and campus regulations.

REGISTRAR:

Requests for transcripts.
Notices of withdrawal.

DIRECTOR OF ADMISSIONS:

Admission to the freshman class.
Admission with advanced standing.
Financial assistance for entering students.
Re-entry of students to Lycoming College.
Requests for catalogues.

DIRECTOR OF PLACEMENT:

Opportunities for self-help.
Employment while in College.
Employment upon graduation.

Address: LYCOMING COLLEGE, Williamsport, Pennsylvania 17704

Telephone Information: Local Calls 326-1951

DDD 1 plus 326-1951 or

1 plus 717 plus 326-1951

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LEGE

JUNIOR COLLEGE

DE SEMIN

ACADEMY

THIS IS LYCOMING

Academic Calendar

FIRST SEMESTER, 1963-64

September 15, *Sunday*. Freshman Orientation Begins
September 17-18, *Tuesday and Wednesday*. Registration
September 19, *Thursday*. Classes Begin
September 22, *Sunday*. Matriculation Services
October 19, *Saturday*. Homecoming
November 27, *Wednesday*, 12:00 Noon. Thanksgiving Recess Begins
December 2, *Monday*, 8:00 a. m. Classes Resume
December 20, *Friday*, 12:00 Noon. Christmas Recess Begins
January 6, *Monday*, 8:00 a. m. Classes Resume
January 15, *Wednesday*, 5:00 p. m. Reading Period Begins
January 17, *Friday*, 1:30 p. m. Final Examinations Begin
January 31, *Friday*, 5:00 p. m. First Semester Ends

SECOND SEMESTER 1963-64

February 4-5, *Tuesday and Wednesday*. Registration
February 6, *Thursday*, 8:00 a. m. Classes Begin
February 11, *Tuesday*. Mid-Year Convocation
March 20, *Friday*, 5:00 p. m. Easter Recess Begins
March 30, *Monday*, 7:00 p.m. Classes Resume
May 22, *Friday*, 5:00 p. m. Reading Period Begins
May 26, *Tuesday*, 9:00 a. m. Final Examinations Begin
June 5, *Friday*, 5:00 p. m. Second Semester Ends
June 7, *Sunday*. Baccalaureate and Commencement

SUMMER SESSIONS, 1964

FIRST SESSION:

June 15, *Monday*, 8:00 a. m. Registration. 10:30 a. m. Classes Begin
July 10, *Friday*, 12:00 Noon. First Session Ends

SECOND SESSION:

July 13, *Monday*, 8:00 a. m. Registration. 10:30 a. m. Classes Begin
August 7, *Friday*, 12:00 Noon. Second Session Ends

THIRD SESSION:

August 10, *Monday*, 8:00 a. m. Registration. 10:30 a. m. Classes Begin
September 4, *Friday*, 12:00 Noon. Third Session Ends

FIRST SEMESTER 1964-65

September 13, ~~Sunday~~. Freshman Orientation Begins
September 15-16, ~~Tuesday and Wednesday~~. Registration
September 15, ~~Thursday~~. Classes Begin
September 20, ~~Sunday~~. Matriculation Services
October 10, ~~Saturday~~. Homecoming
November 25, ~~Wednesday~~, 12:00 Noon. Thanksgiving Recess Begins
November 30, ~~Monday~~, 8:00 a. m. Classes Resume
December 18, ~~Friday~~, 5:00 p. m. Christmas Recess Begins
January 4, ~~Monday~~, 8:00 a. m. Classes Resume
January 12, ~~Tuesday~~, 5:00 p. m. Reading Period Begins
January 14, ~~Thursday~~, 1:30 p. m. Final Examinations Begin
January 27, ~~Wednesday~~, 5:00 p. m. First Semester Ends

(Sept. 14, Monday)

" Evening Classes Begin

SECOND SEMESTER 1964-65

February 1-2, ~~Monday and Tuesday~~. Registration
February 3, ~~Wednesday~~, 8:00 a. m. Classes Begin
February 9, ~~Tuesday~~. Mid-Year Convocation
April 9, ~~Friday~~, 5:00 p. m. Easter Recess Begins
April 19, ~~Monday~~, 7:00 p. m. Classes Resume
May 19, ~~Wednesday~~, 5:00 p. m. Reading Period Begins
May 22, ~~Saturday~~, 9:00 a. m. Final Examinations Begin
June 4, ~~Friday~~, 5:00 p. m. Second Semester Ends
June 6, ~~Sunday~~. Baccalaureate and Commencement

— Feb. 1, Evening Classes Begin

June 5, Saturday. Alumni Day

SUMMER SESSIONS, 1965

FIRST SESSION:

June 14, ~~Monday~~, 8:00 a. m. Registration; 10:~~00~~ a. m. Classes Begin
July 9, ~~Friday~~, 12:00 Noon. First Session Ends

SECOND SESSION:

July 12, ~~Monday~~, 8:00 a. m. Registration; 10:~~00~~ a. m. Classes Begin
August 6, ~~Friday~~, 12:00 Noon. Second Session Ends

THIRD SESSION:

August 9, ~~Monday~~, 8:00 a. m. Registration; 10:~~00~~ a. m. Classes Begin
September 3, ~~Friday~~, 12:00 Noon. Third Session Ends

Purpose and Objectives

Lycoming College devotes itself to the vocation of humanity: the vocation that enables man to become aware of what it means to love truth, goodness and beauty, by

fostering free inquiry and learning in a curricular experience that provides basic knowledge of the cultural, social and natural world,

developing searching, critical, and creative attitudes of mind, encouraging cultural explorations essential to a free society,

affirming the Christian faith as a valid interpretation of the vocation of humanity,

developing an appreciation for the values of social, mental and physical well-being, and

preparing students for professional and vocational opportunities that may be pursued upon a more humanitarian level because of foundations laid by a strong liberal education.

“Vocation of humanity” suggests that the primary concern of The College is human life and living. We find this concern manifesting itself, in a Christian setting, as an affirmation of the fundamental dignity and worth of all human beings. The entire program of The College is directed toward fulfillment of objectives that seek to fit young men and women for “the living of these days,” in a global society in which the priceless commodity is human life. Lycoming College redefined its educational mission in 1960 by the formulation of the specific objectives above. It now faces the decade ahead with the confidence that man’s best chance for survival lies in wisdom, knowledge, and understanding born of liberal education.

History

While the specific objectives of The College have varied somewhat with the changing years, its purpose of providing educational opportunities for young men and women has remained consistent throughout the 152 years of its history.

Founded in 1812 as Williamsport Academy, it is the oldest educational institution in the city of Williamsport. At first, the Academy served only the young through what are now recognized as the elementary grades. With the advent of public schools in the city, the Academy expanded its curricular offerings to include high school and college preparatory work.

In 1848, under the patronage of The Methodist Episcopal Church, the Academy became Williamsport Dickinson Seminary. The Seminary continued as a private boarding school until 1929 when once again its offerings were expanded to include the first two years of college work. This expansion resulted in a change of the institution's name to Williamsport Dickinson Junior College. During its years as a junior college under President John W. Long, the institution forged a strong academic reputation, strengthened its faculty and expanded its physical plant.

Increasing national demands for higher education following World War II prompted another significant step in the growth of the institution. In 1948, the junior college became Lycoming, a four-year degree-granting college of liberal arts and sciences. The name Lycoming is derived from an Indian word "lacomic" meaning "Great Stream." It is a name that has been common to north central Pennsylvania since colonial times and is an appropriate one for a school whose purpose has been consistently that of educating the area's young men and women. Through fulfillment of its specific objectives, it has been and continues to be an influential voice in the educational, cultural and spiritual development of the entire north central Pennsylvania region.

Locale

Lycoming College is situated upon a slight prominence in downtown Williamsport, Pennsylvania, overlooking the beautiful West Branch Valley of the Susquehanna River. The city has a population of some forty-five thousand who quite generally consider The College one of its finest assets.

Williamsport was once the center of the lumbering industry of the northeastern United States and, while some vestiges of that enterprise remain, the mid-twentieth century finds the city expanding with many widely diversified industries.

The area around Williamsport is famous for its beautiful mountain scenery and fine outdoor recreational facilities. Every year, thousands are attracted to the wooded mountain sides and crystal-clear streams where the outdoor sports, hunting and fishing, are unsurpassed. The city has two large parks, a municipal golf course, tennis courts and numerous playgrounds. Public education is represented by excellent schools both in the city and in the surrounding townships and boroughs. Many cultural opportunities are provided by Lycoming College, the Civic Choir, the Community Arts Festival and the Community Concert Association. Eighty-eight churches representing a number of denominations minister to the spiritual needs of the community.

Within America's industrial Northeast, Williamsport is indeed centrally located. It is approximately two-hundred miles from the major urban centers of the region: Washington, D. C., Baltimore, Philadelphia, New York, Syracuse, Rochester, Buffalo and Pittsburgh. The city is easily accessible by airline, train, bus and automobile. Allegheny, United and Trans World Airlines provide some twenty flights daily with direct passenger service to virtually all Pennsylvania cities as well as New York, Albany, Rochester, Buffalo, Boston, Providence, Cleveland, Detroit and Washington, D. C. The Pennsylvania Railroad offers daily passenger service to Buffalo, Harrisburg, and Washington with connections at Harrisburg to all major cities. Greyhound Bus Lines and Edwards Lakes to Sea System operate daily schedules to all points. U. S. Highways 15 and 220 are routed through the Williamsport area as are State Highways 87, 118, 147, and 287. The new Interstate Highway 80, The Keystone Shortway, will cross the state just a few miles south of Williamsport.

Traditions

The long and enduring history of Lycoming and the attractive geographic setting combine to provide fertile ground for the seeds of enriching expansion, a factor that has become one of the College's major traditions. To be sure, the alumni nostalgically remember "Old Main" and the other buildings, but what seems *most* characteristic of their college is its amazing capacity for growth: growth that continues to meet the demands of our changing society and its evolving culture.

Through more than a century of its history, The College has had the stabilizing influence of The Methodist Church. The evolution of Lycoming from its origins to its present status has been accomplished with the continuous conviction that a Christian philosophy of life is the proper leaven of higher education. Lycoming strives to foster a Christian atmosphere in all aspects of the college program and to stress the development and practice of a Christian way of life.

Lycoming College is owned by the Preacher's Aid Society of The Central Pennsylvania Annual Conference of The Methodist Church. The faculty and students express their religious convictions through membership and participation in the churches of almost thirty Protestant denominations as well as the Roman Catholic and Hebrew faiths. Significant opportunities are offered every student for personal expression of religious faith. Loyalty to the church of one's choice is encouraged.

Lycoming College firmly believes in Christian higher education. One of its major objectives is continuous affirmation of the validity of the Christian faith as a way of life. Fulfillment of this objective is accomplished by the support of a strong Department of Religion. This department was established through the generosity of the late Honorable M. B. Rich, for ten years President of the Board of Directors.

An emphasis upon Christian worship and thought is also offered by the weekly Chapel Program. It brings to the campus outstanding religious leaders who share with the Student Body the best in contemporary religious thinking. Chapel has become a strong tradition on the Lycoming campus. Attendance is required of all students who are enrolled full-time. Students are expected to attend The Chapel on a regularly scheduled basis on at least fourteen occasions throughout any one college year.

During the first few weeks of the second semester, an annual week of *religious emphasis* is held. The week is under the sponsorship of the Religious Life Council. Students and faculty discuss together common problems in some aspect of religious experience with the objective of stimulating enriched interest throughout the campus community.



ACADEMIC PROGRAM

Admissions

Admission to college today is becoming increasingly competitive and undoubtedly it will continue to be so; thus, in this situation, it is for each college to define what its future position will be.

At Lycoming College there is to be an increase in the size of the campus, the addition of new facilities, the continuous improvement of the faculty, and the development of a larger student body. There is no intent to become so large as to lose our identity as a small church-related college, but large enough to provide quality education for an increased number of students.

ADMISSION POLICY

The College Committee on Admissions sets policy and constructs the standard to guide the selection of candidates.

It is the wish of the Committee that, in making selections, emphasis be placed upon academic measures as evidenced by school records and examinations. Strength of character, acceptable social habits, and contributions to school and community are other factors considered by the Committee.

Admission to Lycoming College, in addition to the aforementioned criteria, requires the usual evidence of satisfactory secondary school preparation: graduation from an approved school with 16 academic units including four units of English, and at least two units of one foreign language, two units of science, two of history and two of mathematics.

Cooperative engineering students and mathematics majors must include plane geometry as one of the two units of mathematics. A letter of recommendation from the applicant's private teacher and/or high school music supervisor should accompany the application of music majors.

APPLICATION PROCEDURE

Persons desiring to apply for admission should request official forms from the Director of Admissions.

The Admissions Office compiles a personal file for each applicant and the following items must be submitted before a final decision is made:

1. Application for Admission and secondary school record on forms supplied by the College. A registration fee of \$10.00 must accompany each application. This fee is not refundable.

2. A small recent photograph (approximately 2" x 3") of the applicant.

3. The Scholastic Aptitude Test of the College Entrance Examination Board. Applicants wishing to enter the College in September should arrange to take these examinations no later than February of their senior year. Although not officially a requirement, candidates are encouraged to submit the Writing Sample exercise offered by the College Entrance Examination Board.

Note: The responsibility for arranging to take these examinations rests with the applicant. The Office of Admissions, however, will be glad to advise any applicant on this matter.

4. In addition to the above, candidates are requested to visit the campus and to meet with the Director of Admissions or a representative of the Admissions Office. This conference provides an opportunity for reviewing the candidate's credential file, discussing plans, and answering questions.

SELECTION PROCESS

Admission to Lycoming College is on a competitive basis and should be regarded as selective. Early filing of an application, while encouraged, does not assure admission, because applications will be accepted until a number large enough to assure a reasonable selection has been received.

Candidates who have completed applications before March 1, may expect to hear from the committee sometime after March 15, but before April 1.

Candidates who complete applications after March 1 may expect to hear sometime after April 1. These candidates, even if well qualified (especially in the case of women), might necessarily have to be placed on a waiting list.

EARLY DECISION PLAN

Lycoming College has adopted an Early Decision Plan which will permit the Director of Admissions to notify well qualified candidates at the beginning of their senior year in high school that their admission to the college is assured upon graduation. Further information concerning the Early Decision Plan can be obtained from the Director of Admissions.

ADVANCED PLACEMENT

Incoming freshmen who have achieved satisfactory scores in the standard Advanced Placement Examinations are permitted to enroll in advanced courses on the college level during their freshman year. Such students receive college credit equal to that assigned to the freshman course which is waived. These credits are to be entered upon the students' records without the regular tuition charge. Students who offer satisfactory scores in four or more Advanced Placement Examinations are admitted to The College as sophomores.

ADVANCED STANDING

A limited number of students with advanced standing may be admitted to Lycoming each year. The earliest correspondence should state that an applicant had attended college(s) previously and name the college(s) attended. The determining factors in considering such applicants will be their academic records at the previous college, their field of concentration, and the reasons prompting their desire to transfer. Transfer applicants must show evidence of honorable dismissal from their previous college(s), must submit an official transcript of all work taken at other colleges, and copies of their current catalogues. Upon acceptance, the transfer student should contact the Dean of the College to arrange a schedule of courses for the coming semester. A student admitted with advanced standing is required to complete his last two years at Lycoming in order to qualify for a bachelor's degree. To be awarded a degree, transfer students must satisfy all the College's graduation requirements.

SUMMER ENROLLMENT OF PRE-COLLEGE STUDENTS

By special arrangement, qualified high school students who have completed their sophomore, junior or senior years may be admitted to the College's summer program to take certain courses. Such students will receive college credit for all work that is passed. Courses especially recommended in this program are the college freshman and sophomore courses in foreign languages and mathematics. Admission to the sophomore level courses in these departments would depend upon previous achievement as determined by a qualifying examination administered at the time of registration.

ADMISSION TO SUMMER SESSIONS AND EVENING CLASSES

Persons desiring admission to summer sessions or evening classes should apply to the Director of Admissions. All candidates for degrees must meet the same entrance requirements as those attending regular session day classes.

Applicants who hold degrees from other colleges or universities will be admitted as special students. Such applicants must present written evidence stating the field of concentration, degree, and date conferred.

All other applicants who desire admission to specific courses will be considered on the basis of preparation and experience.

ADMISSIONS OFFICE

The Admissions Office is located on the Campus on the first floor of the Old Main Building. The office is open Monday through Friday from 9 a. m. to 5 p. m., and on Saturday from 9 a. m. until noon. Appointments for interviews may be arranged by writing or calling the office. The telephone number is Williamsport 326-1951, Extension 12.

All applicants are encouraged to visit the Campus to inspect the facilities of the College and, if possible, to meet with someone from the faculty or staff. Visitors, although welcome at anytime, are advised to write or call ahead to plan for an interview.

Standards

GRADUATION REQUIREMENTS

Every degree candidate completes a course of study that consists of passing a minimum of thirty (30) unit courses at least 24 of which shall have been passed with grades of C or better. The candidate also completes a major that consists of passing at least eight (8) unit courses and passes a written comprehensive examination in that major field.

Additional requirements are:

Two years credit in Physical Education to be taken during the first two years.

Chapel Credit for each fall and spring semester of attendance at Lycoming College.

Orientation to college for Freshmen.

All financial obligations incurred at the College must be paid.

The final eight units and at least seven additional units to be offered for a degree must have been taken at Lycoming College except for students in the special curricula involving cooperation with another institution.

When, in the case of any student, the need for consideration of exemptions or waivers of specific requirements arises, all such cases are reviewed by the Faculty Committee on Academic Standing. No petitions for exemptions or waivers of requirements are expected for any graduation requirements save the occasional request for release from the requirement specifying that the final eight units shall be taken at Lycoming College.

GRADING SYSTEM

The College uses the traditional letter system of grading: A B C D F

ACADEMIC HONORS

The Dean's List is issued at the close of each semester in recognition of superior scholarship. Students are admitted to the Dean's List when they have earned at least two A grades and no grade below B from among three or four unit courses taken in any one semester.

Students may be awarded the *Bachelor of Arts Degree with Honors* only when 24 or more unit courses have been taken at Lycoming College.

Bachelor of Arts, *summa cum laude*—all unit courses shall have been passed with grades of A except two which may have been passed with grades of B or one with a grade of C.

Bachelor of Arts, *magna cum laude*—at least one-half of all unit courses shall have been passed with grades of A, the remainder to have been passed with grades of B or equivalent (one A for every C).

Bachelor of Arts, *cum laude*—at least one-fourth of all unit courses shall have been passed with grades of A, the remainder to have been passed with grades of B or equivalent (one A for every C).

High quality scholarship is also recognized by the election of students to membership in *The Schem*, *Gold Key*, *Blue Key* and Phi Alpha Theta.

ACADEMIC STANDING

Freshmen are admitted to sophomore standing when they have passed a minimum of six unit courses, four with grades of C or better.

Sophomores are admitted to junior standing when they have passed a minimum of 14 unit courses, eight with grades of C or better.

Juniors are admitted to senior standing when they have passed a minimum of 22 unit courses, 16 with grades of C or better.

When students are not making satisfactory progress, as described above, within the normal eight (8) semesters of college work, their cases are reviewed by the Faculty Committee on Academic Standing. Continuing unsatisfactory progress shall be just cause for dismissal from college.

The College reserves the right to dismiss any student whose grades are excessively low in any one semester. It also reserves the right to dismiss any student when such dismissal is in the best interests of The College.

CLASS ATTENDANCE

The academic program at Lycoming is based upon the assumption that there is value in class attendance for all students. Individual instructors have the privilege of establishing reasonable absence regulations in any given course. Responsibility for learning and observing these regulations rests with the student.

Degree Programs

BASIC CONCEPTS IN LIBERAL EDUCATION. From among the many valid approaches to fulfillment of collegiate aims and objectives, Lycoming has selected fresh interpretations of some old and honorable concepts: That education is continuous accrual of knowledge and wisdom; that human knowledge of truths has been accrued chiefly by means of investigations into specific areas of possible inquiry; that the traditional liberal arts are the great and fundamental reservoirs of these truths; and that *teacher and students together* provide the best opportunity for transmitting these truths.

DEPARTMENTAL STRUCTURE. In redefining its collegiate character, Lycoming recognizes the validity of cataloguing knowledge into specific categories in order that learning may be transmitted more readily. Courses offered by the College are organized therefore, by departments patterned after the traditional liberal arts and sciences. In many instances, these departments carry the same names as courses taken in the high school. So it is that college students may continue to deepen interests in well-known subjects, but at the same time, they are expected to increase the scope of their intellectual development by electing courses in other departments with less familiar titles.

UNIT COURSE. Lycoming also recognizes the validity of conveying knowledge and wisdom by means of the traditional course offering. It has reinterpreted the traditional course to mean a single unit of academic work consisting of teaching and learning in classroom experiences for approximately four hours each week for a semester. Thus, all courses offered by the College are *unit courses*, each carrying identical credit, each making similar demands in time and effort upon the student. Normally, four unit courses will be elected during any one semester. One unit course may be elected during each of the three four-week summer sessions.

THE MAJOR

New interpretations of the traditional departmental approach to learning involve increasing emphases upon deepened interests and scholastic opportunities in a single department referred to as The Major.

College standards demand that all students pass at least *eight specified unit courses* in the major. Courses numbered 1-8 in most departments will compose the normal sequence of major courses. However, some deviation, with consent of the faculty advisor, will be permitted for exceptional students.

The eight units making up the core of the major program are the suggested minimum. Many students will be satisfied with this minimum, but ample opportunity is provided for the gifted student to probe somewhat more deeply into his major. A series of advanced level courses open only to qualified junior and senior students with consent of the department head or instructor shall be made available in each department offering a major. The specific subjects selected for such advanced studies may be highly diversified, and may take the form of independent study, honors, seminars, fundamental research or small classes informally organized. It is understood that all such courses shall normally be one unit courses.

Selection of a major is entirely at the discretion of the student. The choice is governed by some important factors such as vocational aims, aptitudes and interests. Whatever the reason, the student should, by the close of his freshman year, have selected a major. In some instances, it is possible to defer this decision until the end of the sophomore year but any further postponement is likely to mandate some additional summer work in order to complete the major on schedule.

The number of departments offering majors to Lycoming College students is not extensive. However, all the departments encompassing the great liberal traditions are represented. At least eight unit courses (sufficient for a major) are offered in each subject as follows:

Accounting	Mathematics
Art	Music
Biology	Philosophy
Business Administration	Physics
Chemistry	Political Science
Economics	Psychology
English	Religion
French	Russian
German	Sociology and Anthropology
History	Spanish
International Relations	

Some courses are also offered in subjects in which a major is not available. These courses are normally elective, but in some instances, they may be used to fulfill supporting or distribution course requirements.

