

GRADUATE STUDIES



BLOOMSBURG STATE COLLEGE

BLOOMSBURG, PENNSYLVANIA

JANUARY 1965

GRADUATE BULLETIN

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BLOOMSBURG STATE COLLEGE

BLOOMSBURG, PENNSYLVANIA

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ACCREDITED BY

Pennsylvania State Council of Education
Middle States Association of Colleges and Secondary Schools
National Council for Accreditation of Teacher Education



SUTLIFF HALL

A Modern Well-Equipped Class Room Building

THE COLLEGE

LOCATION

Situated on a hill overlooking the beautiful Susquehanna River, the Bloomsburg State College campus of more than 100 acres is within the town limits of Bloomsburg. This thriving community, with a population in excess of 10,000, is located 75 miles northeast of Harrisburg on U. S. Route 11. Regularly scheduled public transportation is available to surrounding cities and towns with express bus service to Philadelphia, 125 miles southeast, New York City, 155 miles east, and Washington, D.C., 185 miles south.

HISTORY

The Bloomsburg State College has passed through many stages since the founding of the Bloomsburg Academy in 1839. The Academy became the Bloomsburg Literary Institute in 1856 and by 1869 was designated as the Bloomsburg Literary Institute and State Normal School. In 1927 the Bloomsburg State Normal School, a name acquired in 1916, became the Bloomsburg State Teachers College. With the change in name, the long established program for the training of elementary teachers was enlarged to include a four-year degree curriculum. A business teacher-training program was introduced in 1930 as a part of the expansion of curricular offerings for secondary school teachers. By 1950 the College was fully accredited by the Middle States Association of Colleges and Secondary Schools, an accreditation which was reaffirmed in 1960 and extended to include a program of graduate studies. This same year the College reached another historic milestone in its life as it became the Bloomsburg State College.

ACCREDITATION

Bloomsburg State College is fully accredited by the National Council for Accreditation of Teacher Education and the Middle States Association of Colleges and Secondary Schools, and has been approved to offer the Master of Education degree by the Pennsylvania State Board of Education.



COLLEGE COMMONS

A Modern Dining Hall With Service Available To All Students

CAMPUS

For several years before college enrollments began to soar, President Andrus and the Board of Trustees sensed the need for a coordinated, long-range campus plan of building and development. The idea bore fruit in 1957 when Bloomsburg became the first State Teachers College in Pennsylvania to have a campus plan approved by the Department of Public Instruction.

The development of the campus plan has been accompanied by the most extensive building program in the history of the college. Since 1956, the General State Authority has listed for Bloomsburg fifteen projects, totaling nearly fifteen million dollars.

Seven projects in this list have already been completed at a cost of approximately five million dollars. They include the College Commons

(1956), Sutliff Hall (1958), New North Hall dormitory for men (1958), East and West Hall dormitories for women (1964), two additions which have doubled the capacity of the Heating Plant (1964), and an extension of utilities.

Appropriations have been allocated and bids are being prepared for another four million dollars of construction. This will include an auditorium with a seating capacity of 2,000, a dormitory to accommodate 300 men (on the site of Old-North Hall), and a library which can seat 750 students and house 200,000 volumes.

Designs are already on the drawing boards for three projects which will cost nearly four and a half million dollars. When these are completed, the college will have a new athletic field, a science classroom building adjacent to Sutliff Hall, and another extension of utilities. More recently, architects have been appointed to prepare plans for two dormitories to house a total of 672 men. These will be located on the grass plots across the street from Long Porch.

The campus plan also calls for another dormitory for women, two classroom buildings, and a student center.

LIVING ACCOMMODATIONS

Housing for Bloomsburg State College students is available in modern well-kept dormitories. Meals are served in the pleasant atmosphere of the new College Commons. These facilities are available to graduate students during the summer term at a reasonable cost. Requests for information concerning available dormitory accommodations may be secured by writing the Dean of Students.

NEW NORTH HALL
Men's Residence Hall



LIBRARY

The College Library, located in the specially designed and extensively remodeled quarters in Waller Hall, provides up-to-date facilities and open stacks for the graduate student. Professional librarians including a reference librarian are available to assist graduate students in their research activities.

The ever-increasing collection of books and bound periodicals now totals nearly 70,000 volumes and is supplemented by an extensive picture and pamphlet file. Included in the collection is a juvenile library of 7,000 volumes located in the Benjamin Franklin Laboratory School. Library holdings related to fields of graduate study are being constantly supplemented by the acquisition of newly published books as well as books published in the past which would be of value to the student engaged in research. The Bloomsburg Public Library with its 30,000 volumes available to students of the College provides the graduate student with a total of nearly 100,000 volumes for use in advanced study and research.

In addition to books and periodicals, graduate students will have access to 17 newspapers and nearly 600 current periodicals. A microfilm reader and a microfilm card reader with microfilm of selected newspapers and periodicals will be available. Inter-library loan service will provide the graduate student with an opportunity to secure selected books and microfilm not included in the holdings of the College Library.

GRADUATE STUDIES PROGRAM

On June 9, 1960, the State Council of Education of the Commonwealth of Pennsylvania authorized the Bloomsburg State College to inaugurate a program of graduate studies and to confer the Master of Education degree. Graduate courses for students desiring to secure the Master of Education degree in Business Education, Elementary Education, English, Social Studies, Speech Correction, and Special Education for the Mentally Retarded are now offered by the College. The program is under the direction of the Division of Graduate Studies operating within the framework of policies and curriculums developed and approved by the Graduate Council of the College.

PURPOSE AND OBJECTIVES

The need for professional education for teachers extending beyond the undergraduate level has long been recognized by educational leaders throughout the United States. In recent years the Pennsylvania State Council of Education has taken positive action to improve instruction in public schools by upgrading certification requirements for teachers. This action indicates a clear recognition by the State Council of the need for training beyond the Bachelor's degree. Mandated salary

schedules which provide salary differentials for holders of Master's degrees in the form of higher maximum salaries give additional recognition of the value of graduate study.

The program of graduate studies at Bloomsburg State College has as its primary purpose the increasing of the competency of teachers in Pennsylvania. To achieve this purpose, the following specific objectives, as they relate to the individual student, have been developed.