Czech	Latin
Education	Law
Geology	Speech
Greek	Statistics
Italian	Theatre

Occasionally, students may be privileged to pursue a kind of academic major that cuts across the more traditional departmental major. Such a program is the major in American Civilization, where students may, with consent of the Chairmen of the History and English departments, organize a course of studies involving advanced work in both departments, supplemented by course elections from other departments that will contribute significantly. Approval to follow majors of this nature must be secured from the faculty committee on instruction.

COURSES SUPPORTING THE MAJOR

The special fields of human inquiry show clear evidence of interdependence. Knowledge in some academic departments may be considerably enhanced by knowledge obtained from another. For example, knowledge of chemistry is unquestionably supported and enhanced by knowledge of fundamental concepts of mathematics. It is for this reason that a student's educational program shall include a number of unit courses from departments other than the major. Counsel of the faculty advisor is always sought in determining which courses will properly support the major.

THE DISTRIBUTION REQUIREMENTS

The major and its supporting courses are inseparably entwined within the heart of Christian liberal education. In some degree, the educational objectives of a college, particularly that of depth in a subject, might be fulfilled by the satisfaction of major and supporting course requirements. But the truly liberally educated Christian has something more than depth in a subject can provide. His aesthetic and literary tastes are cultivated, his perception of the environment is unmasked, his conscience is quickened in the light of the world's problems, his sensitivity to cultural change is honed to a new sharpness, and his awareness of the ethical and religious implications of his personal behavior is deepened. The magnitude of the task suggested by these characteristics places unusual stresses on the educa-

tional program of any Christian liberal arts college. Nevertheless, Lycoming accepts the responsibilities of the challenge. It does so by requiring that students pass at least one year (two unit courses) of collegiate level work in each of the following areas or groups of departments. Courses that meet these *distribution requirements* are selected by the student in consultation with his faculty advisor.

FRESHMAN ENGLISH. All students are required to pass English 1-2, Freshman English. Students who, upon entrance, demonstrate unusual proficiency may have this requirement waived in favor of English 3-4.

FOREIGN LANGUAGE OR MATHEMATICS. All students are required to pass at least one year (two unit courses) of second or third year Foreign Language or Mathematics. This requirement may be met in one of several ways.

Foreign Language. Students electing to take a foreign language may choose from among French, German, Greek, Latin (if offered), Russian or Spanish. Placement at the appropriate course level in the selected language will be determined by the faculty members of the Foreign Language Department. Determination of the appropriate course level is based upon a review of the student's record including high school grades, scores on the College Board Achievement Tests or scores of similar examinations administered by the College.

A prior record of sufficient quality may enable the student to be entered into second or third year courses in a language. In such cases, only one year (two unit courses) is required. A record of insufficient quality, or the absence of any appropriate language on the high school record will cause the student to be entered into a first year language course. In such cases, two years (four unit courses) of one language are required.

Mathematics. Students electing to take mathematics will be placed at appropriate levels of competence according to determinations made by faculty members of the Department of Mathematics. Students who present records of sufficient quality, as determined by College Board Achievement Examinations, and high school grades, may be placed in Mathematics 3 or 4, or Statistics 1-2. In such cases, one year (two unit courses) is required. A record of insufficient quality will cause the student to be entered into Mathematics 1 or 2. In such cases, one and one-half or two years (three or four unit courses) are required.

RELIGION OR PHILOSOPHY. All students are required to pass one year (two unit courses) in *one* of the following: (a) Philosophy, (b) Religion.

FINE ARTS. All students are required to pass one year (two unit courses) in *one* of the following:

- (a) Art. Normally, any two courses in art will satisfy this requirement.
- (b) Literature. Students may elect one year of English Literature, English 3-4, or one year of a Foreign Language chosen from among courses numbered 5-6 or above.
- (c) Music. The basic courses in Music Appreciation, Music 1-2, or Music Theory, Music 3-4 will satisfy this requirement.
- (d) Theatre. Theatre 1-2 will satisfy this requirement. However, students who participate in the Summer Theater Workshop have also satisfied the fine arts requirement. Courses in basic Speech are not applicable toward meeting the requirement in fine arts.

NATURAL SCIENCE. All students are required to pass one year (two unit courses) in *one* of the following: (a) Biology, (b) Chemistry, (c) Geology or (d) Physics.

HISTORY AND SOCIAL SCIENCE. All students are required to pass one year (two unit courses) in *one* of the following: (a) Economics, (b) History, (c) International Relations, (d) Political Science, (e) Psychology or (f) Sociology and Anthropology.

SPECIAL OPPORTUNITIES FOR STUDENTS

The changing nature of American education finds greater emphasis than ever before upon the development of significant opportunities for self-fulfillment among students. Pertinent educational goals demand that every student shall be accorded an opportunity to pursue a program that offers him the best chance to realize his intellectual potential. It is for this reason, that Lycoming has developed a curriculum that allows a maximum flexibility in course selection, especially among those courses that support the major as well as those that effectively meet the requirements of the College's objectives in liberal education. But wide variety in course selection does not always allow as completely individualistic a program as one might wish. Therefore, a variety of special educational opportunities are provided.

STUDIES

INDEPENDENT STUDY. Each department granting a major provides opportunity to students to work independently. Upon consent of the department head, and the instructor, a student may register for courses in independent study. Normally, the opportunity for such study is provided for the better qualified major student who has successfully completed the courses making up the core of his major program. Except under unusual circumstances, registration for the studies course is limited to one unit course during each semester. If a student wishes to elect three or more unit courses in Studies in his total college program, approval of the Faculty Committee on Instruction must be secured. Students who are privileged to elect Independent Study in any department register for courses numbered 3I-32, Studies, with an appropriate title to be entered upon the Student's permanent record.

SEMINAR STUDY. The several departments may from time to time find it possible to organize small classes or seminars for exceptional students interested in subjects or topics not usually a part of the departmental course offerings. Permission to enter Studies of this nature must be secured from the chairman of the student's major department. Except when the study is interdepartmental in nature, registration shall be limited to majors in the department. Occasionally, Visiting Professors, Lecturers or Specialists in Residence will offer such studies courses. Students who are privileged to elect Seminar Study in any department register for courses numbered 3I-32, Studies, with an appropriate title to be entered upon the student's permanent record.

DEPARTMENTAL HONORS. Exceptional students may be invited to participate in an honors course. Usually the honors course involves independent study in one unit course in any one semester, but under special circumstances students may arrange to devote as much as an entire semester or year to independent honors study. In order that a student be privileged to register for three or more unit courses in Honors in his total college program, approval of the Faculty Committee on Instruction must be secured. For each student entering the honors program, a special faculty conference committee will be appointed to direct the study. Members of the student's honors committee will be selected from among the teaching faculty in the student's major department, but may also include visitors from the faculties of other departments when the nature of the study warrants. Students who are privileged to elect Honors register for courses numbered 4I-42.

Honors study is expected to result in the completion of a thesis to be defended in a final oral examination. Successful completion of the course

will cause the designation of honors in the department to be placed upon the permanent record and the commencement program. In the event that the study is not completed successfully, the student shall be re-registered in Studies and given a final grade for the course.

EXTRA-MURAL STUDIES

Full college credit will be allowed for satisfactory completion of academic work in approved studies programs at other institutions. Such programs may be entered into for one semester or one year. Among such approved programs are the following:

WASHINGTON SEMESTER. Upon recommendation of the faculty of the Department of Political Science, students may be permitted to attend the American University, Washington, D. C., for a period of one full semester. The Washington Semester program is intended to provide a first hand acquaintance with various aspects of the nation's capital, as well as an academic experience equivalent to the normal four unit courses. This program is open to selected students who have special interests in Political Science, Law and American Government. Ordinarily, only junior students are eligible.

UNITED NATIONS SEMESTER. Upon recommendation of the faculty of the Departments of History, International Relations, or Political Science, students may be permitted to attend Drew University, Madison, New Jersey, for a period of one full semester. The United Nations Semester is intended to provide a first hand acquaintance with the United Nations, New York City, as well as an academic experience equivalent to the normal four unit courses. This program is open to selected students who have special interests in World History, International Relations, Law and Politics. Ordinarily, only junior students are eligible.

JUNIOR YEAR ABROAD. Under the auspices of approved universities or agencies, a student may be privileged to spend one or two semesters of his junior year in a foreign university. The program has seemed to be especially attractive to students majoring in foreign languages but it is entirely possible for other students to participate. A file on opportunities within the Junior Year Abroad program is available in the Office of the Dean of the College who serves as advisor to the program.

Curricula

PURPOSES OF THE CURRICULA

Courses of study in Lycoming College are designed to fulfill two specific but interrelated purposes. The first is to acquaint the student with the liberal arts heritage of human civilization and the American nation, and the second is to provide him an opportunity to explore from an elementary to an advanced level various fields that may fit him for a life's vocation or direct him toward professional or graduate schools.

The curricula are organized so that the basic purposes may be fulfilled simultaneously within the normal 32 unit courses (eight semesters of college work).

AMERICAN CIVILIZATION MAJOR

Recognizing the rich intellectual heritage associated with the founding and subsequent development of the American nation, the Departments of English and History in Lycoming College have established a combined English-History curriculum which focuses attention upon American civilization. Here the uniqueness of American democracy, cradled and nurtured on this continent, is stressed throughout. In order to achieve the deepest insight into the American scene, both historical and contemporary, the curriculum includes, in addition to those freshman and sophomore history and English requirements, eight unit courses in English and History. Students desiring a thorough background in American civilization in preparation for graduate work, the Christian ministry, civil or foreign service or teaching will find this a most attractive and exciting curriculum.

PREPARATION FOR DENTAL SCHOOL

At least three years of pre-dental study are suggested before entry into a college of dentistry. However, many students prefer to defer their matriculation in a dental college until they have earned a Bachelor of Arts degree. The pre-dental curriculum is organized around the basic courses in biology, chemistry and physics. Electing a major in one of the natural sciences is the usual procedure. The student should consult the catalogue of the college of dentistry to which he expects to apply so that all courses specifically

required by that college of dentistry may be included in his program at Lycoming College. The modern practitioner of dentistry is not just a dentist. He is a human being dealing with other human personalities and as such must be conversant in a great variety of human experiences. For this reason, the pre-dental curriculum will be augmented with courses from many areas of academic work. In addition to the science courses, therefore, the pre-dental student will include in his curriculum courses from the fine arts, humanities and social sciences, as well as a foreign language.

COOPERATIVE CURRICULUM IN ENGINEERING

Consistent with increased attention being given nationally to engineering education, Lycoming College offers a cooperative curriculum combining the manifold advantages of a small liberal arts college with the training to be secured at an engineering school. By arrangement with Bucknell University and The Pennsylvania State University, the College offers a five-year program in which the first three years are spent at Lycoming and the final two at the engineering school. Upon completion of the first year at the engineering school, the student's record will be sent to Lycoming College. If the work is satisfactory, Lycoming College will award the Bachelor of Arts degree. Upon the completion of the five-year program of studies, a Bachelor of Science in Engineering is awarded by the engineering school. Combined programs offer an opportunity for completion of studies in the following areas: Bucknell University: chemical, civil, electrical, or mechanical engineering; The Pennsylvania State University: aeronautical, civil, electrical, industrial, mechanical or sanitary engineering.

Prescribed work at Lycoming includes, in addition to the degree requirements outlined above, courses in chemistry, mathematics and physics. Because the demands of the engineering curricula may differ somewhat, a program of studies at Lycoming College will be designed for each student when his plans as to type of engineering program preferred have been finally fixed. The Director of the Division of Natural Science or a member of the teaching staff in the physical sciences will aid each cooperative engineering student in planning his program.

COOPERATIVE CURRICULUM IN FORESTRY

Lycoming College offers a program for forestry students which combines a strong liberal arts and science background with professional training in forestry at the Duke School of Forestry, Duke University, Durham, North Carolina.

The program as established is of five years' duration. A student electing to pursue this program of study will spend three years at Lycoming where he will meet the liberal arts degree requirements, including such subjects as English, a foreign language, biology, chemistry, physics, mathematics and economics.

Upon satisfactory completion of these three years' work at Lycoming College, the student will apply for admission to the Duke School of Forestry for one summer and two years of training in forestry. At the end of his first year at Duke, his record will be sent to Lycoming College. If the work is satisfactory for this fourth year in college, Lycoming will award the Bachelor of Arts degree. Upon the satisfactory completion of the second year in forestry school, the professional degree, Master of Forestry, will be awarded by Duke University.

PREPARATION FOR LAW SCHOOL

Many colleges of law require a Bachelor of Arts degree for admission. The four-year degree program in pre-law at Lycoming College provides a background for the prospective student of law. Requirements include courses in political science and history, but also specified is a wide range of subject matter designed to acquaint the student with the vast scope of human experience. Students may expect to major in economics, history, political science, or related fields as they prepare for matriculation in law school. Individual programs are tailored to fit the student's needs as well as to meet the specific requirements of the law school to which he applies for admission.

PREPARATION FOR MEDICAL COLLEGE

This curriculum is organized around a solid foundation of the basic courses in biology, chemistry and physics. Pre-medical students usually major in one of the natural sciences. The student should be aware of the specific pre-medical course requirements demanded by the medical college to which he will apply so that all such requirements can be fitted properly into his curriculum at Lycoming College. Consistent with suggestions of the medical colleges, a wide range of subject matter from the humanities, social sciences and fine arts is also to be included in the curriculum. Some students may matriculate in a college of medicine after three years of pre-medical work, but the more normal procedure is to elect four years of pre-medical study and enter the medical college with a Bachelor of Arts degree.

PREPARATION FOR THEOLOGICAL SEMINARY (Christian Ministry)

Young men and women called to the Christian ministry or related vocations will find the pre-ministerial curriculum at Lycoming College an exciting and challenging opportunity. Basic courses specified by the American Association of Theological Schools are virtually identical with the program of courses required for a Bachelor of Arts degree at Lycoming College. Such courses offer a wide range of subject matter presenting many opportunities for the eager pre-ministerial student to acquaint himself with the broad scope of human experience. Preparation for seminary includes earning a Bachelor of Arts degree with a major in one of a variety of fields such as religion, English, history, philosophy and American civilization. So that every student may have a curriculum designed to fit his individual needs, the offerings in the junior and senior year are largely elective. However, the choice of electives will depend upon the specific requirements of the theological school in which the student expects to matriculate.

CURRICULUM IN RELIGION AND RELIGIOUS EDUCATION

Any student desiring extensive study in Biblical history and literature, the historical development of Christianity, and Christian doctrine, may major in religion. A qualified student planning to enter the vocation of religious education should, besides majoring in religion, elect five or six unit courses in prescribed psychology, education, sociology, and church music courses. This program of study, completely within the liberal arts curriculum, is to qualify graduates for work as Educational Assistants, or after graduate study in a theological seminary, as Directors of Christian Education. Interested or prospective students are invited to contact Mr. Neuffer of the Department of Religion for further information concerning the opportunities, responsibilities and requirements of these and other church vocations.

TEACHER EDUCATION

Lycoming College trains teachers for both elementary and secondary education. The program is clearly identified with the liberal arts nature of the College, and hence, no candidate for the profession of teaching is considered apart from the total liberal arts objective. Teacher education candidates meet all general course requirements of the College including a major

in a subject matter field. Professional education requirements are stipulated as follows:

Secondary Education.

Five units of professional education courses including:

- Education 1. Introduction to Education
- Education 2. Educational Psychology
- Education 3. Methods in Secondary Education
- Education 4. Secondary Education—Reading and Related Problems
- Education 8. Practice Teaching—Secondary

Elementary Education.

Ten units of professional and approved liberal education (academic content) courses including:

- Education 1. ⁴ Introduction to Education
- Education 2. ⁴ Educational Psychology
- Education 5. ² Reading Methods and Language Arts
- ~~Education 6. Elementary Methods~~
- Education 7. ⁴ Practice Teaching—Elementary
- Psychology 5. ⁴ Developmental Psychology

*(- 1/2 unit each = 5-1 Reading
5-2 Language Arts)*

and a minimum of four units selected from at least 4 of the following general areas:

Art 2.	Design
Biology 1, 2.	General Biology
English 3-4.	Survey of British Literature
Geology 1.	Physical Geology
History 3-4.	The United States
International Relations 1-2.	World Geography
Mathematics 2.	Topics in Mathematics
Music 3-4.	Music Theory
Political Science 1, 2.	Government of the United States
Psychology 12.	Psychology of the Unusual Child

7-4 1/2 unit
6-1 1/2 unit science
6-2 1/2 unit mathematics
6-3 1/2 unit soc. studies
6-4 1/2 unit

Students may be considered for admission to the teacher education program under the following general terms:

- I. Freshmen and sophomores are not admissible to candidacy nor are they eligible for registration in courses offered by the Education Department.

2. Potential candidates must be approved by the Teacher Education Committee who will evaluate the candidates by personal interview and review of aptitude examinations and academic records.
3. Candidates must receive a satisfactory grade in Education 1. This course will be elected in the Junior Year.

Once admitted to candidacy, the following policies are in effect for students:

1. Attendance at meetings of teacher education societies, clubs, or seminars is strongly recommended. These meetings are oriented toward the stimulation of professional attitudes.
2. Students will elect courses in academic and professional areas according to the demands of the major field.
3. Registration for Education 7 or 8, Practice Teaching, will be permitted only when satisfactory academic performance has been maintained in all courses.

THE BUSINESS ADMINISTRATION CURRICULUM

Lycoming College offers course work in the field of business administration particularly designed for training prospective business leaders. The three areas of specialization are business administration, accounting, and economics. Business is a highly diversified occupation, therefore the curriculum, with the exception of accounting, is not designed to be vocational or narrowly pre-professional. The specific purpose of the accounting major, on the other hand, is to train excellent junior accountants, for the successful execution of this first position upon graduation is, to all accountants, the prime requisite for further professional accomplishment. The purposes of the business administration curriculum are to train and to equip the minds of men and women to recognize and to solve complex problems facing business executives, to develop an appreciation for rigorous analysis, to practice the arts of verbal and written communication, and to expose the developing mind to as wide as possible a range of course work represented by the traditional liberal arts curriculum, to the end that a student becomes truly well educated. Considerable flexibility is permissible within the curriculum and the student is encouraged to pursue course work most rewarding to him. Three years of high school mathematics are recommended for preparation. For specific requirements, refer to individual course areas.

MEDICAL TECHNOLOGY

This curriculum is organized around an academic background of basic science courses in addition to those liberal arts courses listed as requirements for the Bachelor of Arts degree. Three unit courses in biology are required as well as one of mathematics. In chemistry, General Chemistry and Quantitative Analysis are specified. Three or four years are spent in obtaining this academic background; the final year is spent in the medical laboratories of an approved hospital. This will consist of an internship of a full calendar year at a hospital accredited in the Registry of Medical Technologists of the American Society of Clinical Pathologists. The College will give credit for the year when it is informed that the student has successfully passed the examinations given by the Registry of Medical Technologists of the American Society of Clinical Pathologists. An official transcript of studies completed at the hospital must also be submitted by the candidate.



FINANCIAL
INFORMATION

Expenses

GENERAL EXPENSES

In considering the expenses of college, it is well to bear in mind that no student actually pays the full cost of his education. State colleges are enabled to keep the cost of tuition within reasonable limits by grants from the public treasury; independent colleges achieve this by voluntary contributions supplemented by income from their invested endowment funds. At Lycoming College, the tuition fee which each student pays represents only a portion of the total instruction cost. Tuition is kept at the lowest possible level consistent with adequate facilities and competent instruction.

Tuition at Lycoming is \$550.00 per semester, plus certain fees which are listed on the following pages. The room expense for boarding students amounts to \$200.00 per semester except for men living in the Fraternity Residence who are assessed an additional \$25.00. Board is \$225.00 per semester (the academic year comprises two semesters of approximately sixteen weeks each). If, for justifiable reason, it is impossible for a student to eat in the College Dining Room, permission may be given the student to make other arrangements for meals. However, in the event such permission is granted, the room cost will be 50% higher than the above rates. If a student requests the use of a double room as a single room and the room is available, he will be charged 50% more than regular rates.

The tuition charged covers the regular or prescribed course of study which normally comprises four subjects. If a student elects to carry additional courses a charge of \$137.50 per unit course is levied. Additional detailed information will be furnished by the Treasurer's Office upon request.

APPLICATION FEE AND DEPOSIT

All students applying for admission are required to send an application fee of \$10.00 with the application. This charge is to partially defray the costs of processing the application, maintaining academic records and is non-refundable.

After a student is notified that he has been accepted for admission by The College, he is required to make a deposit of \$50.00. This deposit is

evidence of the applicant's good intention to matriculate and is applicable to the general charges of the semester, and is not an extra fee. This deposit is not refundable.

All returning students are required to pay a deposit of \$50.00 on or before April 15 to reserve their place in the student body. This deposit is credited to the student's account, but is not refundable.

BOOKS AND SUPPLIES

A modern book and supply store is conveniently located in the Student Activities Building. Books and supplies are purchased by the individual student. The estimated cost is approximately \$75.00 per year, but will vary somewhat in accordance with the course of study which the student is pursuing. The bookstore is open registration day and daily thereafter.

EXPENSES IN DETAIL PER SEMESTER

RESIDENT STUDENTS (Those living in College Dormitories)

	<i>Per Semester</i>
Comprehensive Fee	\$550.00
Room	200.00
Board	225.00
	<hr/>
Basic cost per semester	\$975.00

NON-RESIDENT STUDENTS (Those not living in College Dormitories)

Comprehensive Fee	\$550.00
	<hr/>
Basic cost per semester	\$550.00

SPECIAL CHARGES

Laboratory Supplies Per Semester: Natural Sciences	\$10.00 to \$30.00
Organ Practice	10.00
Piano Practice	5.00
Practice Teaching	60.00
Late Registration Fee	5.00
Change of Schedule Fee	2.00
Special Examination Fee	5.00
Diplomas	10.00
Transcript Fee (no charge for first transcript)	1.00
Caps and Gowns (rental at prevailing cost)	

The College reserves the right to adjust charges at any time as conditions necessitate.

PAYMENT OF FEES

The basic fees for the semester are due and payable on or before registration day for that semester. Checks or money orders should be payable to Lycoming College. These basic fees are as follows:

Resident Students	\$975.00
Non-Resident Students	\$550.00

Charges for laboratory supplies and additional credit hours will be billed and payable immediately following each registration period.

PARTIAL PAYMENTS

For the convenience of those who find it impossible to follow the schedule of payments as listed, arrangements may be made with the College Treasurer for the monthly payment of college fees. Additional information concerning partial payments may be obtained from the Treasurer or Director of Admissions.

WITHDRAWALS AND REFUNDS

The date on which the Dean of the College approves the student's withdrawal sheet is considered the official date of withdrawal. In the case of minors, the approval of the parent or guardian is required before the withdrawal is approved and before any refund is made.

Room rentals have been fixed on a semester basis. Consequently, students leaving College prior to the ending of a semester will not be entitled to any refund of room rent. Board will be pro-rated by the week over the period of attendance.

Refund of tuition will be made to students who withdraw voluntarily from The College while in good standing and is fixed on the following basis: Students leaving during the first four-week period are charged 30%; during the second four weeks 60%; during the third four weeks, 90%; after twelve weeks, full charge.

Dropping a unit course from the original schedule after the first week of either semester will not justify any claim for refund of tuition charges. Written permission to drop the unit course must be obtained from the Dean's Office. No refund will be made to those students who are asked to withdraw from The College.

Other fees cannot be refunded for any reason whatever.

PENALTY FOR NON-PAYMENT OF FEES

A student will not be registered for courses in a new semester if his account for previous attendance has not been settled.

No grades will be issued, no diploma, transcript of credits, or certification of withdrawal in good standing will be granted to any student until a satisfactory settlement of all obligations has been made.

DAMAGE CHARGES

Wherever possible, damage to dormitory property will be charged to the person or persons directly responsible. Damage and breakage occurring in a room will be the responsibility of students occupying the room.

Halls and bathroom damage will be the responsibility of all students of the section where damage occurs. Actual costs of repairs will be charged.

Financial Aid

A generous program of financial aid for students is designed to recognize outstanding achievement and to supplement limited resources by providing assistance to students in their efforts to obtain a college education. This assistance may take any one, or any combination, of the following forms: (1) Scholarships, (2) Grants-in-aid, (3) Loans, (4) Workshops.

The establishment of need is the controlling factor in determining the amount of the grant or award. To this end, Lycoming uses the College Scholarship Service sponsored by the College Entrance Examination Board. Prescribed forms are furnished by the College upon request.

Scholarships are awarded to the beginning student on the basis of academic achievement as evidenced by the scores on the College Entrance Examination Board tests and a ranking in the first fifth of the high school class. To continue the receipt of the award during succeeding years, a cumulative grade point average of 3.0 plus must be maintained together with satisfactory campus citizenship.

Grants-In-Aid are awarded annually to students on the basis of a demonstrated need. The size of the grant is determined by need and by the promise of becoming beneficial members of The College family and of society.

Ministerial Grants-In-Aid: Financial assistance is available through grants from The Methodist Church to children of ministers and ministerial students. Consideration is also given to families with more than one student at The College.

Loans—Student loans are available from the following sources:

1. Title II of the National Defense Education Act of 1959 (Public Law 85-864).
2. The Methodist Church funds are made available in the form of Methodist Student Loans.
3. The Dr. and Mrs. R. F. Rich Loan and Prize Fund. The income from a capital fund of \$10,000 is available for loan.
4. Donald Robert Ahn Memorial Fund in Music. The principal of the Memorial Fund is available for loans to worthy students who are majoring in music.
5. The Lambda Chi Alpha Loan Fund. Created by the gift of \$500 from Dean and Mrs. William S. Hoffman, the purpose of the fund is to grant loans in small amounts for emergencies where the student is able to show immediate need of financial assistance.
6. The Alumni Loan Fund. A substantial sum is made available from alumni gifts. Awards are made on the basis of need and academic proficiency.

Detailed information concerning the above loans is available upon request.

Workships: Financial assistance is made available to a limited number of students annually in both The College and the city by means of gainful employment. Workships are generally not available for freshmen.



CAMPUS LIFE

Religious Life

The opportunity to develop and practice the Christian philosophy of life is accomplished:

through the Director of Religious Activities, who is a member of the Faculty with teaching responsibilities. He is responsible for co-ordinating the religious activities of the College and provides counseling in the area of religion to students who request his assistance. He serves as Executive Secretary to the Religious Life Council.

through the Religious Life Council, the student organization responsible for co-ordinating religious groups on the campus. It is composed of representatives from all student religious organizations, the Student Government, Faculty, Administration, and the local clergy.

through religious organizations which include the Methodist Student Movement (meeting weekly at the College Church, Pine Street Methodist Church, located at the intersection of Pine Street and Edwin Street) and the John Wesley Club. Other denominational groups include the Canterbury Club (Episcopal), the Presbyterian Fellowship, the Lutheran Student Association, the Roger Williams Club (Baptist), and the United Campus Christian Fellowship (Disciples, E. U. B., and Reformed). Each of these meets regularly to provide members of its faith with the opportunity to participate in activities of common interest.

Campus Life

Lycoming College accepts the responsibility of making every situation in which learning occurs constructive and positive. The College believes that learning is a continuous process that takes place not only in the classroom, but also in every college activity.

The College assumes its responsibility in this area by directing the extra-curricular educational experiences of the students in such a way that these activities contribute to the achievement of the objectives of The College, by complementing the academic life of the campus.

The College considers one of its responsibilities to be the encouragement of as many different activities as are necessary to provide all students with the opportunity to participate constructively in this area of student life. Departmental clubs; athletics, both intercollegiate and intramural; varied interest groups such as denominational clubs, the choir, the band, etc.; social organizations; social activities; self-governing groups; and many informal associations are equally important in a well integrated program of student activities.

Recognizing the need for skilled leadership in our world, The College aims to utilize students in as many of the leadership positions as possible. In doing so, it will give students the opportunity to accept greater responsibilities, and to learn as they participate.

STUDENT GOVERNMENT

Self-government by students in certain areas of campus life is an objective achieved through the Student Government Association of Lycoming College. The Student Council is the legislative body of the Association. The Officers of the Student Government Association are elected from the entire student body. Members of Student Council are elected by classes and certain other organizations.

The Student Council has been delegated authority for certain areas of campus life. The establishment of parking regulations and their enforcement is the responsibility of Student Government. Students are employed by Student Council to serve as enforcement officers. All fines collected for violations are turned over to Student Council to pay for the costs of the registration of automobiles and the enforcement officers.

A Student Court has been established by Student Council to hear cases involving the violation of the parking regulations. This court is also empowered to consider cases referred to it by the Student Union Court or to hear cases on appeal of students from the Student Union Court.

The Student Court is composed of four students appointed by the President of the Student Council with the approval of the Council and the Dean of Students.

A number of standing committees of Student Council are concerned with specific areas of student life. The Social Calendar-Concessions Committee is responsible for approving the scheduling of all social activities by student organizations, and awards concessions to student groups for "fund raising" purposes upon request. The Dining Room Committee is responsible for the dress regulations in the Dining Room and advises the manager in menu planning and other areas of concern.

Homecoming, Winter Week-end and Spring Week-end are major social activities under the sponsorship of Student Council. Each of these week-ends features a major dance with a "name band," along with a full program of activities.

Other governing groups on the campus are the Inter-Fraternity Council, the Men's Dormitory Council, the Women's Dormitory Council, and Associated Women Students. Each operates under limited authority in situations related to its specific area.

SOCIAL AND CULTURAL INFLUENCES

Lycoming aims to give its students every possible opportunity to become familiar with the best social customs and usages. The development of poise and ease in handling oneself in social situations is a major objective in the program of The College. These experiences are provided through the dining room, coffees and receptions, and other social functions.

The Artist and Lecture Series presents several performances of the best obtainable talent in music, drama, the dance, and the lecture. The Series is presented to provide wider cultural experiences than might normally be available to the student. Although the Series is entertaining, its prime objective is to acquaint the student with the arts and the humanities as they are performed on a professional level.

The Student Union of Lycoming College is a unique organization. It is operated by a Board of Students who are selected for membership after they have served at least a year in the apprentice program. Its services to the campus include poster making, publicity, and a travel board. The Student Union Board is responsible for the entire Student Union Program operated in the Student Activities Building. It sponsors dances, lectures, picnics, tours, concerts, inter-collegiate mixers, films, tournaments, recreational activities, dancing, bridge, skiing, and life saving courses, coffee hours, and provides an informal place for students to gather.

Programs presented in the past include Ogden Nash, Carey McWilliams, The Riverside Chamber Singers, the New York Baroque Ensemble, and numerous other lecturers and performers. The Inter-Collegiate Music Competition attracts groups from colleges throughout New England and the Middle Atlantic States. One of the finest gatherings of college musical organizations, it provides two nights of the best college student entertainment available anywhere in the nation. Rapidly growing in stature, groups have moved on to the professional field after winning at the IMC.

A "laboratory for learning" in the truest sense, the Lycoming Student Union offers students a real opportunity to learn while serving the campus.

COLLEGE PUBLICATIONS AND COMMUNICATIONS

There are several official college publications. Each is devoted to a specific area of college life, and is designed to communicate to selected groups of the college constituency.

The Bell, official student newspaper, is published weekly, and is devoted to interests of the student body, reporting current campus events.

The Arrow, college yearbook, is published in May and presents a record of student life during the current academic year.

The Guidepost, published annually by Student Government, is a student handbook of regulations and miscellaneous information. It is designed primarily for new students and is distributed to them prior to their arrival on the campus.

The Alumni Office publishes *The Alumni Bulletin* three times yearly. It is designed to keep the alumni informed of current happenings at the college and on alumni activities. *The Newsletter* is published periodically, between issues of the *Bulletin*.

The Student Bulletin and *The Faculty Bulletin* are published weekly by the office of the Dean of the College. *The Lycoming Library Student Handbook* is published by the Library every September.

The Campus Radio Station, WLCR, broadcasts nightly from 5:00 p.m. until midnight on a wired circuit to Wesley Hall, Rich Hall, both new dormitories, and the Fraternity Residence Hall. The station broadcasts study music, news commentary, sports results, and special programs of interest to the student body.

THE PENNSYLVANIA FOLKLORE SOCIETY

In 1961 Lycoming College became the official headquarters of the Pennsylvania Folklore Society, a scholarly organization founded in 1920 for the purpose of collecting, preserving, and disseminating knowledge about Pennsylvania folklore. The College and the Society publish jointly a quarterly journal, the *Keystone Folklore Quarterly*, which is sent to individual and institutional subscribers throughout the United States and Canada.

CAMPUS CLUBS AND ORGANIZATIONS

A variety of organizations on the campus provides opportunities for social and intellectual growth. These groups are organized and conducted by students in cooperation with faculty sponsors or advisers.

Some of the groups are: The International Relations Club, which is the campus focus for study and discussion of world affairs; the Student Education Association of Pennsylvania, which gives prospective teachers current information on the teaching field and an insight into the problems of education; the Drama Club, which stages a variety of dramatic productions including their own original work; The Varsity Club, composed of lettermen, promotes college spirit in sports; the Pre-Medical Society for pre-professional students in the sciences; the Business Club for students majoring in business administration. The Philosophy Society provides an outlet for all students interested in the informal discussion of philosophic concepts; the French, German, Russian and Spanish Clubs study the language and the life and culture of the countries; and the Associated Women Students sponsor parties and teas for students, faculty and parents.

FRATERNITIES

Five Greek letter groups on the campus provide a means of bringing to men students the advantages of national fraternal organization as well as group housing. They include the Psi Chapter of Kappa Delta Rho, Beta Lambda Chapter of Sigma Pi, Iota Beta Zeta Chapter of Lambda Chi Alpha, Epsilon Beta Chapter of Theta Chi, and the Nu Chapter of Alpha Gamma Upsilon.

The Inter-Fraternity Council coordinates the activities of the fraternities.

College Honors

THE CHIEFTAIN AWARD

The Chieftain Award is given to that senior who, in the opinion of the students and faculty, has contributed the most to Lycoming College through support of school activities; who has a pleasing personality and the ability to get along with his co-workers, both students and faculty; who has evidenced a good moral code; and whose academic rank is in the upper half of his class.

THE SACHEM

The Sachem is an active society of superior junior and senior scholars. Its membership is limited to students who have completed at least four full semesters of academic work at Lycoming College. Election to membership is held annually in September by the members of the society and its faculty advisers. Newly elected members are chosen from among the top-ranking 3% of the junior class and 6% of the senior class.

GOLD KEY AND BLUE KEY

Gold Key and *Blue Key* are freshman scholastic honor societies for women and men respectively. Election to these societies is dependent upon the student's being nominated to the Dean's List during the first semester of the freshman year. Under certain conditions, second semester freshmen and sophomores are also eligible for election.

PHI ALPHA THETA

This national honorary society is for those students interested in history. To be eligible, students must have completed a minimum of four unit courses in history with grades averaging above B.

In addition, a student must have achieved a grade of B or better in two-thirds of his remaining academic courses. The local chapter is Zeta Zeta.

ALPHA PSI OMEGA

This national honorary society is for dramatic students. Worthy students are elected to the fraternity as a reward for their efforts in participating in the plays staged by the Lycoming College Players.

IRUSKA HONOR SOCIETY

No more than seven juniors are selected annually for membership in Iruska, which honors juniors active in extra-curricular activities, who best represent the spirit of campus leadership at Lycoming College, and whose academic rank is in the upper half of their class.

WHO'S WHO IN AMERICAN COLLEGES AND UNIVERSITIES

The students elect members to *Who's Who*. The Senior members are honored by having their names appear in the annual issue of the national publication, *Who's Who Among Students in American Colleges and Universities*. Election is on the basis of academic rank in the upper half of the class, personal character, service to The College, and outstanding leadership in extra-curricular activities.

College Facilities

The facilities at Lycoming College are excellent. It has its Old Main which dates back to pre-Civil War days. However, the majority of the buildings and all the dormitories have been erected since World War II. The College has followed a Georgian Colonial style of architecture in its post-war development.

ACADEMIC

THE JOHN W. LONG LIBRARY: Named in honor of the late Rev. John W. Long, President of the Institution from 1921 to 1955, it was officially opened in October, 1951. The Library contains approximately 51,000 volumes, along with special collections, audio-visual rooms and a small chapel.

THE FINE ARTS BUILDING: Converted from a residential home, this building contains the studios and individual practice rooms for the students enrolled in art and music curricula.

MEMORIAL HALL: Erected in 1947, Memorial Hall was purchased from the U. S. Government. It is used for classrooms and faculty offices.

BRADLEY HALL: Completed in 1895 and named in honor of the Hon. Thomas Bradley of Philadelphia, it housed the library of The College for many years. Bradley Hall is now used for classrooms and faculty offices.

THE SCIENCE BUILDING: Completed in 1956, it is exclusively devoted to scientific studies in the fields of chemistry, physics, biology and geology. Lecture rooms, laboratories, along with appropriate faculty offices are located in the Science Building. In addition, a radio-active isotope laboratory, used for instruction in nuclear technology as related to the natural sciences, is found here.

ADMINISTRATIVE

OLD MAIN: Completed by various stages from 1839 to 1869, this is the original building of The College. As the administrative center it contains the offices of the President, the Dean of the College, the Registrar, the Treasurer, the Director of Admissions and others.

EVELAND HALL: Completed in 1912 and at one time the preministerial

dormitory, it was named in honor of Bishop W. P. Eveland, President of Williamsport Dickinson Seminary from 1905 to 1912. No longer used for residential purposes, Eveland Hall now contains faculty offices and the Civil War Museum.

RECREATIONAL

THE STUDENT ACTIVITIES BUILDING: The student center, completed in 1959, contains dining facilities for 800, Burchfield Lounge, a recreation area, game room, music room, book store and post office. The Board Room, offices of the Dean of Students and Dean of Women, and offices of various student organizations are on the second floor.

GYMNASIUM: This is the athletic center of The College, housing basketball and other courts, swimming pool, bowling alleys, and the administrative offices of the Physical Education Department. Begun in 1923, the present plant will soon be supplemented by new facilities off campus.

RESIDENTIAL

PRESIDENT'S RESIDENCE: Located on the northwest corner of the campus, this house became the President's home in 1940.

RICH HALL: Named in honor of the Rich family of Woolrich, Pennsylvania, this residence currently accommodates 126 women. The College infirmary and the Sara J. Walter lounge for non-resident women are located on the ground floor. Completed in 1948, it marked the first step in the post-war expansion of the College.

WOMEN'S DORMITORY: Completed in 1962, this residence accommodates 126 women.

WESLEY HALL: The oldest men's residence currently in use was completed in 1956. It accommodates 144 students and includes lounges and a recreation area. This building was named in honor of the founder of Methodism.

FRATERNITY RESIDENCE: Completed in 1962, the five chapters of the national fraternities are located in this building. The fraternity units are distinct and self-contained and provide, in addition to dormitory facilities for the brothers, lounges and chapter rooms for each group. The fraternities share with the campus a large social area on the ground floor.

MEN'S DORMITORY: Also completed in 1962, this residence accommodates 154 students.

Programs and Rules

ORIENTATION

A period preceding the opening of the Fall Term is set aside to provide freshmen and transfer students with assistance in making the adjustment to Lycoming College. A special program consisting of placement testing, interviews with faculty counselors, general orientation meetings, formal convocation, registration, and social and recreational activity is prepared. Faculty and selected upperclassmen are present to assist the new student during this period. All new students are required to participate in this program. The schedule is mailed to each freshman and transfer student during the summer.

During the first Fall Semester a new student is on campus, he must complete a course in Orientation, which is required for graduation. This course, meeting weekly for six weeks, covers the various aspects of adjustment to college, study skills, attitudes, and motivation.

FRESHMAN CUSTOMS

Certain traditions and customs have been established for freshmen. They are designed to help the freshmen become acquainted with the history and customs of Lycoming College. Each regulation has a purpose in the development of the individual into a class group which is a part of the total College community. The customs freshmen will be expected to observe are printed in the *Guidepost*.

INTERCOLLEGIATE SPORTS

The College offers an attractive program of intercollegiate athletics and encourages wide participation by its students. It is a member of the National Collegiate Athletic Association, the National Athletic Intercollegiate Association, and the Northern Division of the Middle Atlantic Conference. Lycoming annually meets some of the top-ranking small college teams in the East in athletic competition. Contests are scheduled with other colleges in football, soccer, basketball, wrestling, swimming, baseball, tennis, golf, and track.

INTRAMURAL ATHLETICS

An extensive and diversified program of intramural athletic competition affords opportunity for every student to participate in one or more sports of his own choosing.

Sports for men include touch football, basketball, volleyball, bowling, badminton, table tennis, tennis, softball, golf, wrestling, swimming, horse-shoes, track and field.

Sports for women include competition in basketball, volleyball, bowling, badminton, table tennis, tennis, softball, swimming, field hockey, archery, and rhythmical activities. Field days are arranged with WAA groups of other colleges and universities during the school year.

COUNSELING PROGRAM

An advantage of a small college is the rich experience gained by the close association of students and faculty. In addition to this valuable personal relationship, which affords students the opportunity to discuss various problems with their instructors, Lyeoming has a well-rounded counseling program for its students. Under the direction of the Dean of the College, this program includes areas as represented by the Dean of Students, the Dean of Women, and Faculty Advisers.

The program begins with a personal interview between the Director of Admissions and the candidate for admission. These interviews are sufficient in length to obtain a picture of the student, his background, and his plans for the future. When the student enters the College as a Freshman, he is assigned to a faculty adviser. The new student will meet with this adviser regularly during the year. The Freshman will find his adviser eager to guide and assist in the many problems that confront the new college student. Certain tests will be made available to the students for diagnostic purposes and to assist in advisement. These tests will be offered on a referral basis to those students for whom the need is obvious. Additional counseling is available to the student in the area of academic, personal and emotional adjustment.

PLACEMENT SERVICE

The Placement Bureau maintains a register listing the abilities and major interests of students and recent alumni. Literature from businesses and industrial associations is kept available. Consultations with the Placement Director assist students toward wise selection of a profession. Inter-

views are then scheduled at which students meet and confer with representatives from companies in which they are interested. Lycoming graduates are usually placed before commencement.

There are many diversified businesses in Williamsport. These firms give students at Lycoming splendid opportunities for visits, tours, and conferences. They also afford the student body a variety of part-time jobs during each college session. The Placement Bureau serves as a clearing-house for part-time employment and can usually find work for every student needing it.

PROVISIONS FOR VETERANS

Lycoming is fully approved for the educational program for Veterans under Federal Public Laws 550, 634, and 894.

RESIDENCE

All single students who do not reside at home are required to live in The College resident halls and eat their meals in The College dining room. Special diets cannot be provided. Some male students may be assigned to private homes because of a shortage of space in the resident halls. Exceptions to these regulations can be approved only for the purpose of working for room and/or board or to live with relatives. Requests for exceptions must be submitted in writing to the Dean of Students or the Dean of Women. The petition must include the name of the householder and the address where the student wishes to live.

Members and pledges of social fraternities are required to live in the Fraternity Residence when space is available. All fraternity members eat their meals in The College dining room.

Residents furnish their own linens, towels, blankets, bedspreads, and wastebaskets. Drapes are provided in all women's residences.

Linens, towels and blankets may be rented from the Merit Laundry & Dry Cleaning Co. Information is sent to all resident students concerning this service following their assignment to a room.

WOMEN'S RESIDENCE

Resident women students live either in Rich Hall, Rich House, or the new dormitory for women. Rich House is the honor house for upperclass women. Rich Hall, which was built in 1948, will accommodate 126 women, while the new dormitory will accommodate 126 upperclass women students.

Rooms are arranged in suites of two rooms with two or three students living in each room. Each suite has private bath facilities.

Also located in Rich Hall are the Infirmary, recreation room and television room. Laundry facilities are located in the new women's dormitory. Lounges, telephone switchboard, and the office for the Head Resident are all located on the first floor of Rich Hall.

All resident women students are members of the Resident Women's Association of Lycoming College. They establish standards and regulations for community living and endeavor to assist each new student in her adjustment to living in a college dormitory. All dormitory activities are under the supervision of the Dean of Women.

MEN'S RESIDENCE

All resident men live in Wesley Hall, the Fraternity Residence, and the new dormitory for men. Upperclassmen have priority in assignment of all rooms. Rooms for freshmen are assigned according to the date the room reservation fee of \$50.00 is paid following notification of admission.

All rooms are for double occupancy. Rooms are furnished with a single bed, pillow, a desk, desk chair, and a dresser for each occupant. In Wesley Hall and the new dormitory the furniture is built into the room, except for the bed, and a light is provided over the desk. Window shades are provided in all rooms. It is advisable to wait until after arriving on the campus to purchase drapes and bedspreads, if desired.