1. To provide an opportunity for developing a better understanding of the culture of our society — a society in which the teacher is expected to assume an increasingly important role.
2. To encourage independent thought and initiative and develop problem-solving ability.
3. To provide an incentive for continuing professional growth.
4. To develop a basic understanding of research methods and techniques so that reports of research in the field of education may be correctly interpreted and evaluated.
5. To develop a more comprehensive understanding of the teaching and learning processes.
6. To provide opportunity for advanced study in a selected field of specialization.

SCHEDULING OF CLASSES

All graduate classes will be scheduled during late afternoons, evenings, and/or Saturdays during the regular academic year. The calendar and daily time schedule for graduate courses offered during the summer term will be similar to the calendar and daily time schedule for undergraduate courses. Graduate students will be able to pursue a full-time graduate study program during the summer. In-service teachers will be able to complete the requirements for the Master of Education degree without interference with normal professional duties.

SEMESTER HOUR LOAD

During the regular nine-month academic year, a graduate student who is teaching full time will normally be permitted to enroll in a maximum of two courses each semester. Permission to enroll in more than two graduate courses must be received from the Director of Graduate Studies.

ADVISEMENT OF STUDENTS

Each student admitted to graduate study will be assigned a program advisor who will help in the determination of the program of study. Normally the chairman, or some other designated faculty member, of the department in which the student is enrolled will be the advisor. Upon approval of the Director of Graduate Studies, and upon the recommendation of the department chairman, the student will be per-

mitted to enroll for the Professional Research Project. At this time a major research advisor and a research committee will be named. This committee will assume responsibility for the approval of the professional research project and the administration of the final oral examination.

EXAMINATIONS

All students are required to take the Millers Analogies Test at the time of application for admission to graduate study and the Graduate Record Examination at the time of application for admission to candidacy for the Master's degree (as distinguished from admission to graduate study). The time schedule and other information relative to taking these examinations is announced by the Director of Graduate Studies and may be obtained at the office of the Division of Graduate Studies in Sutliff Hall, Room No. 201. Following acceptance of the professional research project and during the semester or summer term in which the requirements for the Master's degree will be completed, an oral examination will be administered by the student's advisory committee. A comprehensive written examination covering the field of specialization may be required before the Master's degree is conferred.

GRADING

The following symbols are used to evaluate course work:

- A —Exceptional, indicating unusual intellectual ability and initiative.
- B —Good, or above average graduate attainment.
- C —Fair, or average graduate attainment.
- D —Not acceptable for graduate credit.
- E —Failing.
- I —Work incomplete (Such work must be completed within four calendar months following the end of the semester in which the grade is incurred. An extension may be granted by the Director of Graduate Studies in certain situations).
- W—Withdrawn with permission of the Director of Graduate Studies and passing at time of withdrawal.

SCHOLARSHIP REQUIREMENTS

The College uses the above letter grades — A, B, C, D, E, I, W— in graduate courses. Only credit earned in courses in which the grade received was "A", "B", or "C" will be accepted in fulfillment of the requirements for the Master's degree. Although credit will be accepted for courses in which a grade of "C" is earned, a cumulative quality point *average* of 3.00 or better (A=4 quality points; B=3 quality points; C=2 quality points; D=1 quality point) in the total number of courses for which graduate credit is granted will be required for the conferring of the Master's degree.

TRANSFER OF CREDIT

A maximum of six semester hours of credit earned at another accredited graduate school may be accepted in partial fulfillment of degree requirements with the approval of the Graduate Council; however, such credit will be accepted only (1) when earned in courses included in the curriculum which the student is pursuing at Bloomsburg State College, and (2) when a grade of "B" or better was received as verified by an official transcript.

SCHEDULE OF FEES

Matriculation Fee	\$10.00
(Payable at time of application for admission to graduate courses. <i>Not refundable or applicable to graduate tuition.</i>)	
Graduate Tuition Fee	\$20.00 per sem. hr.
Activities Fee (summer term only)	\$ 3.00 per three-week session. \$ 6.00 per six-week session.
Graduation and Diploma Fee	\$10.00
(Not including rental of cap, gown, and hood)	

REFUNDS

MATRICULATION AND REGISTRATION FEES

Matriculation and registration fees shall not, at any time, be refunded since services which require payment of these fees have been rendered by the college before the fees are paid.

TUITION FEES

No portion of the tuition fee shall be refunded if the student has attended one-third or more than one-third of the class periods scheduled during a given semester or session.

If a student withdraws from a course, for approved reasons, before one-third of the scheduled class periods have been completed, the student shall then be entitled to a refund of one-half of the tuition fees paid.

REQUIREMENTS FOR ADMISSION TO GRADUATE COURSES

Applicants for admission to graduate courses (as distinguished from admission to candidacy for the Master of Education degree) must:

1. Hold a Bachelor's degree from a college or university accredited by the National Council for Accreditation of Teacher Education, or the Middle States Association of Colleges and Secondary Schools (or other regional accrediting association.)
2. Present transcript(s) from all colleges and universities at which undergraduate or graduate credit has been earned.

3. Have earned a cumulative 2.5 quality point average (A=4 quality points; B=3 quality points; C=2 quality points; D=1 quality point) in all undergraduate courses, or provide evidence of academic competency by satisfactory performance on the graduate qualifying examination specified by the Graduate Council.
4. Possess character and personality traits characteristic of an educated person.
5. Provide names and current addresses of two persons who are sufficiently acquainted with their academic and/or teaching competence, character, and personal traits to judge their probability of success in graduate courses.

PROCEDURE FOR ADMISSION TO GRADUATE COURSES

Persons desiring to enroll for graduate courses (as distinguished from admission to candidacy for the Master's degree) must:

1. Submit the prescribed application to the Director of Graduate Studies accompanied by the matriculation fee of \$10.00 payable to the Commonwealth of Pennsylvania.
2. Submit transcripts of all undergraduate and graduate credit earned.
3. Arrange for an interview with the Director of Graduate Studies on a date following the receipt by the Division of Graduate Studies of the items listed in Nos. 1 and 2 above.

Persons normally enrolled in the Graduate Division of another institution should submit a written statement from the Dean of the Graduate School or the appropriate department chairman indicating that the student is currently enrolled in good standing in the degree program.