DISCIPLINE

The College expects all of its students to accept the responsibility required of citizens in a free democratic society. The rules and regulations of The College are designed to protect the rights of every member of the community against encroachment by individuals. The limitations which are imposed upon the activities of individuals are established for the common good of the entire college community.

Students who are unable to demonstrate that they can accept this responsibility or who are antagonistic to the spirit and general purpose of The College, or who fail to abide by the regulations established by The College may be dismissed or requested to leave The College at any time.

REGULATIONS

Certain regulations have been established by The College. In addition to those published here, specific rules are furnished each student upon matriculation, or are published in the *Guidepost*.

Announcements during the academic year may amend or supplement the catalogue regulations.

ALCOHOLIC BEVERAGES

The position of Lycoming College regarding the use of alcoholic beverages by its campus constituency is based upon the official position of The Methodist Church, which is stated in Paragraph 2022 of the Discipline of The Methodist Church, 1960 edition, and upon the premise that *any* activity not contributing constructively to the development of a mature citizen in the college community is inconsistent with the aims and ideals of The College.

Specific rules and regulations regarding the use of alcoholic beverages are based on the above statement and are consistent with the statutes of the Commonwealth of Pennsylvania in regard to the purchase and use of alcoholic beverages by persons under 21 years of age.

The following situations may result in dismissal from The College or other disciplinary action:

1. The possession and/or use of alcoholic beverages inside any College building, or on College property, including the storage of such beverages in automobiles on the campus.
2. The use of alcoholic beverages by women, regardless of age, while they are resident students of The College and are not under the chaperonage of their parents.
3. Returning to the campus in an intoxicated condition resulting in an inability to control behavior so that it is acceptable at all times.
4. The illegal purchase or consumption of alcoholic beverages by male students of the college under 21 years of age.
5. The provision of alcoholic beverages by legally qualified male student purchasers to students under 21 years of age.
6. The possession and/or use of alcoholic beverages at any social function sponsored by The College or any organization of students, regardless of location.
7. The rental and/or use of non-college facilities where alcoholic beverages are present and/or are consumed by the students present. This includes party rooms, cabin parties, picnics, etc.
8. Any situation resulting in behavior reflecting discredit upon The College which has resulted from the consumption of alcoholic beverages. This includes public intoxication, situations where police are involved, or where public notice is attracted and reported to College officials.

9. Any situation not covered specifically under the above regulations which indicates that the students are deliberately seeking to avoid the responsibility for the violation of regulations by individuals or groups.
10. Any violation of the Liquor Control Act, as amended, of the Commonwealth of Pennsylvania.

These rules and regulations have been formulated for the protection of the reputation and the well-being of The College community. Their observance is expected of every student of Lycoming College. It is assumed that a willingness to observe these regulations is implicit in the acceptance of membership in the Lycoming College community.

AUTOMOBILES

All resident male students classified as freshmen or sophomores, and *all* those resident male students in academic difficulty may not operate or have in their possession in Williamsport, or the surrounding area, motor vehicles of any nature. No resident women students will be permitted to operate or have in their possession in Williamsport or the surrounding area, a motor vehicle of any nature. Exceptions for students needing automobiles for employment purposes may be granted only upon written petition to the Dean of Students.

Parking privileges on the campus are reserved for students, faculty, and staff members who have registered their automobiles and been issued parking stickers for their cars.

FIREARMS

No resident student may keep firearms or ammunition in the place of his residence or stored in an automobile on the campus. Facilities for storing firearms for hunting purposes are available in the Assistant Dean of Men's Office in Wesley Hall.

GAMBLING

The use of money or stakes representing money in card games or other games is prohibited while a student is enrolled at The College.

DORMITORIES

Dormitory students are responsible for the furnishings and the condition of their rooms. Inspection of rooms and their contents is made periodically. Charges will be assessed for damages to rooms and furniture.

Dormitory students are expected to vacate their rooms during the vacation periods when the dormitories are closed and no later than 24 hours following their last examinations except for graduating seniors.

Regulations regarding quiet hours for study are established by the appropriate Dorm Councils and are published in the *Guidepost* and on the dormitory bulletin boards.

MONEY AND VALUABLES

The College accepts no responsibility for loss of valuables due to theft, fire, or other causes. Students may deposit money in the Treasurer's Office. Withdrawals are permitted on Friday afternoons only.

MARRIAGE

Students who change their marital status are requested to notify the Dean of Men or the Dean of Women prior to their marriage.

Married students may not live in The College dormitories. If a woman student marries while a resident student, she must vacate her room in the residence hall immediately.

Health Services

MEDICAL HISTORY AND PHYSICAL EXAMINATION

Each student entering The College is required to submit a medical history record and a physical examination form prior to arriving on the campus. The parent or guardian of each student under 21 years of age must sign the health record which authorizes the College health authorities to give emergency medical treatment according to good medical practice. In the event an operation or other treatment is required for a serious accident or illness, the College Physician will always secure prior parental consent if the circumstances permit.

Exemption from participation in physical activity associated with Physical Education may be granted only by the College Physician. This exemption is based upon the medical history, report of the student's physician, and a physical examination by the College Physician.

INFIRMARY SERVICE

The College maintains an Infirmary which is staffed on a seven-day week, twenty-four-hour day basis with Registered Nurses. The College Physician is on call when needed. Normal medical treatment by the Health Service Staff at the College Infirmary is free of charge. However, special medications, x-rays, surgery, care of major accidents, immunizations, examinations for glasses, physician's calls other than in the Infirmary, and special nursing service, etc., are not included in the Infirmary service which is provided free.

ACCIDENT AND SICKNESS INSURANCE

All resident students are required to purchase the Accident and Sickness Group Insurance plan of The College for the academic year, unless they can present evidence that they are covered under some other health insurance program. Non-resident students may participate in the College Group Insurance Plan on a voluntary basis. If a student becomes ineligible under another plan because of age, he must enter the College Program in the semester in which he loses his other coverage. The Insurance Plan will also be available for a twelve-months' coverage on a voluntary basis for all students. Information concerning the Plan and its benefits will be sent to all students during the summer.



COURSES OF INSTRUCTION

Courses

DIVISIONS

HUMANITIES: Eric V. Sandin, *Director*

Art, Czech, English, French, German, Greek, Latin, Italian, Music, Philosophy, Religion, Russian, Spanish, Speech, Theatre.

SOCIAL SCIENCES: Loring B. Priest, *Director*

History, International Relations, Political Science, Psychology, Sociology and Anthropology.

NATURAL SCIENCES: George S. Shortess, *Director*

Biology, Chemistry, Geology, Mathematics, Physical Education, Physics.

BUSINESS ADMINISTRATION: Robert W. Rabold, *Director*

Accounting, Business Administration, Economics, Law, Statistics.

ACCOUNTING

Associate Professors HOLLENBACK AND RICHMOND

Assistant Professor KING

Part-time Instructors CONEY AND WEHR

The major in accounting consists of a minimum of eight unit courses in accounting.

1-2. **ELEMENTARY ACCOUNTING THEORY.** An introductory course in recording, classifying, summarizing and interpreting the basic business transaction, including accounting for the single proprietorship, partnership and the corporation. Problems of classification and interpretation of accounts, preparation of financial statements, manufacturing and cost accounting. 3 hours lecture and 2 hours laboratory per week. This course is identical with Business I-2.

3-4. **INTERMEDIATE ACCOUNTING THEORY.** Intensive study of accounting statements and analytical procedures with emphasis upon corporation stock and bond accounts. Price-level adjustments, partnerships and joint venture accounting, installment and consignment sales, branch and home office accounting, consolidated statements, and estates and trusts.

Prerequisite, Accounting 1-2.

5-6. **COST AND BUDGETARY ACCOUNTING THEORY.** Methods of accounting for material, labor and factory overhead expenses consumed in manufacturing using job order, process and standard costing. Application of cost accounting and budgeting theory to decision-making in the areas of make or buy, expansion of production and sales, and accounting for control.

Prerequisite, Accounting 3-4, or consent of instructor.

7. **FEDERAL INCOME TAX ACCOUNTING AND PLANNING.** Analysis of the provisions of the Internal Revenue Code relating to income, deductibles, inventories and accounting methods. Practical problems involving determination of income and deductions, capital gains and losses, computation and payment of taxes through withholding at the source and through declaration. Emphasis on planning transactions so that a minimum amount of tax will result.

Prerequisite, Accounting 1-2 and consent of instructor.

8. **AUDITING THEORY AND PRACTICE.** The science of verifying, analyzing and interpreting accounts and reports. An audit project is presented, solved and the author's report is written.

Prerequisite, Accounting 3-4.

9. **FEDERAL INCOME TAX ADMINISTRATION AND PLANNING.** An analysis of the provisions of the Internal Revenue Code relating to partnerships, estates, trusts, and corporations. Social Security taxes and Federal Estate and Gift taxes are also discussed. An extensive series of problems are considered and effective tax planning is emphasized.

Prerequisite, Accounting 7.

10. **GOVERNMENTAL ACCOUNTING AND CONTEMPORARY ACCOUNTING PROBLEMS.** The first half of this course deals with procedures used by municipal, state and federal governments and others using fund accounting, such as colleges and hospitals. The second half is intended to meet the needs of those interested in public accounting and preparation for the Certified Public Accountants Examination. Problems are taken from past C.P.A. examinations and require in their solution a thorough knowledge of the core courses.

Prerequisite, Accounting 5-6.

31-32. **STUDIES.**

41-42. **HONORS.**

ART

Associate Professor CHANDLER (Chairman)

Instructor McCLURG

Part-time Instructor FETTER

The major in Art consists of a balanced program of nine units of history of art and studio courses. Four units must be in art history and theory. In addition to the core courses (1-8) of the major program, the student will elect at least one advanced course in art history.

1. INTRODUCTION TO ART. A consideration of the physical basis of the visual arts, the materials and techniques of architecture, sculpture, painting and the minor arts.

2. DESIGN. An introduction to the basic principles of design. Special emphasis will be given to developing the student's creative ability by means of problems in two-dimensional and three-dimensional design involving line, form, tone, volume, and space. Considerable emphasis will be placed on color. Eight class periods each week.

Students in the elementary education curriculum should elect section 2B. Art majors, not planning to teach, and other students who are interested in design as an elective, should register for section 2A.

3-4. DRAWING I, II. The course is designed to acquaint the students with various drawing media, as he creates drawings of still life, landscape, and figure subjects. Eight class periods each week.

5-6. PAINTING I, II. The purpose of this course is to acquaint the student with various painting media, such as oil, watercolor, and casein. The student will be encouraged to create and develop his own ideas in his search for a suitable technique and method of expressing himself. Eight class periods each week.

7-8. HISTORY OF ART. The development of the visual arts from prehistoric days to the present. First semester; Prehistoric to the Italian Renaissance. Second semester; the Italian Renaissance to Contemporary art.

9. DRAWING III. Continuation of Art 3-4. Eight class periods each week.

10. PAINTING III. Continuation of Art 5-6. Eight class periods each week.

11. CONTEMPORARY ART. The contemporary idiom in the visual arts. Divergent trends as revealed by a study of some of the well-known contemporary artists, their lives, and works. Emphasis on the men who have made a distinct contribution to the origin and development of the new ideas in the field of art today. Films and slides will be used to illustrate the lectures.

12. AMERICAN ART. The visual arts in American life from the seventeenth century to the present, with emphasis on Pennsylvania's contribution to the development of American art. Slides and films will be used to illustrate the lectures. Visits to the local museum and other places of art interest in the area.

13. MEDIEVAL ART. A study of the visual art forms of the medieval period with particular stress on Romanesque and Gothic churches. Assigned readings, films, slides and lectures.

14. GREAT PAINTERS. A detailed study of the works of great painters, such as, Giotto, Botticelli, Raphael, Titian, Tintoretto, El Greco, Dürer, Velasquez, Rembrandt, Watteau, Goya, Renoir, Van Gogh, Picasso.

31-32. STUDIES.

41-42. HONORS.

BIOLOGY

Professors G. S. SHORTESS (*Chairman*), HOWE, AND MOBBERLEY

Assistant Professors KREMER AND L. WILCOX

Instructor STEBBINS

Part-time Instructor M. WILCOX

The major in Biology consists of eight units (courses numbered 1-8) although special consideration in scheduling courses will be given to students preparing for admission to medical and dental schools, and to those students desiring to concentrate in Botany or Zoology.

1. GENERAL BIOLOGY (Botany). An introduction to the principles of biology, including a systematic study of plant types. Three hours lecture and one three-hour laboratory period each week.

2. GENERAL BIOLOGY (Zoology). An introduction to the study of animal types. Three hours lecture and one three-hour laboratory period each week.

3. PLANT ANATOMY. A detailed study of the anatomy of vascular plants with particular emphasis on seed plants. The approach is functional as well as descriptive. Two hours lecture and two three-hour laboratory periods each week.

Prerequisite, Biology 1.

4. COMPARATIVE VERTEBRATE ANATOMY. Deals with the dissection and study of representative vertebrates. Two hours lecture and two three-hour laboratory periods each week.

Prerequisite, Biology 2.

5. ANIMAL PHYSIOLOGY. A study of the physiological processes in animals, especially those that pertain to the human body. Two hours lecture and two two-hour laboratory periods each week.

Prerequisite, Biology 4.

6. PLANT PHYSIOLOGY. A comprehensive introduction to the life processes of plants, including photosynthesis; mineral nutrition, water relations, metabolism, and growth and development. Emphasis is placed on basic principles, but practical implications are considered wherever possible. Two hours lecture and two two-hour laboratory periods each week.

Prerequisite, Biology 1, 3.

7. MICROBIOLOGY. A study of micro-organisms that affect mankind, especially those that cause diseases. Three hours lecture and one two-hour laboratory periods each week.

Prerequisite, Biology 1, 2.

8. GENETICS. The principles of inheritance and their applications to human biology and to the improvement of plants and animals. Three hours lecture and one two-hour laboratory periods each week.

Prerequisite, Biology 1, 2.

9. VERTEBRATE EMBRYOLOGY. A study of the development of vertebrates from the fertilized egg to the fully formed embryo. Two hours lecture and two two-hour laboratory periods each week.

Prerequisite, Biology 2, 4.

10. HISTOLOGY. A study of the cells and tissues of the human body. Two hours lecture and two two-hour laboratory periods each week.

Prerequisite, Biology 2, 4.

11. GENERAL ECOLOGY. Development of basic ecological principles utilizing examples in both the plant and animal kingdoms. Two hours lecture and one four-hour laboratory period each week.

Prerequisite, Biology 4, 6. Biology 12 recommended.

12. PLANT TAXONOMY. Principles of classification of vascular plants. Special emphasis is given to local flora. Laboratory includes investigations into field and herbarium techniques. Two hours lecture and one four-hour laboratory period each week.

Prerequisite, Biology 3.

13. PROTOZOOLOGY. A study of protoplasmic structures and functions with particular emphasis on the protozoa. Two hours lecture and two two-hour laboratory periods each week.

Prerequisite, Biology 1, 2.

14. MYCOLOGY. A study of the morphology of slime molds, phycomycetes, ascomycetes, basidiomycetes, and fungi imperfecti. Two hours lecture and two two-hour laboratory periods each week.

Prerequisite, Biology 1. Biology 7 recommended.

31-32. STUDIES.

41-42. HONORS.

BUSINESS ADMINISTRATION

Associate Professors HOLLENBACK (*Chairman*), AND RICHMOND

Assistant Professor KING

The major in Business Administration is designed to train the student in analytical thinking and verbal and oral communication, in addition to educating him in the principal disciplines of business. To this end, a core of eight courses consisting of Business 1 through Business 8 is required of all majors. Other offerings beyond Business 8 are intended to add depth in areas of special interest to individual students and may be taken as electives. It is strongly urged that all Business Administration majors enroll in Economics 1-2, Law 1-2 and Statistics 1-2.

1-2. ELEMENTARY ACCOUNTING THEORY. An introductory courses in recording, classifying, summarizing and interpreting the basic business transaction, including accounting for the single proprietorship, partnership, and the corporation. Problems of classifica-

tion and interpretation of accounts, preparation of financial statements, manufacturing and cost accounting. 3 hours lecture and 2 hours laboratory per week. This course is identical with Accounting I-2.

3-4. **FINANCIAL MANAGEMENT.** Planning, organization and control of the financial aspects of the firm. Development of financial principles and application to specific situations. Sources and uses of funds, costs of funds, profit determination, expansion, reorganization and liquidation.

Prerequisite, Business I-2.

5-6. **MARKETING MANAGEMENT.** Planning, organization and control of the distribution activities of the firm, and an analysis and evaluation of the marketing system, its institutions and processes. Application of marketing principles and the development of strategies for specific marketing problems. Product, channel flow, promotion and pricing strategies explored. Readings, cases and games.

7. **PRODUCTION MANAGEMENT.** Structural characteristics and functional relationships of a business organization as well as the problems encountered in coordinating the internal resources of a firm. Emphasis on administrative efficiency and plant operation and procedures.

8. **BUSINESS POLICIES.** Planning, organization and control of business operations, setting of goals, coordination of resources, development of policies. Analysis of strategic decisions encompassing all areas of a business, and the use and analysis of control measures. Emphasis on both the internal relationship of various elements of production, finance, marketing and personnel and the relationship of the business entity to external stimuli. Readings, cases and games.

Prerequisite, Business 3-4, 5-6, and 7.

9. **PERSONNEL MANAGEMENT.** Development of an effective work force. Organization and responsibilities of the personnel department: selection of employees, training, incentives, morale, human relations in business.

10. **INSURANCE.** Analysis of the major insurance methods of overcoming risk, including life, accident, health, marine and social insurance. Fidelity and surety bonds. Commercial and government plans.

11. **SALES PROMOTION.** Nature and scope, methods and effects of promotion. Techniques of analysis and control in the use of advertising, personal selling and publicity as tools in developing business strategy.

12. **RETAIL MANAGEMENT—I.** Planning, organization and control of the retail enterprise. Location, layout, administrative organization, buying, selling, pricing, inventory techniques and control, and personnel.

13. **RETAIL MANAGEMENT—II.** History of retailing and emergence of different types of stores in U.S. and Europe. Survey of current issues, and governmental, social and economic forces of concern to the retailer. Retailing principles applied to specific management situations. Cases and readings.

Prerequisite, Business 12.

14. **INVESTMENTS.** Analysis of the leading types of investments available to the individual and the firm. Use of forecasting methods, financial reports and financial indi-

cators. Methods of buying and selling securities with a discussion of the agencies involved including brokerage houses and stock exchanges.

3I-32. STUDIES.

4I-42. HONORS.

CHEMISTRY

Professor RADSPINNER (Chairman)

Associate Professor HUMMER

Assistant Professors FREDERICK AND JAMISON

A major in Chemistry requires the completion of the basic courses, Chemistry 1 through 8. In addition, Mathematics 3 through 6 and Physics 1 and 2 are required. Additional courses in Chemistry, Mathematics, Physics, or Biology may be chosen to meet the needs of the individual student.

1-2. GENERAL CHEMISTRY. A systematic study of the fundamental principles of chemistry, atomic and molecular structure, and the properties of the more important elements and their compounds. Quantitative relations are stressed through problem solving and laboratory experiments. Approximately one half of the second semester laboratory work is devoted to qualitative analysis. Three hours lecture, one hour recitation, and one three-hour laboratory period each week.

Prerequisite, Mathematics 1 or equivalent (may be taken concurrently).

3-4. ORGANIC CHEMISTRY. A systematic study of the compounds of carbon including both aliphatic and aromatic series. The laboratory work introduces the student to simple fundamental methods of organic synthesis, isolation, and analysis. Three hours lecture and one four-hour laboratory period each week.

Prerequisite, Chemistry 1-2.

5. QUANTITATIVE ANALYSIS. A study of the fundamental methods of gravimetric, volumetric, and elementary instrumental analysis together with practice in laboratory techniques and calculations of these methods. Two hours lecture and two three-hour laboratory periods each week.

Prerequisite, Chemistry 1-2.

6. ADVANCED INORGANIC CHEMISTRY. A study of modern theories of atomic and molecular structure and their relationship to the chemistry of selected elements and their compounds. Four hours lecture each week. (This course should be scheduled concurrently with Chemistry 8)

Prerequisite, Chemistry 1-2, Mathematics 5-6, and Physics 1-2.

7-8. PHYSICAL CHEMISTRY. A study of the fundamental principles of theoretical chemistry and their applications. The laboratory work includes techniques in physico-chemical measurements. Three hours lecture and one four-hour laboratory period each week.

Prerequisite, Chemistry 1-2, Mathematics 5-6, and Physics 1-2.

9. **ADVANCED ANALYTICAL CHEMISTRY.** A study of advanced analytical methods with emphasis on separation techniques such as chromatography and ion exchange, electrochemical, and optical methods of analysis. Two hours lecture and two three-hour laboratory periods each week.

Prerequisite, Chemistry 5, 7-8.

10. **BIOCHEMISTRY.** A general course dealing with the chemistry of physiological processes. Three hours lecture and one four-hour laboratory period each week.

Prerequisite, Chemistry 3-4 and Biology 1, 2.

11. **QUALITATIVE ORGANIC ANALYSIS.** Practice in the systematic identification of pure organic compounds and mixtures. Two hours lecture and two three-hour laboratory periods each week.

Prerequisite, Chemistry 3-4.

12. **RADIOCHEMISTRY.** The theory and practice of radiochemistry studied through a consideration of the properties of radiation and characteristic radioisotopes, and their application to problems of chemistry. Three hours lecture and one four-hour laboratory period each week.

Prerequisite, Chemistry 1-2, and Mathematics 2 or 3.

31-32. **STUDIES.**

41-42. **HONORS.**

ECONOMICS

Professor RABOLD (*Chairman*)

Assistant Professors FAIR AND OPDAHL

Economics courses numbered 1 through 8 constitute the core of the major. Specific interests and talent will determine which courses beyond the core shall be selected. Students will plan their programs with the advice and consent of the major advisor. Elementary Accounting is recommended for majors specializing in business economics. Business and Economic Statistics is recommended for all majors. Students considering graduate school should schedule mathematics through calculus.

1-2. **PRINCIPLES OF ECONOMICS.** An introduction to the problem of scarcity; to the economic thought, principles, institutions and systems to which the problem has given rise. Two semesters. Credit not given unless both semesters are completed.