REQUIREMENTS FOR ADMISSION TO CANDIDACY FOR THE MASTER OF EDUCATION DEGREE

Applicants for admission to candidacy for the Master of Education degree must:

1. Submit an official application for admission to candidacy to the Director of Graduate Studies.
2. Submit transcripts of graduate credit earned at other colleges or universities.
3. Complete successfully with a grade of "B" or better at least six semester hours of graduate courses at Bloomsburg State College.

4. Achieve a satisfactory score on the Graduate Record Examination.
5. Submit evidence of the possession of a valid teaching certificate issued by the certifying agency of Pennsylvania or some other state.

Students are expected to have an undergraduate major in the field in which they elect to do graduate study. Any deficiencies in undergraduate areas as determined by the departmental chairmen or major advisors must be satisfactorily removed prior to admission of students to candidacy for the graduate degree.

PROFESSIONAL RESEARCH PROJECT

The professional research project is viewed as a very important part of the Master's degree program. The project will offer the student an opportunity to engage in research of limited scope pertaining to some area in a school situation which needs study and improvement, or to some specific aspect of the academic area in which the student is enrolled. In-service teachers may wish to select a project which is concerned with an existing problem area in the school system with which they are currently associated.

The professional research project must be approved by the chairman of the student's advisory committee, and a formal plan for the completion of the project must be submitted to, and approved by, the student's advisory committee before the project is undertaken. A final written report of the project, prepared in conformity with requirements established by the Graduate Council, must be approved by the student's advisory committee with copies submitted to the office of the Division of Graduate Studies for permanent filing before credit of two semester hours will be granted.

TIME LIMIT

All requirements for the Master's degree must be completed within a six year period immediately preceding the date on which the degree is to be conferred. In very unusual circumstances, this period of time may be extended. If an extension of time is desired, written application should be made to the Director of Graduate Studies.

SUMMARY OF REQUIREMENTS FOR GRANTING THE MASTER OF EDUCATION DEGREE

The Master of Education degree will be granted only upon:

1. Unqualified admission to candidacy for the degree.
2. Submission and approval of the professional research project.
3. Completion of a graduate program of study totaling not less than 30 semester hours of credit, and including courses pre-

scribed in the applicable curriculum and courses specified in the program of study developed by the student's advisory committee.

4. Completion of all graduate courses with a grade of "C" or better and with a total quality point *average* of 3.00 ("B") or better.
5. Satisfactory performance on a final oral examination conducted by the student's advisory committee, and, if required, a comprehensive written examination covering the field of specialization.
6. Evidence of having been certified to teach by the proper certifying agency of Pennsylvania or some other state.

PLACEMENT

All graduate students having been accepted as degree candidates at Bloomsburg State College are eligible to use the services of the Placement Office. Those desiring to do so should make application with the Director of Placement in New North Hall.

GRADUATE CURRICULUMS

MASTER OF EDUCATION DEGREE IN BUSINESS EDUCATION

I. GENERAL PROFESSIONAL EDUCATION	6-9 sem. hrs.
*Ed. 501—Major Philosophies of Education	2 s.h.
*Ed. 551—Methods and Materials of Educational Research	2 s.h.
Ed. 503—Development of the Secondary School Curriculum	2 s.h.
Ed. 505—Comparative Education	2 s.h.
Ed. 531—Education of Gifted Children	2 s.h.
Ed. 541—Problems in Guidance and Counseling	2 s.h.
Psy. 511—Human Growth and Development	2 s.h.
Psy. 512—Human Learning	2 s.h.
Psy. 521—Psychological Testing	2 s.h.
II. GENERAL EDUCATION	0-6 sem. hrs.
To be selected upon advice of the faculty advisor from the following courses:	
Art 501—Functional Aesthetics	2 s.h.
Biol. 501—Contemporary Applications of Biological Techniques	2 s.h.
Eng. 591—Ideas of Good and Evil in Western Literature ...	2 s.h.
Eng. 594—The Theory and Spirit of Comedy	2 s.h.
Eng. 595—The Epic Tradition in Modern Literature	2 s.h.
Hist. 543—Cultures of the Non-Western World	2 s.h.
Hist. 544—The World Since 1945	2 s.h.
Math. 501—Recent Changes in Mathematical Concepts	2 s.h.
Mus. 501—Influences of the Past in Contemporary Music...	2 s.h.
Phy. 501—Contemporary Applications of Techniques in the Physical Sciences	2 s.h.
Pol. Sci. 524—International Organization	2 s.h.
III. FIELD OF SPECIALIZATION	15-24 sem. hrs.
A. SPECIALIZED PROFESSIONAL EDUCATION	8-12 sem. hrs.
*Ed. 552—Professional Research Project	2 s.h.
*Bus. Ed. 561—Foundations of Business Education	2 s.h.
*Bus. Ed. 562—Current Problems of Business Education	2 s.h.
Bus. Ed. 551—Improvement of Instruction in Business Skill Subjects	2 s.h.
Bus. Ed. 552—Improvement of Instruction in Basic Business Subjects	2 s.h.
Bus. Ed. 553—Improvement of Instruction in Book- keeping and Business Arithmetic	2 s.h.
Bus. Ed. 563—Evaluation in Business Education	2 s.h.
Bus. Ed. 564—Administration and Supervision of Business Education	2 s.h.

*Required.

B. SPECIALIZED SUBJECT MATTER7-12 sem. hrs.

*Econ.	531—Current Economic Problems	2 s.h.
**Bus. Ed.	421—Cost Accounting	3 s.h.
**Bus. Ed.	422—Auditing Theory and Procedure	3 s.h.
**Bus. Ed.	423—Federal Tax Accounting	3 s.h.
**Bus. Ed.	431—Office Management	3 s.h.
**Bus. Ed.	441—Principles of Marketing	3 s.h.
Bus. Ed.	531—Corporation Finance	2 s.h.
Bus. Ed.	532—Public Finance	2 s.h.
Bus. Ed.	533—Business Statistics	2 s.h.
Bus. Ed.	534—Principles of Insurance	2 s.h.
*Econ.	413—Money, Banking, and Fiscal Policy	3 s.h.
*Econ.	423—History of Economic Thought	3 s.h.
Econ.	532—Comparative Economic Systems	2 s.h.

*Required.