3-4. **INTERMEDIATE ECONOMIC ANALYSIS.** Analysis of contemporary value, distribution and national income theory. First semester is micro-economics; second is macro-economics. Economics 3 to be completed prior to enrolling for Economics 4.

Prerequisite, Economics 1-2.

5. **EUROPEAN ECONOMIC DEVELOPMENT.** A study of the development of European economic institutions from medieval times to the present.

Prerequisite, Economics 1-2.

6. AMERICAN ECONOMIC DEVELOPMENT. A study of the economic development of the United States from colonial times to the present. An integration of historical analysis and economic theory.

Prerequisite, Economics 5.

7-8. HISTORY OF ECONOMIC THOUGHT. Discussion of the origins, development, and significance of the economic thought of civilized man. First semester covers the years from antiquity through the mid-nineteenth century. Second semester from that time to the present.

Prerequisite, Economics 1-2.

9. MONEY AND BANKING. A study of the nature and functions of money and credit; of the development of banking systems, domestic and foreign; the description and analysis of the Federal Reserve System, and of monetary policy instruments.

Prerequisite, Economics 1-2.

10. INTRODUCTION TO ECONOMETRICS. Econometrics consists of the mathematical formulation of economic theories and the use of statistical techniques to verify or reject the theories. Concerned with quantitative predictions, measurement, and statistical tests of predictions.

Prerequisite, Economics 3-4, Statistics 1-2, Mathematics 1.

11-12. COMPARATIVE ECONOMIC SYSTEMS. The economic development and comparative analysis of contemporary economic systems, particularly capitalism, socialism, and communism.

Prerequisite, Economics 1-2, or consent of instructor.

13. INTERNATIONAL TRADE. A study of the fundamental principles and theory, development and policies concerning international economic transactions, with particular reference to the United States.

Prerequisite, Economics 1-2.

14. LABOR PROBLEMS. The development of labor unions, particularly in the United States; consideration of the evolution of labor and wage theories, labor legislation, and contemporary issues of labor-management relations.

Prerequisite, Economics 1-2.

15-16. GOVERNMENT AND THE ECONOMY. An analytical survey of the areas of contact of the government at all levels with the American economy, especially in areas of anti-trust legislation and regulation of public utilities. Credit not given unless both semesters are completed.

Prerequisite, Economics 3 and consent of instructor.

31-32. STUDIES.

41-42. HONORS.

EDUCATION

Assistant Professors CONRAD (*Acting Chairman*) AND ZIMMERMAN

Instructor SCHAEFFER

Part-time Instructors BOSSERT, DICE, LANSBERRY, AND LESHER

MR. GRAMLEY

1. INTRODUCTION, HISTORY AND PHILOSOPHY OF EDUCATION.

Part 1. Introduction. The social value of public education, the changing conception of the purposes of education, the problems facing the schools, and the fields of professional activity.

Part 2. History and Philosophy. A study of the economic, social, political and religious conditions which have influenced the different educational programs and philosophies, with emphasis being placed on the American educational system.

2. EDUCATIONAL PSYCHOLOGY. Psychology of learning and teaching processes, child development, individual differences, and psychology of adjustment as related to education from birth to adolescence. Includes study of actual classroom problems and procedures.

3. METHODS OF TEACHING IN THE SECONDARY SCHOOL, INCLUDING AUDIO-VISUAL AIDS. A study of materials, methods, and techniques of teaching with emphasis on the student's major. Stress is placed on the selection and utilization of visual and auditory aids to learning. Students will teach demonstration lessons in the presence of the instructor and the members of the class and will observe superior teachers in the secondary schools of the Greater Williamsport Area.

Prerequisite, Education I.

4. SECONDARY EDUCATION. READING AND RELATED PROBLEMS.

Part 1. Problems of Secondary Education. The development and problems of secondary education in a democracy. Related problem emphasis will be on guidance and counseling, curriculum and the co-curriculum. Students will observe superior teachers in the secondary schools of the Greater Williamsport Area and will have the opportunity to converse with administrators and guidance counselors as to their duties, problems, and responsibilities in the educational program.

Part 2. Teaching Reading in the Secondary School Academic Subjects. An overview of the elementary reading program as a base for developing the understandings and improving techniques for developing skills applicable to the secondary students. Major emphasis on *readiness*, *comprehension* (factual, critical, organizational, reading-study), *vocabulary development* (word meaning, context clues, configuration clues, picture clues, phonetic analysis, structural analysis, dictionary usage), *silent reading*, and *oral reading* through secondary academic subjects. The student content shall be the material of the academic subjects.

Prerequisite, Education I.

5. READING AND THE LANGUAGE ARTS IN THE ELEMENTARY SCHOOL.

Part I. Reading Methods and Materials. The development of a reading program from the beginning (readiness) through principles, problems, techniques, and materials used in the total elementary schools. An examination of Children's Literature as related to the total reading program is included. Observation of superior teachers in elementary schools of the Greater Williamsport Area.

Part 2. Methods of Teaching the Language Arts in the Elementary School. Including audio-visual instruction. A study of materials and methods of teaching English, spelling and handwriting with emphasis on the selection of suitable curricular materials. Students will teach demonstration lessons in the presence of the instructor and the members of the class. Observation of superior teachers in elementary schools of the Greater Williamsport Area.

Prerequisite, Education 1.

6. METHODS OF TEACHING IN THE ELEMENTARY SCHOOL INCLUDING AUDIO-VISUAL AIDS.

Part 1. Methods of Teaching Science and Arithmetic in the Elementary School Including Audio-Visual Instruction. A study of materials and methods of teaching with emphasis on the selection of suitable curricular materials. Students will teach demonstration lessons in the presence of the instructor and members of the class. Observation of superior teachers in elementary schools of the Greater Williamsport Area.

Part 2. Methods of Teaching Social Studies, Health and Safety, and Physical Education in the Elementary School. The course deals with a study of teaching social studies, health and safety, and physical education in the elementary school with emphasis on the selection of suitable curricular materials. Students will teach demonstration lessons in the presence of the instructor and members of the class. Observation of superior teachers in elementary schools of the Greater Williamsport Area.

Prerequisite, Education 1.

7. PRACTICE TEACHING IN THE ELEMENTARY SCHOOL. (One unit credit. Equivalent to mandated state minimum requirement.)

Professional laboratory experience under the supervision of a selected cooperating teacher in a public elementary school of the Greater Williamsport Area. Organizes learning experiences. Actual classroom experience.

Prerequisite, Education 2, 5, 6.

8. PRACTICE TEACHING IN THE SECONDARY SCHOOL. (One unit credit. Equivalent to mandated state minimum requirement.)

Professional laboratory experience under the supervision of a selected cooperating teacher in a public secondary school of the Greater Williamsport Area. Organized learning experiences. Emphasis on actual classroom experience, responsibility in the guidance program and out-of-class activities.

Prerequisite, Education 2, 3, 4.

ENGLISH

Professors SANDIN AND HILBISH

Associate Professors BYINGTON (Chairman), GRAHAM, AND STUART

Assistant Professors GARNER AND WALL

Instructors MADDEN AND MAYNARD

The major in English has a minimal requirement of eight unit courses (1 through 8); an additional two unit courses (9 and 10) are required of all majors in the secondary

education curriculum. Courses 3 and 4, the sophomore survey of British literature, are prerequisites for all advanced courses, except those in American literature.

1-2. FRESHMAN ENGLISH. An examination of the English language, its backgrounds, development and usage; and a consideration of the short story, the novel, drama, and poetry for the purpose of developing a critical understanding of these major literary forms.

3-4. SURVEY OF BRITISH LITERATURE. A survey of the major movements and authors from their beginnings to the present. First semester, to 1798; second semester, since 1798.

5. SHAKESPEARE I. A survey of plays representing Shakespeare's development, in comedy, history play, tragedy, and romance, from the early period to the end of his career.

6. 18th CENTURY BRITISH LITERATURE. A survey of the Restoration and 18th century; special emphasis will be given to the following in different years:

- a. Neo-classicism: Dryden, Pope, Swift, Johnson.
- b. Rise of Romanticism, 1750-1800.
- c. Restoration and 18th Century drama.
- d. Growth of prose fiction from Behn to Lewis and Maturin.

7. 19th CENTURY BRITISH LITERATURE I.

8. AMERICAN LITERATURE. An intensive survey of the major movements and authors in American literary history from its beginnings to the present, with particular emphasis upon the mid-nineteenth and mid-twentieth centuries.

9. HISTORY OF THE ENGLISH LANGUAGE. The development of English from its Indo-European origins through the Old, Middle, and Modern periods. Knowledge of a second language highly desirable.

10. STRUCTURE OF ENGLISH. An inductive study of the structure and functional patterns of American English as seen in the light of recent research.

11. 17th CENTURY BRITISH LITERATURE. A general historical survey; the study of major and some minor figures and their relationship to the various intellectual cross-currents of the age. In different years, each of the following will receive special attention:

- a. The Cavalier and metaphysical poets: Marvell, Herrick, Suckling, Donne, Herbert, Vaugh, etc.
- b. Prose: Bacon, Donne, Burton, Walton, Earle, Aubrey, Hobbes, Bunyan, Pepys, etc.
- c. Drama: Jonson, Brome, Shirley, Beaumont, Fletcher, etc.
- d. Milton: prose and poetry.

12. SHAKESPEARE II. A study of selected plays, representing the problem comedy, the later tragedies, and the romances. The focus is on the maturest period of Shakespeare's thought and art.

13. **ADVANCED AMERICAN LITERATURE.** The content of this unit will vary from year to year, as the focus of attention shifts from one to another of the following:

- a. The Transcendentalist Movement
- b. American Folklore
- c. Naturalism in America
- d. American Literary Criticism
- e. American Popular Literature

14. **19th CENTURY BRITISH LITERATURE II.**

15. **20th CENTURY BRITISH LITERATURE I.** A study of representative novels of Conrad, Joyce, Lawrence, Forster, Huxley, and Virginia Woolf.

16. **20th CENTURY BRITISH LITERATURE II.** A study of the poems, plays, and critical prose of Yeats and Eliot.

31-32. **STUDIES.**

41-42. **HONORS.**

FOREIGN LANGUAGES AND LITERATURES

Professor KADLER (Chairman)

Associate Professor GILLETTE

Assistant Professors BARRICK, DERBYSHIRE, FLAM, GUERRA, AND YU

Instructors DURR, HAGGIAG, MUELDER, AND SAMARIN

Part-time Instructor RICHMOND

FRENCH, GERMAN, RUSSIAN and SPANISH are offered as major fields of study. The major in these languages consists of 8 course units, exclusive of courses numbered I-2, and an oral proficiency examination to be taken during the senior year, at which time the students are expected to have acquired fluency in the language and knowledge of its literary masterpieces. The courses in foreign literatures aim at imparting first-hand acquaintance with the great modern literatures of the World. The literature courses in each language are open to students who have completed course unit 6 or its equivalent in the respective foreign language.

CZECH

I-2. **CZECH.** An introductory course recommended for students who are majoring in Russian or German. Basic conversational patterns and reading of graded texts.

FRENCH

1-2. **ELEMENTARY.** Basic conversational patterns and syntactical foundations of the language. Laboratory drills. Reading of graded texts.

3-4. **INTERMEDIATE.** Systematic review and extension of essential grammar; laboratory drills in syntax and idioms. Reading of expository prose.

5-6. **ADVANCED.** Designed to develop a high degree of aural comprehension and conversational fluency. Some laboratory practice.

Prerequisite, the *Intermediate* course or equivalent.

7-8. **GRAMMAR AND APPLIED LINGUISTICS.** Study of complex grammatical rules and their application. Study of linguistics as a tool for language learning and teaching. Reading of selected texts

9-10. **SURVEY OF FRENCH LITERATURE.** Designed to acquaint the student with the important periods of French literature, representative authors, and major texts. Open to students majoring in other departments.

11-12. **THE THEATER.** Lectures on the history of French drama. Study of the leading dramatists, reading and discussion of outstanding plays. Emphasis on the modern theater.

13-14. **THE NOVEL.** History of the French novel and *conte*. Lectures, discussions, and papers on works of fiction from all periods, with stress on contemporary developments.

15-16. **POETRY.** Interpretation of poems from various periods and genres. Emphasis on the developments since the nineteenth century.

31-32. **STUDIES.**

41-42. **HONORS.**

GERMAN

1-2. **ELEMENTARY.** Basic conversational patterns and syntactical foundations of the language. Laboratory drills. Reading of graded texts.

3-4. **INTERMEDIATE.** Systematic review and extension of essential grammar; laboratory drills in syntax and idioms. Reading of expository prose.

5-6. **ADVANCED.** Designed to develop a high degree of aural comprehension and conversational fluency. Some laboratory practice.

Prerequisite, the *Intermediate* course or equivalent.

7-8. **GRAMMAR AND APPLIED LINGUISTICS.** Study of complex grammatical rules and their application. Study of linguistics as a tool for language learning and teaching. Reading of selected texts.

9-10. **SURVEY OF GERMAN LITERATURE.** A study of representative works from all periods of German literature. Open to students majoring in other departments.

- 11-12. DRAMA AND POETRY. Lectures, readings, discussions, and reports on outstanding German plays and poems since Lessing.
- 13-14. FICTION. Readings from outstanding authors with stress on the short story.
- 31-32. STUDIES.
- 41-42. HONORS.

GREEK

New Testament Greek is offered for pre-ministerial students every year and successful completion of four units from the following courses satisfies the graduation requirement in language.

- 1-2. NEW TESTAMENT GRAMMAR. Fundamentals of New Testament Greek grammar.
3. READINGS FROM THE NEW TESTAMENT. Passages chosen from the Greek Testament for their literary merit and significance for the Christian faith.
4. THE GOSPEL ACCORDING TO ST. MARK. A critical reading of the Greek text with reference to the problems of higher and lower Biblical criticism.
5. THE EPISTLE TO THE ROMANS. A critical study of the Greek text with special attention being given to the theology of St. Paul.

ITALIAN

- 1-2. ITALIAN. An introductory course recommended as a second foreign language for students majoring in Art or Music.

LATIN

- 1-2. LATIN. Course is designed to develop the students' ability to read Latin texts. Recommended as a second foreign language for students majoring in Biology or Religion.

RUSSIAN

- 1-2. ELEMENTARY. Basic conversational patterns and syntactical foundations of the language. Laboratory drills. Reading of graded texts.
- 3-4. INTERMEDIATE. Systematic review and extension of essential grammar; laboratory drills in syntax and idioms. Reading of expository prose.
- 5-6. ADVANCED. Designed to develop a high degree of aural comprehension and conversational fluency. Some laboratory practice.
- Prerequisite, the *Intermediate* course or equivalent.

7-8. GRAMMAR AND APPLIED LINGUISTICS. Study of complex grammatical rules and their application. Study of linguistics as a tool for language learning and teaching. Reading of selected texts.

9-10. SURVEY OF RUSSIAN LITERATURE. A study of representative works from the earliest monuments through Soviet literature with stress on the novel. Class discussions based on outside reading. This course will be conducted in English. Open to students majoring in other departments.

11-12. DRAMA AND POETRY. Lectures on the history of the Russian drama. Outside readings, papers, and discussion of representative plays. Part of the second semester will be devoted to a study of Russian poetry.

13-14. FICTION. Readings from outstanding Russian authors with stress on the short story. Discussions, outside readings, and papers.

31-32. STUDIES.

41-42. HONORS.

SPANISH

1-2. ELEMENTARY. Basic conversational patterns and syntactical foundations of the language. Laboratory drills. Reading of graded texts.

3-4. INTERMEDIATE. Systematic review and extension of essential grammar; laboratory drills in syntax and idioms. Reading of expository prose.

5-6. ADVANCED. Designed to develop a high degree of aural comprehension and conversational fluency. Some laboratory practice.

Prerequisite, the *Intermediate* course or equivalent.

7-8. GRAMMAR AND APPLIED LINGUISTICS. Study of complex grammatical rules and their application. Study of linguistics as a tool for language learning and teaching. Reading of selected texts.

9-10. SURVEY OF SPANISH LITERATURE. A study of representative works from the earliest monuments to modern times. Required of all majors. Open to students majoring in other departments.

11-12. SPANISH AMERICAN LITERATURE. A study of representative works.

13-14. SPANISH LITERATURE OF THE GOLDEN AGE. A study of representative works and principal literary figures.

31-32. STUDIES.

41-42. HONORS.

GEOLOGY

Professor Howe

1. PHYSICAL GEOLOGY. A systematic consideration of the forces, processes and materials which are largely responsible for the more familiar land forms. Developed through lecture-discussion, laboratory and field sessions.

2. HISTORICAL GEOLOGY. An application of the principles of physical geology to the interpretation of the rock record. The course, which is continental in scope, emphasizes the geological history of Pennsylvania. Special attention is given to the unfolding record of life through the ages.

HISTORY

Professor PRIEST

Associate Professors EWING (*Chairman*) AND GOMPF

Assistant Professor STITES

Lecturers CUSHMAN AND GHAZNAVI

Part-time Instructor WELLER

The minimum requirement for a major is eight courses. These will normally be courses 1 through 8.

1-2. MODERN EUROPE. An examination of the political, social, cultural and intellectual experience of the peoples of Europe from the close of the fifteenth century to the present day. First semester, 1500 to 1815; second semester, 1815 to the present.

3-4. THE UNITED STATES. A study of the men, measures and movements which have been significant in the political, economic and social development of the United States. First semester, to 1865; second semester, 1865 to the present.

5-6. ANCIENT AND MEDIEVAL EUROPE. First semester; A brief examination of the origins of civilization in the ancient Near-East, followed by a more detailed study of the history of ancient Greece and of the Roman Republic and Empire. Second semester; The disintegration of ancient civilization, the rise of medieval civilization, and the course of the latter to the opening of the sixteenth century.

7-8. THE WORLD OF THE TWENTIETH CENTURY. An examination of recent history with a view to discerning and assessing those forces in the various geographic and culture areas of the world which are significant in the contemporary political and social scene.

Prerequisite, History 1-2.

9-10. COLONIAL AMERICA AND HISTORY OF PENNSYLVANIA. First semester, the history of the English colonies in mainland America. Second semester, a comprehensive account of the Commonwealth of Pennsylvania from colonial to modern times.

11-12. AMERICAN SOCIAL AND INTELLECTUAL HISTORY. The rise and development of the various phases of American social and intellectual experience from colonial settlement to the present.

13-14. HISTORY OF ENGLAND. The political, constitutional, social and cultural history of England through medieval and modern times. First semester to 1660; second semester, 1660 to the present.

Prerequisite, History 1-2.

15-16. **HISTORY OF RUSSIA.** First semester, a survey of Russian history from its origins to the eve of the Russian Revolution of 1917, with special emphasis on the revolutionary-intellectual traditions and the growth of Marxism. Second semester, the Revolution and the ensuing Soviet period to the present.

Prerequisite, History 1-2.

17-18. **HISTORY OF THE FAR EAST.** First semester, an investigation in historical context of the great Oriental civilization of China, Japan and Southeast Asia, ending with the impact of the West. Second semester, chiefly twentieth century developments with emphasis on the growth of communism in East Asia.

Prerequisite, History 1-2.

19-20. **HISTORY OF THE NEAR EAST.** First semester, a survey of the history and civilization of the Near East, particularly since the rise of Islam. Second semester, a study of the political, economic and diplomatic developments from the beginning of the nineteenth century to the present, with special emphasis on the break-up of the Ottoman Empire.

Prerequisite, History 1-2.

31-32. **STUDIES.**

41-42. **HONORS.**

INTERNATIONAL RELATIONS

Professor PRIEST

Lecturer GHAZNAVI

The major in International Relations consists of unit courses 1-8. Majors are also expected to complete selected unit courses in Economics, History and Political Science.

1-2. **WORLD GEOGRAPHY.** The relation of man's physical environment to his economic, political, and cultural condition, stressing the effect of these influences upon relations between nations. First semester: Western Hemisphere. Second semester: Eastern Hemisphere.

3-4. **INTERNATIONAL RELATIONS.** Introductory analysis of the nature of government, the rise of national states and contrasting methods of policy determination followed by discussion of geographic, strategic, ideological, and other factors influencing international relations and of the techniques of diplomacy. Examination in the second semester of the fundamental characteristics of international organizations and international law, of the bases of current United States foreign policies, and in detail of the international position taken by a significant non-American country.

5-6. **AMERICAN FOREIGN RELATIONS.** A study of the course of relations of the United States with foreign nations from independence through World War I during the first semester followed by a detailed study of the formulation and application of American foreign policies from 1919 to the present during the second.

7. INTERNATIONAL ORGANIZATIONS. A study of the development, structure, and functions of the principal agencies of international cooperation, with particular attention to the United Nations and to regional organizations.

8. INTERNATIONAL LAW. Examination of the origins, development and present status of rules governing the conduct of world affairs.

31-32. STUDIES.

41-42. HONORS.

LAW

Lecturer LARRABEE

1. LEGAL PRINCIPLES I. Lectures and analysis of cases on the nature, sources and fundamentals of the Law in general, and particularly as relating to contracts, agency and negotiable instruments.

Open to juniors and seniors.

2. LEGAL PRINCIPLES II. Lectures on the fundamentals and history of the Law relating to legal associations, real property, wills and estates.

Open to juniors and seniors.

MATHEMATICS

Professor F. SKEATH (*Chairman*)

Assistant Professors FRUTIGER, HARER AND SAH

The major in Mathematics consists of eight unit courses beyond mathematics 1-2.

1. ALGEBRA AND TRIGONOMETRY. Factoring, fractions, exponents, radicals, linear and quadratic equations; trigonometric functions, identities, equations, logarithms.

2. TOPICS IN ELEMENTARY MATHEMATICS. Introduces student to such topics as symbolic analysis of compound statements, idea of sets, probability, vectors and matrices, linear programming, theory of games.

Prerequisite, Mathematics 1 or equivalent.

3. ANALYTIC GEOMETRY. Study of graphs of functions, properties of conic sections, polar coordinates, solid analytic geometry.

Prerequisite, Mathematics 1 or equivalent.

4. CALCULUS I. Ideas of limits and continuity, differentiation of algebraic and transcendental functions, introduction to integration.

Prerequisite, Mathematics 3 or equivalent.

5. CALCULUS II. Methods of integration of algebraic and transcendental functions, convergent and divergent series, partial differentiation, multiple integration, and MacLaurin's and Taylor's series.

Prerequisite, Mathematics 4.

6. DIFFERENTIAL EQUATIONS. Methods of solving ordinary differential equations with applications.

Prerequisite, Mathematics 5.