**Courses open to both undergraduate and graduate students.

MASTER OF EDUCATION DEGREE IN ELEMENTARY EDUCATION

I. GENERAL PROFESSIONAL EDUCATION6-9 sem. hrs.

*Ed.	501—Major Philosophies of Education	2 s.h.
*Ed.	551—Methods and Materials of Educational Research	2 s.h.
Ed.	505—Comparative Education	2 s.h.
Ed.	531—Education of Gifted Children	2 s.h.
Ed.	541—Problems in Guidance and Counseling	2 s.h.
Ed.	580—Recent Trends in Curriculum Development	2 s.h.
Psy.	511—Human Growth and Development	2 s.h.
Psy.	512—Human Learning	2 s.h.
Psy.	521—Psychological Testing	2 s.h.

II. GENERAL EDUCATION0-6 sem. hrs.

To be selected upon advice of the faculty advisor from the following courses:

Art	501—Functional Aesthetics	2 s.h.
Biol.	501—Contemporary Applications of Biological Techniques	2 s.h.
Bus. Ed.	501—Survey of Business Organization and Finance.....	2 s.h.
Econ.	511—Economic Problems of American Society	2 s.h.
Eng.	591—Ideas of Good and Evil in Western Literature.....	2 s.h.
Eng.	594—The Theory and Spirit of Comedy	2 s.h.
Eng.	595—The Epic Tradition in Modern Literature	2 s.h.
Hist.	543—Cultures of the Non-Western World	2 s.h.
Hist.	544—The World Since 1945	2 s.h.
Math.	501—Recent Changes in Mathematical Concepts	2 s.h.
Mus.	501—Influences of the Past in Contemporary Music.....	2 s.h.
Phy.	501—Contemporary Applications of Techniques in the Physical Sciences	2 s.h.
Pol. Sci.	524—International Organization	2 s.h.

*Required.

III. FIELD OF SPECIALIZATION 15-24 sem hrs.

A. SPECIALIZED PROFESSIONAL EDUCATION 9 to 18 sem. hrs.

*Ed.	552—Professional Research Project	2 s.h.
*Ed.	502—Social Foundations of the Elementary School	2 s.h.
**Ed.	373—Diagnostic and Remedial Reading	3 s.h.
Ed.	504—Elementary School Curriculum	2 s.h.
Ed.	506—Home, School, and Community Relations	2 s.h.
Ed.	510—Evaluation in the Elementary School	2 s.h.
Ed.	525—Trends in Early Childhood Education	2 s.h.
Ed.	542—Guidance in the Elementary School	2 s.h.
Ed.	561—Seminar in Elementary Education	2 to 4 s.h.
Ed.	562—Problems in the Teaching of Reading	2 s.h.
Ed.	563—Current Practices in Elementary School Science	2 s.h.
Ed.	564—Diagnostic Reading Practicum	2 s.h.
Ed.	565—Remedial Reading Practicum	2 s.h.
Ed.	566—Psychological Aspects of Reading	2 s.h.
Ed.	567—Reading Clinic	2 s.h.
Ed.	569—Selection and Use of Audio-Visual Materials in the Elementary School	2 s.h.

B. AREA OF COMPETENCY 6 to 10 sem. hrs.

A planned program of related courses in one academic subject area is required. The faculty advisor will assist the student in the selection of the "area of competency" and in the development of the program of courses. Courses are to be selected from available graduate courses in the academic subject area chosen (See Item II) and, when approved by the faculty advisor, from courses open to both undergraduate and graduate students. The maximum credit which may be earned in such courses to fulfill "area of competency" requirements is 6 sem. hrs.

*Required.

**Courses open to both undergraduate and graduate students.

MASTER OF EDUCATION DEGREE IN ENGLISH

I. GENERAL PROFESSIONAL EDUCATION 6-9 sem. hrs.

*Ed.	501—Major Philosophies of Education	2 s.h.
*Ed.	551—Methods and Materials of Educational Research	2 s.h.
Ed.	503—Development of the Secondary School Curriculum	2 s.h.
Ed.	505—Comparative Education	2 s.h.
Ed.	511—Measurement and Evaluation in the Secondary School	2 s.h.
Ed.	531—Education of Gifted Children	2 s.h.
Ed.	541—Problems in Guidance and Counseling	2 s.h.
Ed.	580—Recent Trends in Curriculum Development	2 s.h.
Psy.	511—Human Growth and Development	2 s.h.
Psy.	512—Human Learning	2 s.h.
Psy.	521—Psychological Testing	2 s.h.
*Ed.	552—Professional Research Project	2 s.h.
	(if education related)	

*Required of all Candidates.

II. FIELD OF SPECIALIZATION	15-24 sem. hrs.
*Eng. 552—Professional Research Project	2 s.h.
*Eng. 503—Introduction to Literary Research and Bibliography	2 s.h.
**Eng. 333—Early English Drama	3 s.h.
**Eng. 341—17th Century Poetry and Prose	3 s.h.
**Eng. 368—Victorian Prose	3 s.h.
**Eng. 406—English Philology and Grammar	3 s.h.
Eng. 501—Structure of English	3 s.h.
Eng. 502—History of the English Language	3 s.h.
Eng. 505—Literary Criticism	3 s.h.
Eng. 522—Modern Drama	3 s.h.
Eng. 526—Modern Poetry	3 s.h.
Eng. 531—English Conference	3 s.h.
Eng. 543—Chaucer	3 s.h.
Eng. 547—Elizabethan Poetry	3 s.h.
Eng. 549—Shakespeare	3 s.h.
Eng. 554—Milton	3 s.h.
Eng. 559—Age of Johnson	3 s.h.
Eng. 565—English Romantic Poets	3 s.h.
Eng. 585—American Literature: Poetry	3 s.h.
Eng. 590—American Renaissance	3 s.h.

*Required of all candidates.

**Courses open to both undergraduate and graduate students.

MASTER OF EDUCATION DEGREE IN SOCIAL STUDIES

The Social Studies program offers three areas of concentration: (1) History, which is subdivided into two alternatives, World or American, (2) Political Science, and (3) Geography.

I. PROFESSIONAL EDUCATION	6-9 sem. hrs.
*Ed. 501—Major Philosophies of Education	2 s.h.
*Ed. 551—Methods and Materials of Educational Research	2 s.h.
Ed. 503—Development of the Secondary School Curriculum	2 s.h.
Ed. 505—Comparative Education	2 s.h.
Ed. 511—Measurement and Evaluation in the Secondary School	2 s.h.
Ed. 531—Education of Gifted Children	2 s.h.
Ed. 541—Problems in Guidance and Counseling	2 s.h.
Psy. 511—Human Growth and Development	2 s.h.
Psy. 512—Human Learning	2 s.h.
*Ed. 552—Research Project (if education related)	3 s.h.

*Required.

FIELD OF SPECIALIZATION—Social Studies 21-24 sem. hrs.

AREA OF CONCENTRATION —History

Selected from History electives 15-18 s.h.
Related fields 6- 9 s.h.

Not more than six hours from any one of the related fields of Economics, Geography, Political Science, Sociology-Anthropology, the electives of which are listed below.

AREA OF CONCENTRATION—Political Science

Selected from Political Science electives 15-18 s.h.
Related fields 6- 9 s.h.

Not more than six hours from any one of the related fields of Economics, Geography, History, Sociology-Anthropology, the electives of which are listed below.

AREA OF CONCENTRATION—Geography

Selected from Geography electives 15-18 s.h.
Related fields 6- 9 s.h.

Not more than six hours from any one of the related fields of Economics, History, Political Science, Sociology-Anthropology, the electives of which are listed below.

RESEARCH PROJECT 2 s.h.

If in field of concentration is part of the 15-18 hours of electives and normally mandates 18 total hours in the field.

SOCIAL STUDIES ELECTIVES

ECONOMICS

Econ. 513—Origin and Development of Capitalism 3 s.h.
Econ. 515—Public Policy and Business 3 s.h.
Econ. 532—Comparative Economic Systems 3 s.h.
Econ. 533—International Economics and Relations 3 s.h.

GEOGRAPHY

**Geog. 353—Physiography 3 s.h.
**Geog. 356—Meteorology 3 s.h.
**Geog. 357—Geology 3 s.h.
Geog. 556—Geography of Pennsylvania 3 s.h.
Geog. 560—Geography of South America 3 s.h.
Geog. 566—Geography of Anglo-America 3 s.h.
Geog. 571—Geography of Africa South of the Sahara 3 s.h.
Geog. 575—Geography of Western and Mediterranean Europe 3 s.h.
Geog. 576—Geography of South and East Asia 3 s.h.
Geog. 501—Evolution of Geographic Thought 3 s.h.
Geog. 523—Geography of Settlement 3 s.h.
Geog. 524—Geography of Trade and Transportation 3 s.h.
Geog. 548—Political Geography 3 s.h.
Geog. 549—Geography of World Resources and Industries.. 3 s.h.
Geog. 590—Seminar in Geography 3 s.h.
(Prerequisite: Ed. 551 and at least nine hours in Geography electives)

*Required.

**Courses open to both undergraduate and graduate students.

HISTORY

**Hist.	423—Problems in United States History	3 s.h.
Hist.	512—The American Colonial Heritage	3 s.h.
Hist.	513—Growth in Democratic Ideals in 19th Century United States	3 s.h.
Hist.	514—The Westward Movement	3 s.h.
Hist.	521—Social and Cultural History of the United States Since 1900	3 s.h.
Hist.	522—The United States as a World Power	3 s.h.
Hist.	526—U.S.-Latin American Relations	3 s.h.
Hist.	531—Studies in Pennsylvania History Since 1790....	3 s.h.
**Hist.	433—Renaissance and Reformation	3 s.h.
**Hist.	443—Selected Contemporary Cultures	3 s.h.
Hist.	541—Studies in Classical and Medieval Civilization....	3 s.h.
Hist.	542—Thought and Culture in Western Europe Since 1500	3 s.h.
Hist.	543—Nationalism and Liberalism in 19th Century Europe	3 s.h.
Hist.	546—Studies in 20th Century Europe	3 s.h.
Hist.	544—The World Since 1945	3 s.h.
Hist.	564—The Far East in the 20th Century	3 s.h.
Hist.	565—Selected Problems of Africa and Southwest Asia	3 s.h.
Hist.	590—Seminar in History	3 s.h.
	(Prerequisite: Ed. 551 and at last nine hours of history electives)	

POLITICAL SCIENCE

Pol. Sci.	511—Problems of United States Government	3 s.h.
Pol. Sci.	513—Public Administration	3 s.h.
Pol. Sci.	517—United States Foreign Policy	3 s.h.
Pol. Sci.	518—Constitutional Law	3 s.h.
Pol. Sci.	525—International Law and Organization	3 s.h.
Pol. Sci.	533—Contemporary Political Theory	3 s.h.
Pol. Sci.	541—Political Problems of Selected Emergent Nations	3 s.h.
Pol. Sci.	590—Seminar in Political Science	3 s.h.
	(Prerequisite: Ed. 551 and at least nine hours of Political Science electives)	

SOCIOLOGY-ANTHROPOLOGY

Soc.	511—Social Institutions	3 s.h.
Soc.	523—The Contemporary American Community	3 s.h.
Soc.	524—Comparative Cultures	3 s.h.
Anthro.	501—Studies in Anthropology	3 s.h.

**Courses open to both undergraduate and graduate students.

MASTER OF EDUCATION DEGREE IN SPECIAL EDUCATION FOR THE MENTALLY RETARDED

I. GENERAL PROFESSIONAL EDUCATION		6-9 sem. hrs.
*Ed. 501—Major Philosophies of Education		2 s.h.
*Ed. 551—Methods and Materials of Educational Research		2 s.h.
Ed. 503—Development of the Secondary School Curriculum		2 s.h.
Ed. 504—Development of the Elementary School Curriculum		2 s.h.
Ed. 505—Comparative Education		2 s.h.
Ed. 531—Education of Gifted Children		2 s.h.
Ed. 541—Problems in Guidance and Counseling		2 s.h.
Ed. 542—Guidance in Elementary School		2 s.h.
Ed. 580—Recent Trends in Curriculum Development		2 s.h.
Psy. 511—Human Growth and Development		2 s.h.
Psy. 512—Human Learning		2 s.h.
Psy. 521—Psychological Testing		2 s.h.
II. GENERAL EDUCATION		0-6 sem-hrs.
Art 501—Functional Aesthetics		2 s.h.
Biol. 501—Contemporary Applications of Biological Techniques		2 s.h.
Econ. 511—Economic Problems of American Society		2 s.h.
Eng. 591—Ideas of Good and Evil in Western Literature....		2 s.h.
Eng 594—The Theory and Spirit of Comedy		2 s.h.
Eng. 595—The Epic Tradition in Modern Literature		2 s.h.
Hist. 543—Cultures of the Non-Western World		2 s.h.
Hist. 544—The World Since 1945		2 s.h.
Math. 501—Recent Changes in Mathematical Concepts		2 s.h.
Mus. 501—Influences of the Past in Contemporary Music ..		2 s.h.
Phy. 501—Contemporary Applications of Techniques in the Physical Sciences		2 s.h.
Pol. Sci. 524—International Organization		2 s.h.
III. FIELD OF SPECIALIZATION		15-24 sem. hrs
A. SPECIALIZED PROFESSIONAL EDUCATION		6 sem. hrs.
*Ed. 552—Professional Research Project		2 s.h.
*Spec. Ed. 501—Administration and Supervision of Education for Exceptional Children		2 s.h.
Spec. Ed. 502—Current Problems in Special Education for Mentally Retarded		2 s.h.
Spec. Ed. 503—Educational and Vocational Guidance for the Mentally Retarded		2 s.h.