7-8. APPLIED MATHEMATICS. Application of calculus and differential equations to topics in physical sciences and engineering.

Prerequisite, Mathematics 6.

9-10. HIGHER ALGEBRA. Concepts of intuitive logic, ordered sets, Boolean algebra, introduction to lattices.

Prerequisite, Mathematics 6.

11. CALCULUS OF FINITE DIFFERENCES. Study of finite differences with application to interpolation, summation of series, integration and solution of difference equations.

Prerequisite, Mathematics 6.

12. INTRODUCTION TO NUMERICAL ANALYSIS. Study and analysis of tabulated data leading to interpolation, numerical solution of equations and system of equations, numerical integration.

Prerequisite, Mathematics II.

13-14. FOUNDATIONS OF ALGEBRA. Introduction to axiomatic treatment of algebra. Topics covered include the development of the number system and the abstract concepts of group, integral domain, and field.

Prerequisite, Mathematics 6 and Junior standing.

31-32. STUDIES.

41-42. HONORS.

MUSIC

Associate Professors McIVER (*Chairman*), RUSSELL AND SHEAFFER

Assistant Professor MORGAN

Part-Time Instructor DISSINGER

The major in Music consists of a flexible program of unit courses in Theory, History and Literature, and Applied Music. The program of each student majoring in music shall be designed to allow maximum development of his potential in the area of his principal interest. Vocationally the music major is directed toward ultimate service in teaching, the music of the church or in performance.

1-2. MUSIC APPRECIATION. A basic course designed to help the student to become a perceptive listener through a study of rhythm, melody, harmony, timbre, and medium. Based on an introductory study of structure in the first semester the second semester deals with various significant forms such as small character pieces, free forms, rondo, variations and sonata-allegro. The sonata, the symphony and the concerto are examined as are opera and oratorio. Musical examples are selected from masterworks of the 18th, 19th, and 20th centuries. Class meets four times each week.

3-4. **MUSIC THEORY I AND II.** An integrated course in the fundamentals of music and musicianship including sight singing, ear training, written and keyboard harmony. Class meets five times each week.

5-6. **MUSIC THEORY III AND IV.** A continuation of the integrated course moving toward newer uses of musical materials. Class meets five times each week.

Prerequisite, Music 3-4.

7. **MUSIC HISTORY AND LITERATURE TO J. S. BACH.** A survey of the history of music from antiquity to the beginning of the 18th century with emphases on non-mensural chant, the beginnings of harmony and counterpoint and the development moving through the "Golden Age" to the dramatic and instrumental music of the early and middle Baroque. Class meets four times each week.

Prerequisite, Music 1-2.

8. **MUSIC HISTORY AND LITERATURE OF THE 18TH CENTURY.** Emphasizing the achievements of the late Baroque and the great classical age of the late 18th century, the course is largely concerned with the lives and works of four great composers: Bach, Handel, Haydn, and Mozart. Class meets four times each week.

Prerequisite, Music 1-2.

9. **MUSIC HISTORY AND LITERATURE OF THE 19TH CENTURY.** Consideration is given to the lives and works of such men as Beethoven, Chopin, Schubert, Brahms, Wagner, and Debussy, as well as to the romantic and impressionistic tempers in art. Representative works are studied from the art song, the small character piece for the piano, the sonata, the symphony, the concerto and from German and Italian opera. Class meets four times each week.

Prerequisite, Music 1-2.

10. **MUSIC HISTORY AND LITERATURE OF THE 20TH CENTURY.** Beginning with Richard Strauss and Sibelius, the course familiarizes the student with the works of such moderns as Stravinsky, Bartok, Prokofief, Shostakovich, Barber, Copland, Menotti and Stockhausen. Considerable attention is given to a study of the modern symphony and 20th century opera as a reflection of the age. Atonality and expressionism are explored. Class meets four times each week.

Prerequisite, Music 1-2.

11. **ADVANCED HARMONY.** Altered chords and a thorough review of seventh, ninth, and eleventh chords, with analysis of material used in modern music. Students apply their knowledge in the composition of small forms. Continued work at the keyboard. Class meets four times each week.

Prerequisite, Music 5-6.

12. **COUNTERPOINT.** A study of the contemporary use of counterpoint with selected modern scores being studied. Class meets four times each week.

Prerequisite, Music 5-6.

13. **ORCHESTRATION.** A study of modern orchestral instruments and an examination of their use by great composers of every era. Classes meet four times each week.

Prerequisite, Music 5-6.

14. **COMPOSITION.** Creative writing in smaller vocal and instrumental forms. The college musical organizations serve to make performances possible. Class meets four times each week.

Prerequisite, Music 12.

15-16. **CHORAL CONDUCTING I AND II.** A study of the fundamentals of conducting with emphasis being directed toward the control of vocal tone through preparation, attack, continuity and release. The student is helped to discover the relationship between voice production for the individual and the resultant choral sound. In the second semester additional emphasis is placed on choral literature. Class meets four times each week.

Prerequisite, Music 3-4.

17-18. **INSTRUMENTAL CONDUCTING I AND II.** A study of the fundamentals of conducting with emphasis being directed toward a control of instrumental tone and phrasing. The student studies the character of individual instruments and their peculiar problems in performance. In the second semester added emphasis is placed on repertoire. Class meets four times each week.

Prerequisite, Music 3-4.

19. **HYMNOLOGY.** A study of the hymnody of the Christian church. Emphasis is directed toward the relationship which exists between hymns of every age and corresponding human experience. Class meets three times each week.

20. **CHORAL REPERTOIRE.** A study of choral literature aimed at the enrichment of church choral programs wherein graded choirs are organized. Class meets three times each week.

APPLIED MUSIC

The study of performance in Piano, Voice, Strings, Organ, Brass, Woodwinds, and Percussion is designed to develop sound technique and a knowledge of the appropriate literature. Frequent student recitals offer opportunity to gain experience in performance. Music majors or other qualified students in performance present senior recitals.

21. **PRIVATE INSTRUCTION IN PIANO.**

22. **PRIVATE INSTRUCTION IN VOICE.**

23. **PRIVATE INSTRUCTION IN STRINGS.**

24. **PRIVATE INSTRUCTION IN ORGAN.**

25. **PRIVATE INSTRUCTION IN BRASS.**

26. **PRIVATE INSTRUCTION IN WOODWINDS.**

27. **PRIVATE INSTRUCTION IN PERCUSSION.**

28. **PIANO ENSEMBLE.** A course designed to explore piano literature for four and eight hands. Required of piano majors. Open to any qualified student. Class meets three times each week.

29. **VOCAL ENSEMBLE.** Herein opportunity is presented for any student possessing at least average vocal talent to study choral technique. Emphasis is placed upon tone production, diction and phrasing. Required of voice majors. Class meets four times each week.

30. **INSTRUMENTAL ENSEMBLE.** A course open to any qualified student. Emphasis is directed toward developing fine ensemble music through a study of group instrumental procedures. Required of instrumental majors. Class meets four times each week.

31-32. **STUDIES.**

33. **METHODS IN MUSIC.** A course designed to teach students to teach. Since every effort is made to apply the best of teaching principles in the particular field of music reference is frequently made to other courses, i.e., psychology and philosophy. Class meets four times each week.

Prerequisite, Education 2.

41-42. **HONORS.**

PHILOSOPHY

Associate Professor FAUS (Chairman)

Assistant Professor MUCKLOW

The major in Philosophy consists of eight unit courses in philosophy.

1-2. **ETHICS.** An inquiry into some of the fundamental ethical problems facing man and society and the corresponding theories of moral and political philosophy. Investigation focuses on the question What shall we do? and the corresponding proposals by egoists, utilitarians, etc., as to how to decide. Readings in philosophical classics and contemporary books and articles. Philosophy 1 to be completed prior to enrolling for Philosophy 2.

3-4. **HISTORY OF PHILOSOPHY.** A philosophical study of the history of Western philosophy. The primary concerns are, first, to understand the fundamental thoughts of the great philosophers, including Plato, Aristotle, St. Thomas Aquinas, Descartes, the British empiricists, and Kant, and second, to identify and evaluate some of the seminal ideas of our own intellectual heritage. Readings in philosophical classics. Philosophy 3 to be completed prior to enrolling for Philosophy 4.

Prerequisite, Philosophy 1-2.

5. **LOGIC.** An introduction to modern formal deductive logic and its application to arguments expressed in English, together with an inquiry into the concepts, such as inconsistency and system, which are currently fundamental within logic. In addition, the opportunity is taken to consider the nature of mathematical truth, and to compare the kinds of reasoning found in such diverse realms of discourse as mathematics, law and ethics.

Prerequisite, Philosophy 1-2.

6. **PHILOSOPHY OF SCIENCE.** An examination of the nature of empirical science, dealing with such problems as the aim of science, the part played by mechanical and other analogies in understanding the world, the concept of a model, the existence of such

"non-observable" entities as electrons, genes and phlogiston, and the possibility of a social science being scientific.

Prerequisite, Philosophy 1-2, and either Philosophy 5 or the consent of the instructor.

7. **PHILOSOPHY OF RELIGION.** A study of religion from the standpoint of philosophy, with special emphasis on the philosophical bases for belief in God, man, the problem of good-and-evil and immortality.

Prerequisite, Philosophy 1-2.

8. **METAPHYSICS.** A study of the meaning of reality and the leading philosophical world-views, such as naturalism, realism and idealism, with the aim of developing a better perspective for the understanding of life.

Prerequisite, Philosophy 3-4.

31-32. **STUDIES.**

41-42. **HONORS.**

PHYSICAL EDUCATION

Associate Professor BUSEY (*Chairman*)

Assistant Professors BURCH, VARGO, AND WHITEHILL

Instructors CONNER, PHILLIPS, AND MILLER

Part-time Instructors DAUGHENBAUGH, GREEN, AND RAUFF

1. **PHYSICAL EDUCATION (Men).** Basic instruction in fundamentals of sports that include touch football, soccer, basketball, volleyball, table tennis, bowling, badminton, wrestling, swimming, gymnastics, tumbling, softball tennis, golf, and archery. The second year of physical education consists of advanced instruction in the various activities emphasizing those which have the greatest potential as recreational and leisure time interests in post-college life.

Four semesters of physical education (two hours per week) are required.

1-1. First Semester—Freshman Year.

1-2. Second Semester—Freshman Year.

1-3. First Semester—Sophomore Year.

1-4. Second Semester—Sophomore Year.

A regulation four-piece uniform consisting of a Lycoming College T-shirt, royal blue shorts, and a royal blue sweat snit, along with a basketball-type rubber-soled shoe is required for all class work in physical education. This uniform may be secured at The College Bookstore.

2. **PHYSICAL EDUCATION (Women).** Basic instruction in fundamentals of swimming, tennis, badminton, bowling, table tennis, archery, volleyball, basketball, softball, field hockey, soccer, stunts and tumbling, rhythmic, informal gymnastics, and folk, modern, and character dancing. The second year consists of advanced instruction in activities required of freshmen. A reasonable degree of proficiency in a sport or activity of her choice is required.

Four semesters of physical education (two hours per week) are required.

- 2-1. First Semester—Freshman Year
- 2-2. Second Semester—Freshman Year
- 2-3. First Semester—Sophomore Year
- 2-4. Second Semester—Sophomore Year

A regulation two-piece uniform consisting of a white blouse and blue shorts, along with a tennis-type, rubber-soled shoe, is required for all class work in physical education. This uniform may be secured at The College Bookstore.

PHYSICS

Associate Professor BABCOCK (*Chairman*)

Assistant Professors JAMISON AND REMLEY

Instructor UPDEGRAFF

The major consists of eight unit courses in Physics and must be supported by sufficient courses in mathematics as indicated by prerequisites.

1-2. **GENERAL PHYSICS.** A course in the first semester covering mechanics, heat, and sound; and in the second semester, magnetism, electricity, and light. Lectures and recitations based on a standard text accompanied by a systematic course in quantitative laboratory practice. Three hours lecture and two two-hour laboratory periods each week.

Prerequisite, Mathematics 1.

3. **STATICS.** The division of mechanics which includes the fundamental conception of a force, the resolution of a force into components, and the composition of forces into a resultant. Both the analytical and the graphic solutions are used.

Prerequisite, Physics 1-2, Mathematics 3, 4.

4. **DYNAMICS.** A division of mechanics including forces which act on a body to cause a change in its motion.

Prerequisite, Physics 3, Mathematics 3, 4.

5-6. **ELECTRICITY AND MAGNETISM.** This course treats electrical and magnetic phenomena. Theoretical concepts as well as problems are stressed. Selected topics include circuits, inductances, and capacitance. Laboratory work is included.

Prerequisite, Physics 1-2, Mathematics 3, 4, Mathematics 5 concurrent.

7-8. **MODERN PHYSICS.** Recent developments in modern physics including atomic and nuclear structure. Special attention is given the quantum theory, special relativity, radiation laws. Selected topics include nuclear reactions, nuclear fission, the Bohr theory of the atom and radioactivity.

Prerequisite, Physics 1-2, Mathematics 3, 4.

9. **STRENGTH OF MATERIALS.** The application of analytical and vector methods to mechanical systems, including moment and shear diagrams.

Prerequisite, Physics 3-4.

10. OPTICS. A study of the theories of physical optics and an introduction to modern spectroscopy.

Prerequisite, Physics 1-2, Mathematics 3-4.

11. METEOROLOGY. A study of basic principles pertaining to the observation and recording of weather data, and the basing of future weather predictions on them.

12. ELECTRONICS. An introduction to fundamentals of electronics.

Prerequisite, Physics 5-6.

31-32. STUDIES.

41-42. HONORS.

POLITICAL SCIENCE

Professor WEIDMAN (Chairman)

Instructor LITTLE

Majors in Political Science are expected to complete units 1 to 8 inclusive, and to include in their programs at least two units in International Relations. Although no prerequisites for advanced courses are stated, non-majors will find Political Science 1 or 3 valuable preparation for all courses numbered 4 or above.

1. THE GOVERNMENT OF THE UNITED STATES: NATIONAL. An introduction to the principles, structure, functions, and operations of the national government, with special reference to expansions to meet the problems of a modern society.

2. THE GOVERNMENT OF THE UNITED STATES: STATE AND LOCAL. An examination of the general principles, major problems, and political processes of the states and their subdivisions, together with their role in a federal type of government.

3-4. COMPARATIVE GOVERNMENT. First semester; an analysis of the traits found universally in the governing processes of all societies and the consequences of the major variations in these procedures. Second semester; a study of several European and Asiatic governments, affording a comparison between modern democratic and authoritarian states.

5-6. THE AMERICAN CONSTITUTION. A presentation of the origins and development of the Constitution, their dominant roles in the government of the United States, and the social forces and dynamic needs which have molded the growth of fundamental law.

7-8. POLITICAL PHILOSOPHY. An exposition of the course of major political ideas and doctrines throughout history, an appraisal of their influence, and an analysis of their applicability to contemporary political issues.

9. MUNICIPAL GOVERNMENT. An inquiry into the dynamics of municipal government, its legal status and administration, and present-day experiments in the solution of the problems of metropolitan societies.

10. PUBLIC ADMINISTRATION. A systematic description, analysis, and evaluation of the institutional foundations of the American system of public administration, with special attention to structure, personnel, and control.

31-32. STUDIES.

41-42. HONORS.

PSYCHOLOGY

Professor J. SKEATH (Chairman)

Associate Professor MILLER

Assistant Professors SEIDEL, G. K. SHORTESS, AND SMITH

Part-Time Instructor CUMMINGS

MR. NAIR

Students majoring in psychology will complete courses 1 through 8 as a basic core. Courses 9 through 42 will be scheduled as deemed appropriate for the student concerned. In addition to the departmental requirements, majors are urged to include in their programs the following courses:

Biology 2 and 4, Foreign Language: French, German or Russian; Mathematics 2, 3, and 4, and Philosophy 6.

1. THE PSYCHOLOGY OF ADJUSTMENT. Behavior patterns, both normal and abnormal.
2. STATISTICS. Central tendencies, deviations, correlation, significant differences, chi-square variance.
- 3-4. EXPERIMENTAL PSYCHOLOGY. The course emphasizes content and methodology.
5. DEVELOPMENTAL PSYCHOLOGY. Development from birth, through infancy, childhood, and adolescence to adulthood.
6. SOCIAL PSYCHOLOGY. The individual in the group and their interrelationships.
7. LEARNING. The psychology of learning and the various theories and systems.
8. PERSONALITY. Its development according to current schools of thought.
9. PHYSIOLOGICAL PSYCHOLOGY. The nervous system as the physiological basis of behavior.
10. INDUSTRIAL PSYCHOLOGY. A study of personality factors and individual differences in relation to success in business. The psychological principles involved in selling, advertising, personnel problems, mental and physical efficiency, intelligence, suggestion, motivation and fatigue to be covered.
11. PSYCHOLOGICAL TESTS. A critical survey of available tests in areas of aptitude, personality and achievement.

12. PSYCHOLOGY OF THE UNUSUAL CHILD. A study of both the mentally retarded and the gifted.

31-32. STUDIES.

41-42. HONORS.

RELIGION

Assistant Professors RHODES (*Chairman*), GUERRA, MILLHOLLAND, AND NEUFER

Unless exceptions are granted by the chairman of the department, students majoring in Religion will take unit courses 1 through 8 in sequence. Non-majors who elect Religion in partial fulfillment of degree requirements shall elect Religion 1-2 unless arrangements are made with the departmental chairman for other elections.

1. OLD TESTAMENT. A study of the major works of the Old Testament with special reference to their origins, contents, and historical significance.
2. NEW TESTAMENT. A study of the major writings of the New Testament with reference to their authorship, date, and significance for the understanding of primitive and contemporary Christianity.
- 3-4. HISTORY OF CHRISTIAN THOUGHT. A study of leading themes and theologians from the Apostolic Fathers to the present day. Emphasis will be placed on readings from primary sources. The course will follow developments chronologically, the first semester ending with Luther and Calvin, and the second beginning with the Post-Reformation period.
5. PROPHETIC RELIGION IN THE BIBLE. The first part of the course consists of a study of the prophetic movement in Israel. The second part is a study of the "prophetic spirit" as found in the teachings of Jesus, the letters of Paul, and other portions of the New Testament. The course will focus on theological meaning rather than on literary and historical criticism.
6. CHRISTIAN ETHICS. A study of Christian Ethics from the New Testament to the present searching for the nature of the ultimate Christian ethical criteria. The main types of Christian Ethics in the history of the Church will be examined. Such issues as the relationship between love and justice, race and group relations, the political and economic orders, and the international situation will be emphasized.
7. WORLD RELIGIONS. A survey of the religious beliefs and practices of mankind through the historical study of the major living religions; an attempt to illuminate the origins, the nature, and the development of religion.
8. CONTEMPORARY RELIGIOUS PROBLEMS. The focus will be on present-day Christianity in its interactions with other disciplines and areas of life, such as the arts, politics, philosophy, and science.
9. THE ORGANIZATION AND WORK OF THE LOCAL CHURCH. A study of the nature and structure of the local church, its roles in the community, and the responsibilities of its personnel.

10. THE EDUCATIONAL MINISTRY OF THE LOCAL CHURCH. An introduction to religious education as a function of the local church, with special attention being given to the nature and goals of Christian education, methods of church-school teaching, and the relation between faith and learning.

31-32. STUDIES.

41-42. HONORS.

The following courses in Greek are also acceptable as major unit courses in Religion.

Greek 4. The Gospel according to St. Mark.

Greek 5. The Epistle to the Romans.

SOCIOLOGY AND ANTHROPOLOGY

Associate Professors FRANCISCO AND SONDER (Co-chairmen)

Assistant Professor CORWIN

The major in Sociology consists of a minimum of eight unit courses in Sociology.

1. INTRODUCTION TO SOCIOLOGY. An introduction to the systematic study of human inter-relationships and the products of these relationships.

2. GENERAL ANTHROPOLOGY. A survey of the physical and cultural evolution of man and society, placing emphasis upon the comparative descriptions of recent primitive societies.

3. MARRIAGE AND THE FAMILY. The history, structure, and functions of modern American family life, emphasizing dating, courtship, factors in marital adjustment, and the changing status of family members.

Prerequisite, Sociology 1.

4. RURAL AND URBAN COMMUNITIES. The concept of community is treated as it operates and affects individual and group behavior in rural, suburban, and urban settings. Emphasis is placed upon characteristic institutions and problems of modern city life.

Prerequisite, Sociology 1.

5. CRIMINOLOGY. The nature, genesis, and organization of criminal behavior is examined from both group and individual viewpoints. Juvenile delinquency and the treatment of crime are presented.

Prerequisite, Sociology 1.

6. RACIAL AND CULTURAL MINORITIES. A study of the adjustments of minority racial, cultural, and national groups in modern America. Attention is also given to minority problems within their world setting.

Prerequisite, Sociology 1.

7. **GROUPS AND THE DEVELOPMENT OF HUMAN BEHAVIOR.** An integrated, theoretical explanation of meaningful social behavior is developed and applied to classes, age groupings, and institutions of modern American society. Emphasis is placed upon the concepts of self, role, and stratification.

Prerequisite, Sociology 1.

8. **PUBLIC OPINION AND COLLECTIVE BEHAVIOR.** A theoretical and research-based study of the foundation, formation, and operation of public opinion in American society. Polling and propaganda techniques and the major media of public opinion are given intensive consideration. Forms of collective behavior, including social movements, are considered in their contemporary socio-cultural setting.

Prerequisite, Sociology 1.

9. **HISTORY OF SOCIOLOGICAL THOUGHT.** The history of the development of sociological thought from its earliest philosophical beginnings is treated through discussions and reports. Emphasis is placed upon sociological thought since the time of Comte.

Limited to qualified majors; others with permission of instructor.

31-32. **STUDIES.**

41-42. **HONORS.**

SPEECH

Assistant Professor RAISON

1. **FUNDAMENTALS OF SPEECH.** Development of the elementary principles of simple oral communication through lectures, prepared assignments in speaking and informal class exercises.

STATISTICS

Assistant Professor FAIR

1-2. **STATISTICS APPLIED TO BUSINESS.** Techniques of descriptive statistics useful in business administration and in economic analysis. Topics covered include: sources, collection and processing of data, ratios, frequency distribution, central tendency, probability and sampling, index numbers, analysis of time series, analysis of variance, and sample survey techniques.

THEATRE

Assistant Professor RAISON (*Chairman*)

Part-time Instructor WELCH

1. **INTRODUCTION TO THE THEATRE I.** An introductory study of the play as produced on the stage. Emphasis is placed on play structure, form and style to develop the students' critical faculties. Offered in the fall semester.