*Required.

B. SPECIALIZED SUBJECT MATTER	9-18 sem hrs.
*Spec. Ed. 504—Organization of Special Classes for Mentally Retarded Children	2 s.h.
*Spec. Ed. 541—Behavior and Adjustment of the Mentally Handicapped	2 s.h.
**Psy. 321—Mental Tests (Group)	3 s.h.
**Psy. 322—Mental Tests (Individual)	3 s.h.
**Spec. Ed. 416—Psychology of Exceptional Children	3 s.h.
Spec. Ed. 511—Education of Children with Retarded Mental Development in the Elementary School	2 s.h.
Spec. Ed. 512—Education of Intermediate Children with Retarded Mental Development	2 s.h.
Spec. Ed. 521—Education of Children with Retarded Mental Development in the Secondary School	2 s.h.
Spec. Ed. 531—Teaching Reading to the Mentally Retarded	2 s.h.
Spec. Ed. 532—Language and Speech Problems of the Mentally Retarded	2 s.h.
Spec. Ed. 542—Psychology of Mental Retardation	2 s.h.
Spec. Ed. 544—Tests and Remedial Work for the Mentally Retarded	2 s.h.
Spec. Ed. 545—Manual Skills and Analysis of Job Areas	2 s.h.
Spec. Ed. 552—Advanced Student Teaching Internship	2 s.h.
Spec. Ed. 559—Seminar in Education of Exceptional Children	2 s.h.

MASTER OF EDUCATION DEGREE IN SPEECH CORRECTION

I. GENERAL PROFESSIONAL EDUCATION	6-9 sem. hrs.
*Ed. 501—Major Philosophies of Education	2 s.h.
*Ed. 551—Methods and Materials of Educational Research	2 s.h.
Ed. 503—Development of the Secondary School Curriculum	2 s.h.
Ed. 504—Development of the Elementary School Curriculum	2 s.h.
Ed. 505—Comparative Education	2 s.h.
Ed. 531—Education of Gifted Children	2 s.h.
Ed. 541—Problems in Guidance and Counseling	2 s.h.
Ed. 542—Guidance in the Elementary School	2 s.h.
Ed. 580—Recent Trends in Curriculum Development	2 s.h.
Psy. 511—Human Growth and Development	2 s.h.
Psy. 512—Human Learning	2 s.h.
Psy. 521—Psychological Testing	2 s.h.

*Required.

**Courses open to both undergraduate and graduate students.

II. GENERAL EDUCATION		0-6 sem. hrs.
Art	501—Functional Aesthetics	2 s.h.
Biol.	501—Contemporary Applications of Biological Techniques	2 s.h.
Econ.	511—Economic Problems of American Society	2 s.h.
Eng.	591—Ideas of Good and Evil in Western Literature..	2 s.h.
Eng.	594—The Theory and Spirit of Comedy	2 s.h.
Eng.	595—The Epic Tradition in Modern Literature	2 s.h.
Hist.	543—Cultures of the Non-Western World	2 s.h.
Hist.	544—The World Since 1945	2 s.h.
Math.	501—Recent Changes in Mathematical Concepts	2 s.h.
Mus.	501—Influences of the Past in Contemporary Music...	2 s.h.
Phy.	501—Contemporary Applications of Techniques in the Physical Sciences	2 s.h.
Pol. Sci.	524—International Organization	2 s.h.



Children are given auditory training as parents observe.

III. FIELD OF SPECIALIZATION		15-24 sem. hrs.
A. SPECIALIZED PROFESSIONAL EDUCATION		4 sem. hrs.
Ed.	552—Professional Research Project	2 s.h.
Sp. Corr.	501—Foundations of Speech and Hearing Education	2 s.h.

B. SPECIALIZED SUBJECT MATTER 11-20 sem. hrs.

*Sp. Corr. 504—Current Speech and Hearing Practices in Public Schools	2 s.h.
**Psy. 321—Mental Tests (Group)	3 s.h.
**Psy. 322—Mental Tests (Individual)	3 s.h.
**Sp. Corr. 452—Anatomy of Speech and Hearing Mechanisms	3 s.h.
*Sp. Corr. 491—Measurement of Hearing Loss	3 s.h.
Sp. Corr. 511—Organic Disorders of Articulation	2 s.h.
Sp. Corr. 512—Seminar in Aphasia and Allied Symbolization Disorders	2 s.h.
Sp. Corr. 532—Hearing Aids and Auditory Training	2 s.h.
Sp. Corr. 541—Seminar in Stuttering	2 s.h.
Sp. Corr. 553—Speech Pathology Practicum	2 s.h.
Sp. Corr. 561—Voice and Language Disorders	2 s.h.
Sp. Corr. 571—Seminar in Speech Pathology	2 s.h.
Sp. Corr. 572—Seminar in Audiology	2 s.h.
Sp. Corr. 575—Speech and Voice Science	2 s.h.

*Required.

**Courses open to undergraduate and graduate students.

GRADUATE COURSE DESCRIPTIONS

ANTHROPOLOGY

ANTHRO. 501 STUDIES IN ANTHROPOLOGY 3 sem. hrs.

A survey of the processes of human evolution and cultural dynamics, utilizing the findings of physical and cultural anthropology.