2. INTRODUCTION TO THE THEATRE II. A continuation of Introduction to the Theatre I with an emphasis on play production. The major production each spring serves as the laboratory to provide the practical experience necessary to understanding the material presented in the classroom. Offered in the spring semester.

Prerequisite, Theatre I or consent of instructor.

3. HISTORY OF THE THEATRE I. A detailed study of the development of theatre from the Greeks to the early realistic period. Offered in the fall semester.

Prerequisite, two units of theatre and consent of instructor.

4. HISTORY OF THE THEATRE II. Covers the history of the theatre from 1860. Offered in the spring semester.

5, 6, 7. ADVANCED STUDIES IN PLAY PRODUCTION. A detailed consideration of the problems and techniques of play analysis, production styles and technical design. This course is designed for the student with at least a layman's knowledge of theatre and adequate experience on the stage to allow him to advance rapidly in this highly concentrated course. Lycoming College Summer Theatre serves as the laboratory and all students must participate in the productions. This course must be scheduled as a unit. Offered in the summer only.

Prerequisite, Theatre 1-2 or equivalent, and consent of the instructor.

8. ORAL INTERPRETATION. The study of the understanding, preparation and oral communication of the written word.

31-32. STUDIES.



COLLEGE PERSONNEL

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1958	Mr. Fred A. Pennington	<i>Mechanicsburg</i>
1961	The Rev. Wallace F. Stettler	<i>Springfield</i>
1961	Mr. Nathan W. Stuart (Alumni Representative)	<i>Williamsport</i>

<i>First Elected</i>		<i>Term Expires 1965</i>	
1962	The Rev. Gilbert L. Bennett, D.D.		<i>Williamsport</i>
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1917	Mr. George W. Sykes		<i>Cranberry Lake, N. Y.</i>
1958	Mr. W. Russell Zacharias		<i>Allentown</i>

<i>First Elected</i>		<i>Term Expires 1966</i>	
1957	The Rev. Sheridan W. Bell, D.D.		<i>Harrisburg</i>
1948	Mr. Harold A. Brown		<i>Williamsport</i>
1963	Miss Nellie F. Gorgas (Alumni Representative)		<i>Jersey Shore</i>
1957	Mr. Horace S. Heim		<i>Montoursville</i>
1938	Mrs. Layton S. Lyon		<i>Williamsport</i>
1942	The Rev. Elvin Clay Myers, D.D.		<i>New Cumberland</i>
1941	Mr. Arnold A. Phipps		<i>Williamsport</i>
1931	Hon. Robert F. Rich, LL.D.		<i>Woolrich</i>
1936	Mr. George L. Stearns, II		<i>Williamsport</i>
1942	Judge Charles Scott Williams		<i>Williamsport</i>

EXECUTIVE COMMITTEE

The Rev. Gilbert L. Bennett	Mr. Horace S. Heim
Mr. Harold A. Brown	The Rev. Elvin Clay Myers
Mr. Ernest M. Case	Mr. Fred A. Pennington
Mr. Frank L. Dunham	Mr. Arnold A. Phipps
Mr. Paul G. Gilmore	Mr. George L. Stearns, II
Judge Charles S. Williams	

Administrative Staff

- D. FREDERICK WERTZ *President*
A.B., LL.D., Dickinson College; A.M., S.T.B., Boston University.
- DAVID G. MOBBERLEY *Dean of the College*
B.S., Baldwin-Wallace College; M.S., University of Michigan; Ph.D., The Iowa State University.
- KENNETH E. HIMES *Treasurer and Business Manager*
B.S., Drexel Institute of Technology; G.S.B., Rutgers University.
- OLIVER E. HARRIS *Director of Development*
A.B., M.S., The Pennsylvania State University.
- R. ANDREW LADY *Assistant to the President*
A.B., Lycoming College; M.S., The Pennsylvania State University.
- JACK C. BUCKLE *Dean of Students*
A.B., Juniata College; M.S., Syracuse University.
- G. HEIL GRAMLEY *Registrar*
B.S., Albright College; M.A., Bucknell University.
- ROBERT A. NEWCOMBE *Director of Admissions*
A.B., Ohio University.
- HELEN M. FELIX *Dean of Women*
B.S., East Stroudsburg State College.
- M. RUTH GRIERSON *Librarian*
A.B., Alma College, A.B.L.S., University of Michigan; M.S., Columbia University.
- L. PAUL NEUFER *Director of Religious Activities*
A.B., Dickinson College; S.T.B., S.T.M., Boston University.
- DAVID G. BUSEY *Director of Physical Education and Athletics*
B.S. in Phys. Ed., M.S. in Ed., University of Illinois.
- DONALD G. REMLEY *Director of Placement*
A.B., Dickinson College; M.A., Columbia University.
- H. LAWRENCE SWARTZ *Director of Public Relations*
A.B., Lycoming College; M.S., Boston University.
- DANIEL G. FULTZ *Director of Buildings and Grounds and Assistant Business Manager*
A.B., Lycoming College.
- FRANK J. KAMUS *Assistant Director of Admissions*
B.S., Lock Haven State College.
- DONALD A. NAIR *Assistant Dean of Men*
B.S., M.Ed., The Pennsylvania State University.
- NANCY R. BRUNNER *Director of Publications*
A.B., Lycoming College.

Faculty

EMERITI

- MABEL K. BAUER *Professor of Chemistry Emeritus*
B.S., Cornell University; M.S., University of Pennsylvania.
- ARNOLD J. CURRIER *Professor of Chemistry Emeritus*
A.B., Colgate University; M.S., The Pennsylvania State University; Ph.D., Cornell University.
- LEROY F. DERR *Professor of Education Emeritus*
A.B., Ursinus; M.A., Bucknell University; Ed.D., University of Pittsburgh.
- WILLIAM S. HOFFMAN *Academic Dean Emeritus*
B.S., M.S., The Pennsylvania State University.
- JAMES W. STERLING *Associate Professor of English Emeritus*
A.B., A.M., Syracuse University; Litt.D., Lycoming College.

PROFESSORS

- GEORGE W. HOWE (1949) *Professor of Biology and Geology*
A.B., M.S., Syracuse University; Ph.D., Cornell University
- ERIC H. KADLER (1960) *Professor of French*
Graduation Diploma, University of Prague; M.A., Ph.D., University of Michigan.
- FRANCES E. KNIGHTS SKEATH (1947) *Professor of Mathematics*
A.B., M.A., Bucknell University; D.Ed., The Pennsylvania State University.
- DAVID G. MOBBERLEY (1958) *Dean of the College; Professor of Biology*
B.S., Baldwin-Wallace College; M.S., University of Michigan; Ph.D., The Iowa State University.
- LORING B. PRIEST (1949) *Divisional Director, Social Sciences;
Professor of History*
Litt.B., Rutgers University; M.A., Ph.D., Harvard University.
- ROBERT W. RABOLD (1955) *Divisional Director, Business Administration;
Professor of Economics*
B.A., The Pennsylvania State University; M.A., Ph.D., University of Pittsburgh.
- JOHN A. RADSPINNER (1957) *Professor of Chemistry*
B.S., University of Richmond; M.S., Virginia Polytechnic Institute; D.Sc., Carnegie Institute of Technology.

- ERIC V. SANDIN (1946) *Divisional Director, Humanities;
Professor of English*
B.S., Wesleyan University; M.A., Columbia University; Ph.D., University of Illinois.
- GEORGE S. SHORTESS (1948) *Divisional Director, Natural Sciences;
Professor of Biology*
A.B., Johns Hopkins University; M.A., Columbia University; Ph.D., Johns Hopkins University.
- J. MILTON SKEATH (1921) *Mace Bearer and Professor of Psychology*
A.B., Dickinson College; M.A., University of Pennsylvania; Ph.D., The Pennsylvania State University.
- HELEN BREESE WEIDMAN (1944) *Professor of Political Science*
A.B., M.A., Bucknell University; Ph.D., Syracuse University.
- FLORENCE M. A. HILBISH (1960) *Visiting Professor of English*
A.B., Dickinson College; M.A., University of Pittsburgh; Ph.D., University of Pennsylvania.

ASSOCIATE PROFESSORS

- JOSEPH D. BABCOCK (1931) *Associate Professor of Physics*
A.B., Dickinson College; M.A., Bucknell University.
- DAVID C. BUSEY (1954) *Associate Professor of Physical Education*
B.S., M.S., University of Illinois.
- ROBERT H. BYINGTON (1960) *Associate Professor of English*
A.B., University of Pennsylvania; M.A., Lehigh University; Ph.D., University of Pennsylvania.
- JOHN W. CHANDLER (1952) *Associate Professor of Art*
A.B., St. Anselm's College; M.Ed., Boston University.
- ROBERT H. EWING (1947) *Associate Professor of History*
A.B., College of Wooster; M.A., University of Michigan.
- W. ARTHUR FAUS (1951) *Associate Professor of Philosophy*
A.B., Dickinson College; S.T.B., Ph.D., Boston University.
- NOEL FRANCISCO (1961) *Associate Professor of Sociology and Anthropology*
B.A., M.A., B.D., Drake University; Ph.D., Duke University.
- PHIL G. GILLETTE (1929) *Associate Professor of German and Spanish*
A.B., Ohio University; M.A., Columbia University.
- ELOISE GOMPF (1960) *Associate Professor of History*
A.B., Western College; A.M., Ph.D., Indiana University.

- JOHN P. GRAHAM (1939) *Marshal of the College and
Associate Professor of English*
Ph.B., Dickinson College; M.Ed., The Pennsylvania State University.
- M. RUTH GRIERSON (1955) *Librarian With Rank of Associate Professor*
A.B., Alma College; A.B.L.S., University of Michigan; M.S., Columbia University.
- JOHN G. HOLLENBACK (1952) *Assistant Marshal of the College and
Associate Professor of Business Administration*
B.S., M.B.A., University of Pennsylvania.
- JAMES K. HUMMER (1962) *Associate Professor of Chemistry*
B.N.S., Tufts University; M.S., Middlebury College; Ph.D., University of North Carolina
- WALTER G. MCIVER (1946) *Associate Professor of Voice*
Mus.B., Westminster Choir College; A.B., Bucknell University; M.A., New York University.
- CARRIE E. MILLER (1958) *Associate Professor of Psychology*
B.S., Kansas State Teachers College; M.A., Ph.D., University of Denver.
- LOGAN A. RICHMOND (1954) *Associate Professor of Business Administration*
B.S., Lycoming College; M.B.A., New York University; C.P.A. (Pennsylvania)
- MARY LANDON RUSSELL (1936) *Associate Professor of Organ, Piano*
Mus.B., Susquehanna University Conservatory of Music; M.A., The Pennsylvania State University.
- JAMES W. SHEAFFER (1949) *Associate Professor of Music*
B.S., Indiana State College; M.S., University of Pennsylvania.
- °OTTO L. SONDER, JR. (1956) *Associate Professor of Sociology
and Anthropology*
B.A., American University; M.A., Bucknell University.
- JOHN A. STUART (1958) *Associate Professor of English*
B.A., William Jewell College; M.A., Ph.D., Northwestern University.

ASSISTANT PROFESSORS

- MAC E. BARRICK (1961) *Assistant Professor of Spanish*
A.B., Dickinson College; M.A., University of Illinois.
- CLARENCE BURCH (1962) *Assistant Professor of Physical Education*
B.S., M.Ed., University of Pittsburgh.
- JOHN H. CONRAD (1959) *Assistant Professor of Education*
B.S., Mansfield State College; M.A., New York University.

° on leave, first semester, 1963-64.

- NORMAN R. CORWIN (1963) *Assistant Professor of Sociology and Anthropology*
B.S., California State Polytechnic College; M.Th., Southern California School of Theology; Ph.D., Boston University.
- °WILLIAM W. DERBYSHIRE (1961) *Assistant Professor of Russian*
A.B., M.A., University of Pennsylvania.
- PAUL J. FAIR (1961) *Assistant Professor of Economics*
B.S., Grove City College; M.B.A., New York University.
- BERNARD P. FLAM (1963) *Assistant Professor of Spanish*
A.B., New York University; M.A., Harvard University; Ph.D., University of Wisconsin.
- DAVID H. FREDERICK (1961) *Assistant Professor of Chemistry*
A.B., Utica College of Syracuse University; Ph.D., Cornell University.
- THEODORE K. FRUTIGER (1956; 1960) *Assistant Professor of Mathematics*
A.B., Bucknell University; M.S., The Pennsylvania State University.
- ELEANOR RADCLIFFE GARNER (1957) *Assistant Professor of English*
A.B., A.M., George Washington University.
- EDWARD GUERRA (1960) *Assistant Professor of Religion*
B.D., Southern Methodist University; S.T.M., Union Theological Seminary, New York.
- HOWARD L. HARER (1961) *Assistant Professor of Mathematics*
B.S., M.A., Bucknell University.
- M. RAYMOND JAMISON (1962) *Assistant Professor of Physics and Chemistry*
B.S., Ursinus College; M.S., Bucknell University.
- ELIZABETH H. KING (1956) *Assistant Professor of Business Administration*
B.S., Geneva College; M.Ed., The Pennsylvania State University.
- PETER R. KREMER (1963) *Assistant Professor of Biology*
B.S., University of Akron; M.S., Cornell University.
- DONALD W. MILLHOLLAND (1962) *Assistant Professor of Religion*
A.B., Duke University; B.D., Union Seminary.
- GLEN E. MORGAN (1961) *Assistant Professor of Music*
B.M., M.M., Ph.D., Indiana University.
- NEALE H. MUCKLOW (1957) *Assistant Professor of Philosophy*
A.B., Hamilton College; Ph.D., Cornell University.
- L. PAUL NEUFER (1960) *Assistant Professor of Religion*
A.B., Dickinson College; S.T.B., S.T.M., Boston University.

° on leave, 1963-64.

- ROGER W. OPDAHL (1963) *Assistant Professor of Economics*
A.B., Hofstra College; M.A. Columbia University.
- CHARLES W. RAISON (1961) *Assistant Professor of Speech and Theatre*
B.A., Michigan State University; M.F.A., Tulane University.
- DONALD GEORGE REMLEY (1946) *Assistant Professor of Physics
and Mathematics*
A.B., Dickinson College; M.A., Columbia University.
- THOMPSON RHODES (1961) *Assistant Professor of Religion*
B.S., University of Cincinnati; B.D., Ph.D., Drew University.
- SHU-SHEN SAH (1962) *Assistant Professor of Mathematics*
B.A., National Peiping Normal University; M.Ed., M.S., University of Illinois.
- CHARLES F. SEIDEL (1962) *Assistant Professor of Psychology*
A.B., Lycoming College; M.A., Temple University; Ph.D., University of Liverpool.
- GEORGE K. SHORTESS (1963) *Assistant Professor of Psychology*
A.B., Lycoming College; M.A., Ph.D., Brown University.
- CLIFFORD O. SMITH (1963) *Assistant Professor of Psychology*
A.B., Lycoming College; M.A., Stanford University.
- RICHARD T. STITES (1959) *Assistant Professor of History*
B.A., University of Pennsylvania; M.A., George Washington University.
- MURIEL L. TOPPAN (1960) *Cataloging Librarian With
Rank of Assistant Professor*
A.B., M.A., Boston University; M.S.L.S., Simmons College.
- SALLY F. VARGO (1953) *Assistant Professor of Physical Education*
B.S., The Pennsylvania State University; M.S., Bucknell University.
- DONALD C. WALL (1963) *Assistant Professor of English*
A.B., Syracuse University; M.A., Ph.D., Florida State University.
- BUDD F. WHITEHILL (1957) *Assistant Professor of Physical Education*
B.S., Lock Haven State College; M.Ed., The Pennsylvania State University.
- LOUIS V. WILCOX, JR. (1961) *Assistant Professor of Biology*
A.B., Colgate University; M.S., Cornell University.
- HOUO JOEI YU (1963) *Assistant Professor of French*
M.A., Universite Franco-Chinoise, Peking; Ph.D., University of Lyon, France; Ph.D.,
University of Warsaw, Poland.
- JOHN J. ZIMMERMAN (1962) *Assistant Professor of Education*
B.S., Mansfield State College; M.S., Montclair State College.

INSTRUCTORS

- MYRNA A. BARNES (1959) *Circulation Librarian With Rank of Instructor*
A.B., University of California at Los Angeles.
- LAURA M. COLEMAN (1959) *Reference Librarian With Rank of Instructor*
B.S., Millersville State College.
- PATRICIA CONNER (1963) *Instructor in Physical Education*
B.S., Lock Haven State College.
- VOLKER O. DURR (1962) *Instructor in French and German*
A.B., Lycoming College.
- A. MAURICE HAGGIAG (1963) *Instructor in French*
Cert. d'Etudes (Paris); Diplome de Langue Française.
- C. DANIEL LITTLE (1963) *Instructor in Political Science*
A.B., Lycoming College; M.P.A., Syracuse University.
- GERTRUDE B. MADDEN (1958) *Instructor in English*
A.B., University of Pennsylvania; M.A., Bucknell University.
- MARION E. MAYNARD (1959) *Instructor in English*
A.B., Bucknell University.
- JOHN W. MCCLURG (1963) *Instructor in Art*
A.B., M.A., University of Tulsa.
- °DONNA K. MILLER (1960) *Instructor in Physical Education*
B.S., Lock Haven State College.
- HELGA MUELDER (1963) *Instructor in German*
A.B., Boston University.
- NELSON PHILLIPS (1959) *Instructor in Physical Education*
B.S., Springfield College.
- MARY SAMARIN (1963) *Instructor in Russian*
A.B., Wayne State University; M.A., Michigan State University.
- LOUISE R. SCHAEFFER (1962) *Instructor in Education*
A.B., Lycoming College; M.A., Bucknell University.
- JANICE M. STEBBINS (1960) *Instructor in Biology*
B.S., Lycoming College.
- WILLIAM E. UPDEGRAFF (1962) *Instructor in Physics*
B.S., Dickinson College; M.S., The Pennsylvania State University.

° on leave, 1963-64.

LECTURERS

- CARL S. BAUER (1946) *Lecturer in Mathematics*
 B.S., M.Ed., The Pennsylvania State University.
- MILTON S. CUSHMAN (1963) *Visiting Lecturer in History*
 A.B., M.A., Tulane University.
- MASOOD GHAZNAVI (1961) *Lecturer in History and Political Science*
 B.A., LL.B., University of the Panjab.
- DON L. LARRABEE (1945), Attorney at Law *Lecturer in Law*
 A.B., Allegheny College; Graduate Division of the Wharton School; Law School of
 The University of Pennsylvania.

PART-TIME INSTRUCTORS

- GEORGE J. BOSSERT *Education*
 B.S., Lock Haven State College; M.A., Bucknell University.
- DANIEL R. CONEY, JR. *Accounting*
 B.S., Lycoming College.
- WALLACE J. CUMMINGS *Psychology*
 A.B., The Pennsylvania State University; S.T.B., Wesley Theological Seminary.
- DONALD DAUGHIENBAUGH *Assistant Basketball Coach*
 B.S., Stroudsburg State College; M.S., Boston University.
- JOHN DICE *Education*
 B.S., Lock Haven; M.S., Bucknell University.
- BARBARA DISSINGER *Music*
 B.M., M.M., Westminster Choir College.
- KATHARINE FETTER *Art*
 B.S., Kutztown State College.
- CLARENCE W. GREEN *Assistant Football Coach*
 B.S., Lock Haven State College; M.S., Bucknell University.
- BERNARD LANSBERRY *Education*
 B.S., M.Ed., The Pennsylvania State University.
- ROBERT G. LESHER *Education*
 A.B., Lycoming College; M.S., Bucknell University.
- MORTON RAUFF *Swimming Coach*
- ELOISA D'AGOSTINO RICHMOND *Italian*
 Abilitazione Magistrale, Italy.
- JAMES WEIR *Accounting*
 B.S., Lycoming College; C.P.A. (Pennsylvania)

MICHAEL WELCH	<i>Theatre</i>
B.A., Michigan State University; M.F.A., Tulane University.	
NED E. WELLER	<i>History</i>
A.B., Lycoming College; S.T.B., Boston University.	
MARGARET WILCOX	<i>Biology</i>
A.B., Earlham College; M.S., University of Cincinnati.	