ART

ART 501 FUNCTIONAL AESTHETICS 2 sem. hrs.

The factors affecting the art of our society are examined with consideration given to the significance of this art for a well integrated culture and the satisfactory personal adjustment of members of society. A critical analysis of differing art forms is made along with comparisons designed to develop discriminatory judgment.

BIOLOGY

BIOL. 501 CONTEMPORARY APPLICATIONS OF BIOLOGICAL TECHNIQUES 2 sem. hrs.

Consideration is given to present-day applications of biological laws governing plant and animal life with special attention devoted to the influence of drugs, hormones, and radiation on living organisms. A study is made of techniques used by today's biologists in research to determine the effects of "outer space" on plant and animal life.

BUSINESS EDUCATION

BUS. ED. 501 SURVEY OF BUSINESS ORGANIZATION AND FINANCE 2 sem. hrs.

Types of business organizations and the methods of financing business enterprises in our society are reviewed. This course is designed for the student with limited formal education in business who is interested in acquiring a basic understanding of various aspects of business organization and finance. (Graduate students in Business Education not permitted to enroll in this course.)

BUS. ED. 531 CORPORATION FINANCE 2 sem. hrs.

Problems encountered in organizing and financing operations of industrial corporations, public utilities, and railroads are examined. Special attention is given to the kinds of corporate securities used to secure both short-term and long-term capital.

BUS. ED. 532 PUBLIC FINANCE 2 sem. hrs.

A survey of principles governing the budgeting and financing of Federal, state, and local government operations provides the basis for a detailed analysis of the effects of public expenditures, taxation, and debt management on the economy of the United States.

BUS. ED. 533 BUSINESS STATISTICS 2 sem. hrs.

Principles applicable to and procedures used in collecting, tabulating, analyzing, presenting, and interpreting business and economic data are studied. Consideration is given to measures of central tendency, sampling, time series, correlation, and index numbers.

- BUS. ED. 534 PRINCIPLES OF INSURANCE** 2 sem. hrs.
 A study of principles applicable to and uses of various types of life, marine, casualty, and fire insurance contracts is supplemented by a consideration of basic legal concepts pertaining to insurance contracts and the responsibility of underwriters.
- BUS. ED. 551 IMPROVEMENT OF INSTRUCTION IN BUSINESS SKILL SUBJECTS** 2 sem. hrs.
 Current practices in the teaching of shorthand, typwriting, and secretarial practice are studied with consideration given to teaching aids and evaluative devices. Up-to-date methods and techniques of instruction which have proved effective in these subject areas are carefully examined.
- BUS. ED. 552 IMPROVEMENT OF INSTRUCTION IN BASIC BUSINESS SUBJECTS** 2 sem. hrs.
 The contribution which basic business subjects can make to the educational program of the secondary school is emphasized. Currently accepted methods and techniques of teaching such basic business subjects as General Business, Business Law, and Elementary Economics are studied with specific attention devoted to teaching aids which may be utilized to insure effective instruction.
- BUS. ED. 553 IMPROVEMENT OF INSTRUCTION IN BOOKKEEPING AND BUSINESS ARITHMETIC** 2 sem. hrs.
 A study of recent developments in methods of teaching Bookkeeping and Business Arithmetic and a critical analysis of objectives serve as a basis for increasing the competence of the teacher of these subjects. Consideration is given to teaching aids designed to improve the effectiveness of classroom instruction.
- BUS. ED. 561 FOUNDATIONS OF BUSINESS EDUCATION** 2 sem. hrs.
 A study of the historical beginnings and present status of business education serves as the basis for developing an understanding of the objectives of and the philosophies underlying present-day business education programs in the secondary school. Students are afforded the opportunity to become acquainted with professional literature and the contributions of professional organizations.
- BUS. ED. 562 CURRENT PROBLEMS OF BUSINESS EDUCATION** 2 sem. hrs.
 The major problem areas in business education, as revealed in part by a critical analysis of current professional literature, are studied with a view to making the student conscious of changing concepts, philosophies, and objectives.
- BUS. ED. 563 EVALUATION IN BUSINESS EDUCATION** 2 sem. hrs.
 The objectives of measurement in business education are examined with consideration given to the manner in which evaluative devices can be effectively used. Principles that should govern test construction, the availability and use of printed tests, and the interpretation of test results in business subjects are given attention.

BUS. ED. 564 ADMINISTRATION AND SUPERVISION OF
BUSINESS EDUCATION 2 sem. hrs.

A study of principles and techniques associated with educational administration serve as the basis for a consideration of administrative and supervisory responsibilities of the business education department head. Topics discussed include departmental organization, curriculum development, teacher selection, supervision and improvement of classroom teaching, classroom planning, budgeting, maintenance of records, and selection and purchase of equipment and supplies.

The following courses are open to both undergraduate and graduate students. For course descriptions see the 1964-65 COLLEGE CATALOG.

BUS. ED. 421 COST ACCOUNTING	3 sem. hrs.
BUS. ED. 422 AUDITING THEORY AND PROCEDURE	3 sem. hrs.
BUS. ED. 423 FEDERAL TAX ACCOUNTING	3 sem. hrs.
BUS. ED. 431 OFFICE MANAGEMENT	3 sem. hrs.
BUS. ED. 441 PRINCIPLES OF MARKETING	3 sem. hrs.

ECONOMICS

ECON. 511 ECONOMIC PROBLEMS OF AMERICAN SOCIETY 2 sem. hrs.

Designed for the student with no formal training in economic theory, this course will afford an opportunity to gain an understanding of basic economic principles through intensive study of selected economic problems of current interest and concern to the well informed American citizen. (Graduate students in Business Education and Social Studies not permitted to enroll in this course.)

ECON. 513 ORIGIN AND DEVELOPMENT OF CAPITALISM 3 sem. hrs.

Study of the transition from feudalism to Capitalism and the subsequent influence of leading capitalist institutions on industry, agriculture, commerce banking, and the social movement.

ECON. 515 PUBLIC POLICY AND BUSINESS 3 sem. hrs.

Public policies affecting the economy: historical, philosophical and legal basis of regulation; the rationale of free-enterprise. Intensive analysis of selected areas of economic policy related to government action.

ECON. 531 CURRENT ECONOMIC PROBLEMS 2 sem. hrs.