ADMINISTRATIVE ASSISTANTS

LOUISE BANKS	<i>Secretary to the Librarian</i>
NORA L. BARTLETT	<i>Library Assistant</i>
EVELYN BAUSINGER	<i>Clerk in the Registrar's Office</i>
EMILY C. BICILE	<i>Secretary to the Treasurer</i>
DUDLEY BOSTWICK	<i>Manager of Food Service</i>
EVELYN H. BREON	<i>Faculty Stenographer</i>
FRANCES BURNS	<i>Secretary to the Director of Admissions</i>
CONSTANCE CHRIST	<i>Cashier - Bookkeeper</i>
JUNE L. EVANS	<i>Secretary to Education and Placement</i>
MARTHA C. GRAMLEY	<i>Library Assistant</i>
HELEN HASSKARL	<i>Secretary to the Department of Athletics</i>
MARGARET HEINZ	<i>Bookstore Assistant</i>
PHYLLIS HOLMES	<i>Secretary to the President</i>
HELEN M. HUNT	<i>Clerk in the Registrar's Office</i>
JANE KIESS	<i>Secretary in the Admissions Office</i>
WELTHA P. KLINE	<i>Secretary to the Dean of the College</i>
RUTH E. KOHR	<i>Recorder</i>
EDITH LIPFERT	<i>Library Assistant</i>
BETTY PARIS	<i>Secretary to the Director of Development</i>
LEVERDA E. RINKER	<i>Secretary to the Director of Public Relations</i>
MARIAN L. RUBENDALL	<i>Secretary to the Dean of Students</i>
SANDRA L. SCHOOLEY	<i>Assistant in the Treasurer's Office</i>
CAROL J. SORTMAN	<i>Secretary to the Assistant to the President</i>
DOROTHY STREETER	<i>Manager of the Bookstore</i>
BETTY JUNE SWANGER	<i>Accountant</i>
VIVIAN YOUNKIN	<i>Supervisor of Housekeeping</i>

MEDICAL STAFF

FREDERIC C. LECHNER, M.D. B.S., Franklin and Marshall College; M.D., Jefferson Medical College.	<i>College Physician</i>
ROBERT S. YASUI, M.D. M.D., Temple University.	<i>College Surgeon</i>
RUTH J. BURKET, R.N. Hamot Hospital School of Nursing.	<i>College Nurse</i>
EMALINE W. DEIBERT, R.N. Williamsport Hospital School of Nursing.	<i>College Nurse</i>
J. LOUISE PARKIN, R.N. Geisinger Memorial Hospital School of Nursing.	<i>College Nurse</i>
ABBIE KENT, R.N. Williamsport Hospital School of Nursing.	<i>College Nurse</i>



DEGREES CONFERRED

Honorary Degrees Conferred

- HARRY N. PEELOR, D.D. 1963
*Pastor, Christ Methodist Church
Bethel Park, Pittsburgh, Pennsylvania*
- TSING-YAO LEA, L.H.D. 1963
*Personal Secretary to Madame Chiang Kai Shek
Taipei, Taiwan, Republic of China*
- ROGER STANLEY FIRESTONE, LL.D. 1963
*President, Firestone Plastics Co.
Pottstown, Pennsylvania*
- HERBERT MACMILLAN GOULD, LL.D. 1963
*Retired Executive, General Motors Corp.
Birmingham, Michigan*
- WILLIAM VERNON MIDDLETON, LITT.D 1963
*Bishop, The Methodist Church
Western Pennsylvania Area*

Bachelors Degrees Conferred

◦ Cum Laude

◦◦ Magna Cum Laude

CLASS OF 1963

Bachelor of Arts Degree

- | | |
|-------------------------------|--------------------------------|
| George Kenneth Adams | Jay Dearborn Edwards |
| Martin Dailey Allenbaugh | Elon Gerald Eidenier |
| ◦◦ Betty Moore Askey | John George Engle, Jr. |
| ◦◦ Robert James Barrett | Mary Virginia Evans |
| Julia Elizabeth Bell | Joseph Alexander Fabian |
| William Howard Benson | ◦ Barbara Lou Felix |
| Sharon Louise Berndt | Jay Arnold Fetterman |
| Edward Michael Bock, Jr. | Floyd Alton Fisher |
| Lawrence Joseph Bongiovi | Helen Louise Fitzgerald |
| Charles Albert Brooke | Thomas Dennis Fortin |
| Joseph Oliver Bunce | William Alfred Foster |
| Joan Louise Carlson | Marvin George Freid, Jr. |
| William Emlon Chillas | ◦◦ James Michael Frey |
| ◦ David Benjamin Clark | Anne Dorothy Quinn Fries |
| William Stem Clewell | ◦ Nancy Ann Gramley |
| Jerry Alton Cline | Larry Carl Grimm |
| James Mansel Clinger | Edward John Haff |
| Brian Lee Cloud | ◦◦ Carol Ann Harris |
| Marvin Arthur Cochran | Barbara Ann Hawes |
| Mary Ann Coder | Dorothy Corson Heincelman |
| Joseph Herbert Confer, Jr. | Richard Lesslie Hessert |
| Suellen Converse | Carl Otto Hieber |
| Dennis Foster Cook | Judith Lois Hobbs |
| Arthur James Cox | ◦ Albert Aaron Hoch |
| ◦ Richard Albert Dapra | James Lee Hoffman |
| ◦ Evelyn E. McConnell Derrick | Sandra J. Hopf |
| ◦ Dolores Ann Dunlap | Robert Arthur Houseknecht, Jr. |
| John Henry Dunston | Julianna Huang |

- °° Constance Winifred Jacobs
- Roberta Kay Jones
- Sylvia Lana Kadleck
- °° Ralph Henry Kaiser
- Mary Josephine Keliher
- ° Gerdi D. Kelsey
- William Ernest Kendrick, Jr.
- Jere Edison Kerr
- Robert Lawrence King
- Andrew Albert Kmiecik, Jr.
- Richard Lewis Kohr
- Walter Francis Kolonosky
- ° Frederick Kozma, Jr.
- Joel David Kuhns
- Jack Keith Lingenfelter
- °° Robert Glenn Little, Jr.
- Michael Bruce Livingston
- ° Horace Hamilton Lowell
- Carolyn-Kay Miller Lundy
- Edward Lawrence MacGorman
- Roger Dale MacNamara
- ° Maxine Miriam Mamolen
- Penelope Ann Mays
- Brian James McHugh
- James Richard McKee
- Bruce Allan McNally
- Jeanne Marie McNamee
- ° Maureen Jean Milek
- Gordon Henry Miller
- Wayne Montgomery Moffatt
- William M. Mohney
- Fred Eugene Morrow, Jr.
- Richard Paul Mumaugh
- ° Caroline Agnes Myers
- Sidney Beck Ocker
- Judith Joyce O'Connor
- Rodney Hester Opp
- Robert Edward Pac
- Kathryn Louise Parkin
- MaryAnita Peck
- John Hartman Persing
- Stanley Leroy Peters, Jr.
- David Lynne Phillips
- Patrick Henry Pierce
- Barbara Joan Plushanski
- ° Robert Eugene Porter
- °° Sandra Porter
- ° Francis Marion Putnam, Jr.
- Russell Barry Redvanly
- Larry William Richardson
- ° Kathryn Louise Rickert
- Jane Esther Rust
- Marilyn Jane Rutt
- ° Diane Lee Rutter
- Dorothy Ferrell Sandmeyer
- Robert Joseph Sarno
- David Lawrence Schemery
- Margery Ann Schrader
- Linda Mae Sechrist
- Thomas Giles Senior
- Neil James Shipman
- °° Gladys Brass Shook
- Richard Clark Shuler
- ° Barbara Lou Smith
- ° Beverly Joyce Smithson
- Marlin Ralph Spotts
- Harry Anthony Staib
- Sylvia Marie Starr
- Noelle Ione Stretton
- °° Karen Rundquist Swick
- Bruce Reynolds Thomas
- Carl Adam Thomas
- ° William Charles Thomas
- Edgar Mitchell Walker
- James Conrad Watkins
- ° Janice Marie Webster
- °° Louise Bair Wertman
- Carol Ann Williams
- Richard Henry Williams
- ° Daniel Charles Wurster
- ° Anya Zalyba
- °° Terry Lee Ziegler

Bachelor of Science Degree

- | | |
|-----------------------------|---------------------------|
| William James Ainsworth | Carolyn Gay Kohler |
| Richard Wayne Allen | William Leroy Landis |
| Julia Hoffman Beighley | Andrew Grove Landon |
| ◦◦ Ann Louise Bennett | John Ernest Larson |
| ◦ Elizabeth Anne Benyo | Charles William Luppert |
| John Eves Biddle, Jr. | ◦ Benedict John Mazzullo |
| Joseph F. Blaschak | Hugh Victor McNelly |
| Richard Potteiger Bollman | Arwood Eugene Mitstifer |
| John T. Brachbill | ◦ Loretta Craig Moffatt |
| Christine Margaret Budney | ◦◦ Beverly Ann Quail |
| Newell Fairchild Butler | Stephen Charles Reiser |
| Robert Douglas Clokey II | Thomas Francis Rider |
| Joseph Guy Colclough | Marleen Bangs Ritchie |
| Frederick Bruce Corbett | Robert Edgar Ruffaner |
| Edmund Coleman Craft | R. Frederick Scheid |
| Jerry Raymond Doolin, Jr. | Hilda Mary Scott |
| Victor Alexander Eckert | Bonnie Estelle Silvernail |
| Durant Larimer Furey III | John William Snyder |
| Mary K. Gage | Alva Clifford Swales |
| Charles Edward George, Jr. | John Joseph Tarditi, Jr. |
| Joseph George Hamm | Robert Reedy Thomas |
| Raymond Larue Hill | Kenneth Douglas Thompson |
| Belmon Michael Hollick | David Leonard Tuxill |
| Marvin Theodore Hudson, Jr. | Albert Gerrit Van Zanten |
| Robert McCurdy Hunter | Lawrence Leonard Verdekal |
| Carol Twigg Jacobs | ◦◦ Helen J. Wadlow |
| William Jefferson | Robert Paul Wahlers |
| Oretha E. Johnson | Henry John Wenzel, Jr. |
| Harold Jay Judis | ◦ Margaret Furst Williams |
| Vivian L. Sholder Kern | Glenn Thomas Wootton |
| Roberta Corter Kerr | Charles Floyd Yetter III |

The Alumni Association

The Alumni Association of Lycoming College has a living membership of almost five thousand men and women. It is governed by an Executive Board of five officers and twenty-one members nominated and elected by the membership. It elects annually a member to the Board of Directors of the College for a three-year term. The Assistant to the President of the College directs the activities of the Alumni Office.

The Alumni Association of Lycoming College has two objectives: (1) to promote the interests of the College, and (2) to foster among its members loyalty and devotion to their alma mater. All persons who have successfully completed one year of study at Lycoming College, or Williamsport Dickinson Junior College, and all former students of Williamsport Dickinson Seminary are members of the Association.

The Alumni Office is located in room 208 on the second floor of Old Main. Arrangements for Homecoming, Alumni Day, Class Reunions, Club meetings and similar activities are coordinated through this office. There are active Alumni Clubs in Harrisburg, Philadelphia, Pittsburgh and State College, Pennsylvania; Northern New Jersey; Rochester and Syracuse, New York.

Lycoming College holds Class A, B, and C memberships in the American Alumni Council. Through its Alumni Fund, the Alumni Office is closely associated with the Development Program of the College.

Acting as the representative of alumni on the campus, and working also with undergraduates, the Alumni Office aids in keeping alumni informed and interested in the program, growth and activities of the College.

Communications to the Alumni Association should be addressed to the Alumni Office.

INDEX

Index

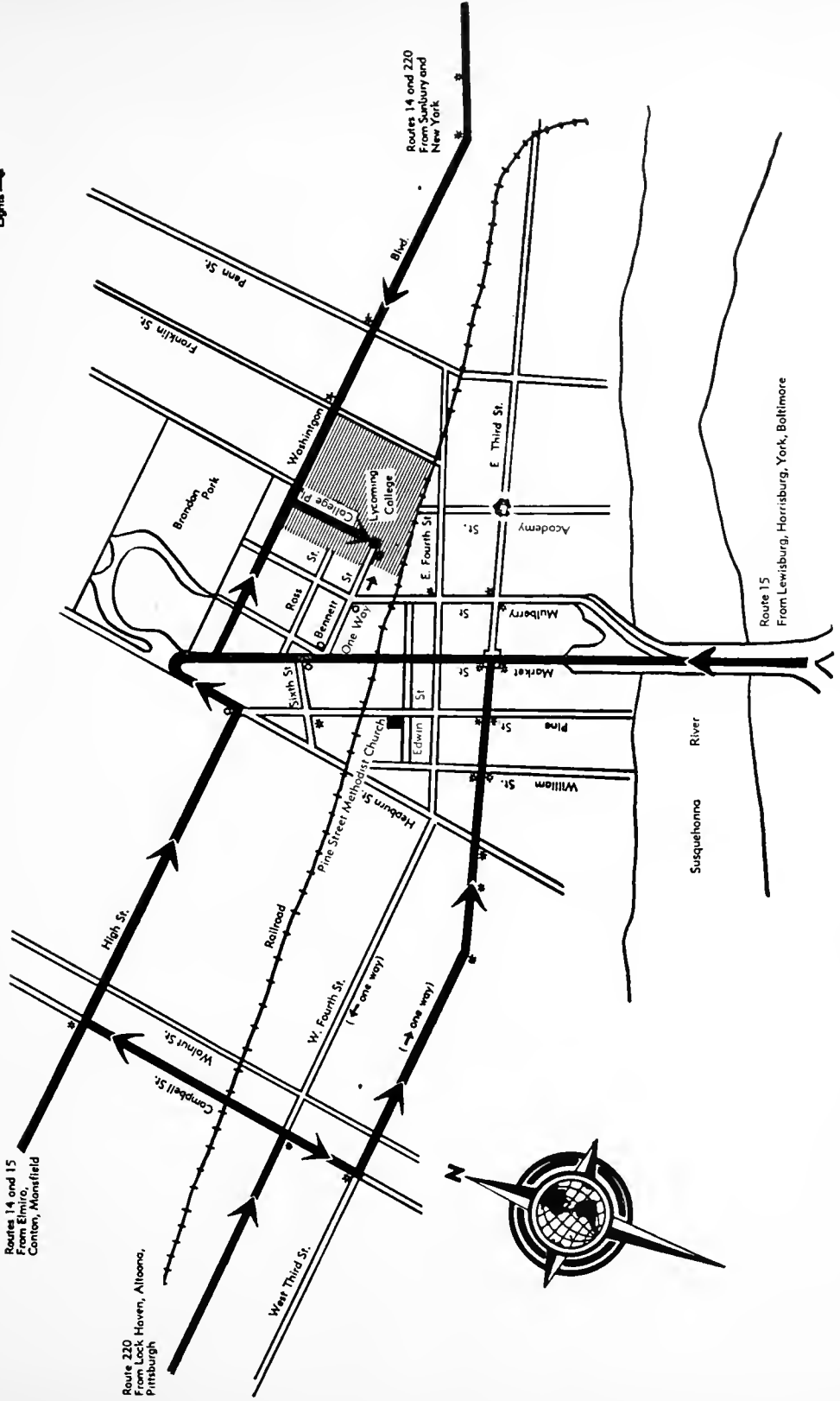
	PAGE		PAGE
Academic Standing	23	Italian	82
Accounting	68	Law	86
Accrediting	1	Mathematics	86
Administrative Assistants	112	Music	87
Administrative Staff	104	Philosophy	90
Admissions Office	21	Physical Education	91
Advanced Standing	20	Physics	92
Alcoholic Beverages	61	Political Science	93
Alumni Association	120	Psychology	94
American Civilization Major	31	Religion	95
Application Procedure	18, 40	Russian	82
Art	69	Sociology and Anthropology	96
Attendance, Class	23	Spanish	83
Automobiles	62	Speech	97
		Statistics	97
Bachelors Degrees Conferred	117	Theatre	97
Biology	71	Cultural Influences	50
Board of Directors	102	Curricula	31
Books and Supplies	41	American Civilization	31
Business Administration	36, 72	Preparation for Dental School	31
		Cooperative Curriculum in	
Calendar	5	Engineering	32
Calendar, Academic	8	Cooperative Curriculum in	
Campus Life	48	Forestry	32
Chemistry	74	Preparation for Law School	33
Clubs and Organizations on campus	51	Preparation for Medical College	33
College Publications	51	Preparation for Theological	
Communications with the College	4	Seminary	34
Contents	3	Curriculum in Religion and	
Cooperative Curricula	32	Religious Education	34
Counseling Program	58	Teacher Education	34
Courses	68	Secondary Education	35
Accounting	68	Elementary Education	35
Art	69	Business Administration	36
Biology	71	Medical Technology	37
Business Administration	72	Czech	80
Chemistry	74		
Czech	80	Damage Charges	43
Economics	75	Degree Programs	
Education	77	Departmental Structure	24
English	78	Unit Course	24
Foreign Languages and Literatures	80	Degree Requirements	26
French	81	Freshman English	27
Geology	83	Foreign Language or Mathematics	27
German	81	Religion or Philosophy	28
Greek	82	Fine Arts	28
History	84	Natural Science	28
International Relations	85	History and Social Science	28

	PAGE		PAGE
Degrees Conferred		International Relations	85
Honorary	116	Intramural Athletics	58
Bachelor	117	Italian	82
Dental School, Preparation for	31		
Departmental Honors	29	Junior Year Abroad	30
Departmental Structure	24	Latin	82
Deposit	40	Law	86
Discipline	60	Law School, Preparation for	33
Distribution Requirements	26	Loans	44
Divisions	68	Locale	12
		Major	25
Early Admission	19	Marriage	63
Economics	75	Mathematics	27, 86
Education	77	Medical College, Preparation for	33
Engineering	32	Medical Staff	113
English	78	Medical Technology	37
Evening Classes	21	Music	87
Expenses	40	Private Instruction in:	
		Piano	89
Facilities	55	Voice	89
Faculty	105	Strings	89
Fees	40	Organ	89
Financial Aid	43	Brass	89
Folklore Society, Pennsylvania	51	Woodwinds	89
Foreign Languages and Literatures	27, 80	Percussion	89
Forestry	32		
Fraternities	52	Normal Student Load	24, 40
French	81		
Freshman Customs	57	Objectives and Purpose	10
		Organizations and Clubs on campus	51
Geology	83	Orientation	57
German	81	Overload	24, 40
Grading System	22		
Graduation Requirements	22	Payment of Fees	42
Grants-in-Aid	44	Payments, Partial	42
Greek	82	Pre-College Enrollment	20
		Philosophy	28, 90
Health Services	64	Physical Education	91
History	11, 28, 85	Physical Examination	64
Honor Societies	53	Physics	92
Honorary Degrees Conferred	116	Placement Service	58
Honors, Academic	22	Political Science	93
Honors, College	53	Programs and Rules	57
		Psychology	94
Independent Study	29	Publications and Communications	51
Infirmary Service	64	Purpose and Objectives	10
Insurance	64		
Intercollegiate Sports	57		

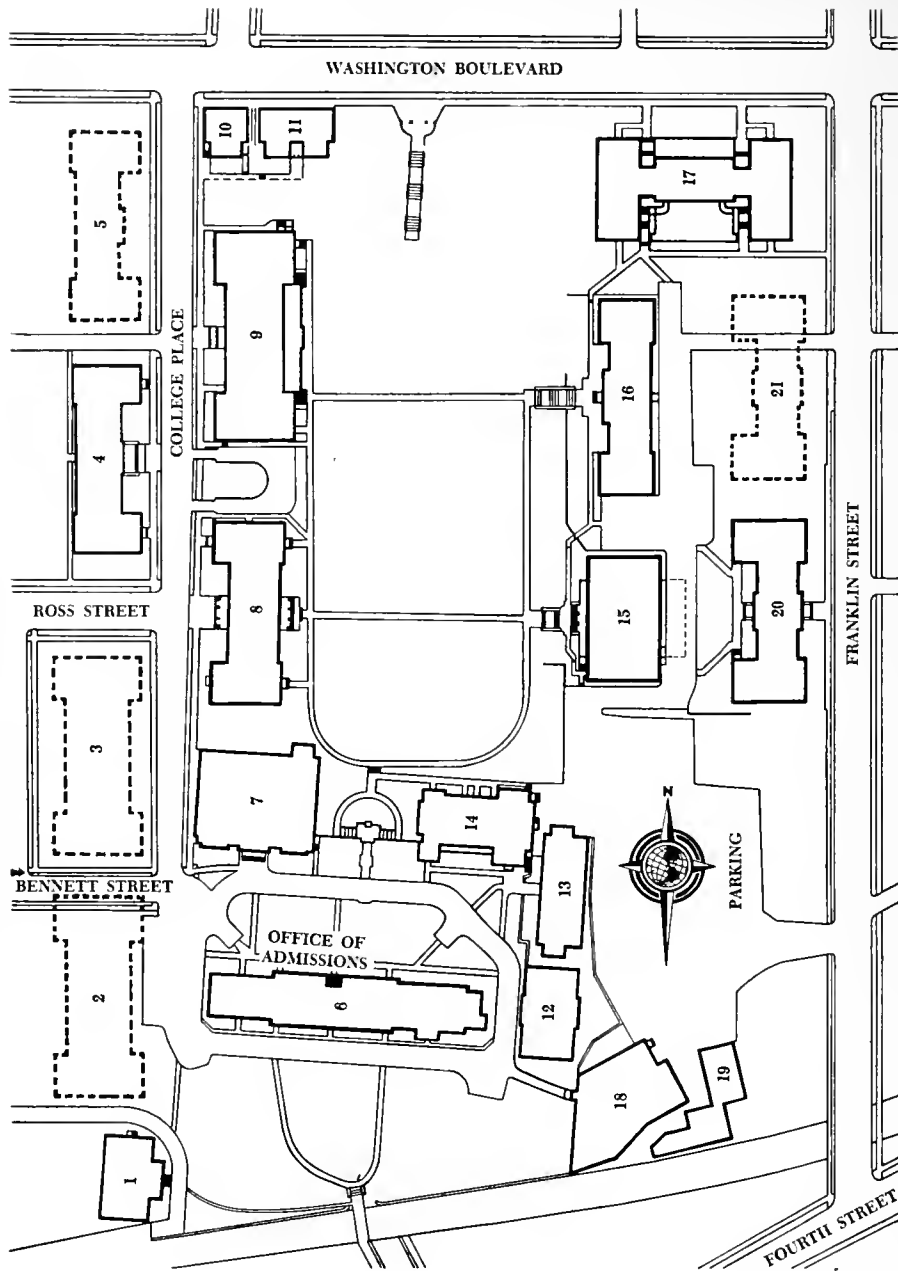
	PAGE		PAGE
Refunds	42	Student Government	49
Regulations	60	Student Publications	51
Religion	28, 34, 95	Students, Classifications of	23
Religious Life	48	Summer Sessions	8, 21
Residence	59		
Russian	82	Table of Contents	3
		Teacher Education	34
Seminar Study	29	Theatre	97
Social and Cultural Influences	50	Theological Seminary, Preparation for	34
Sociology and Anthropology	96	Traditions	13
Spanish	83		
Special Opportunities	28	Unit Course	24
Independent Study	29	United Nations Semester	30
Seminar Study	29		
Departmental Honors	29	Veterans, Provisions for	59
Washington Semester	30		
United Nations Semester	30	Washington Semester	30
Junior Year Abroad	30	Withdrawals	42
Speech	97	Workshops	44
Standards	22		
Statistics	97		

LYCOMING COLLEGE, WILLIAMSPORT, PENNSYLVANIA

Stop Signs —○
Lights —●



LYCOMING COLLEGE CAMPUS



CAMPUS BUILDING CODE

1. Eveland Hall Building
2. Future Classroom Building
3. Future Classroom Building
4. Women's Dormitory
5. Future Women's Dormitory
6. Old Main
7. Gymnasium
8. Rich Hall
9. Student Activities Building
10. President's Residence
11. Fine Arts Building
12. Bradley Hall
13. Memorial Hall
14. Clarke Chapel
15. John W. Long Library
16. Wesley Hall
17. Fraternity Residence Hall
18. Science Building
19. Maintenance Building
20. Men's Dormitory
21. Future Men's Dormitory

AAA Mileage from Lycoming College to:

Akron	290
Albany	268
Allentown	122
Altoona	95
Baltimore	163
Binghamton	126
Buffalo	200
Clarksburg	300
Cleveland	296
Elmira	75
Erie	235
Harrisburg	90
New York City	205
Philadelphia	182
Pittsburgh	200
Rochester	167
Scranton	88
Syracuse	163
Utica	216
Washington	200
Wilkes-Barre	68
Wilmington	174