Selected economic problems of current interest and concern to our society are analyzed. In the study of these problems, a careful examination is made of basic economic principles and theories as well as the thinking of recognized economists of the past and present as revealed in their published works.

ECON. 532 COMPARATIVE ECONOMIC SYSTEMS 3 sem. hrs.

Analysis of the main economic activities under diverse systems of organization, influence of variations in resources, technology, and social values. Comparative treatment of Soviet-type economics, market socialism, Western "mixed" economics.

ECON. 533 INTERNATIONAL ECONOMICS POLICIES AND RELATIONS 3 sem. hrs.

An analysis of international trade. Full consideration is given to contemporary problems facing international trade and to the impact of governmental policy upon international commercial relations.

The following courses are open to both undergraduate and graduate students. For course descriptions see the 1964-65 COLLEGE CATALOG.

ECON. 413 MONEY, BANKING AND FISCAL POLICY 3 sem. hrs.

ECON. 423 HISTORY OF ECONOMIC THOUGHT 3 sem. hrs.

EDUCATION

ED. 501 MAJOR PHILOSOPHIES OF EDUCATION 2 sem. hrs.

Modern educational problems and trends are interpreted in the light of basic philosophical viewpoints. Some basic concepts and philosophies which have influenced and are influencing modern education are examined in primary sources.

ED. 502 SOCIAL FOUNDATIONS OF THE ELEMENTARY SCHOOL 2 sem. hrs.

The effects on the elementary school program of social class, family and community pressures, and changing patterns and standards of life in our society are studied. Basic understandings of these pressures and patterns are developed to enable the teacher to work effectively in encouraging the good and reducing the harmful impacts of social forces in relationships of children.

ED. 503. DEVELOPMENT OF THE SECONDARY SCHOOL CURRICULUM 2 sem. hrs.

In this course, the student considers problems related to development, experimentation, and improvement of curriculum practices in the secondary school.

ED. 504 ELEMENTARY SCHOOL CURRICULUM 2 sem. hrs.

In this course, the student considers problems related to development, experimentation, and improvement of curriculum practices in the elementary school.

ED. 505 COMPARATIVE EDUCATION 2 sem. hrs.

Educational ideas and practices of various countries of the world are examined for their impact upon our culture and education. Particular attention is given to the relationship of European educational programs to the American philosophy and practice of public education.

ED. 506 HOME, SCHOOL, AND COMMUNITY RELATIONS 2 sem. hrs.

An introductory course in public relations, especially slanted to elementary school, in which a partnership philosophy between home, school, and community is developed. Principles, attitudes, and techniques to encourage community sharing in the planning of and assuming responsibility for good schools are considered.

ED. 510 EVALUATION IN THE ELEMENTARY SCHOOL 2 sem. hrs.

In this course, the student considers the various aspects of measurement and evaluation in the elementary school. Of particular emphasis are construction, administration, and interpretation of results of group tests of intelligence, achievement, aptitude, and personality.

ED. 511 MEASUREMENT AND EVALUATION IN THE
SECONDARY SCHOOL 2 sem. hrs.

In this course, the student considers the various aspects of measurement and evaluation in the secondary school. Of particular emphasis are construction, administration, and interpretation of results of group tests of intelligence, achievement, aptitude, and personality.

ED. 525 TRENDS IN EARLY CHILDHOOD EDUCATION 2 sem. hrs.

This course provides an opportunity to study the changing goals and the developing programs required to meet the needs of children who enter school with a greatly increased experimental background.

ED. 531 EDUCATION OF GIFTED CHILDREN 2 sem. hrs.

Principles and practices which are modifying school programs to conserve and develop to the optimum degree the capabilities of the more able children are examined. A study is made of the more promising teaching techniques and devices used in both the elementary and the secondary school.

ED. 541 PROBLEMS IN GUIDANCE AND COUNSELING 2 sem. hrs.

Topics considered in this course include the philosophy of guidance, the history of the guidance movement, and the guidance needs of children and adolescents. Methods of gathering data, the nature of school records, the interpretation of test results and inventories, the use of occupational information and data, and interviewing and counseling techniques are studied.

ED. 542 GUIDANCE IN THE ELEMENTARY SCHOOL 2 sem. hrs.

The goal of this course is to provide the teacher with an understanding of the concepts and techniques essential to the guidance process in the elementary school. Behavioral and developmental problems, and problems associated with the releasing of creative capacities of children are discussed.

ED. 543 ORGANIZATION AND SUPERVISION OF
GUIDANCE SERVICES 2 sem. hrs.

In this course, the student becomes familiar with the various types of guidance organizations used in schools and their effectiveness in providing for good guidance.

- ED. 551 METHODS AND MATERIALS OF EDUCATIONAL RESEARCH 2 sem. hrs.
 In this course students are introduced to research and its practical application to professional problems. The student is acquainted with the methods and techniques used in educational research, and the manner in which statistical data should be interpreted and evaluated.
- ED. 552 PROFESSIONAL RESEARCH PROJECT 2 sem. hrs.
 An opportunity is provided for the student to demonstrate his ability to employ accepted methods of educational research in the solution or intensive study of some problem area of interest or concern to him. The problem area selected for the research project must be related to the curriculum which the student is pursuing. (See Page 11 for detailed requirements.)
- ED. 561 SEMINAR IN ELEMENTARY EDUCATION 2 to 4 sem. hrs.
 The need for change in the organization and practices in elementary education to meet problems of individual differences among children is considered. Through round table discussions, field trips, and the use of consultants with varied experiences, the teacher receives realistic guidance in working toward improvement in his own school system. Prerequisite: Teaching experience.
- ED. 562 PROBLEMS IN THE TEACHING OF READING 2 sem. hrs.
 The goals of this course are to provide the student with a knowledge of trends in reading instruction and to develop competence in the use of different approaches to the solution of reading problems.
- ED. 563 CURRENT PRACTICES IN ELEMENTARY SCHOOL SCIENCE 2 sem. hrs.
 Problems resulting from the increased interest of children in science and the public demand for science instruction in the elementary grades are considered. Methods and materials for nurturing these interests and for implementing science instruction, within the limits of the best interests of children, are presented and evaluated.
- ED. 564 DIAGNOSTIC READING PRACTICUM 2 sem. hrs
 This course considers in depth the problems of diagnosing reading difficulties. Practical evaluation is included.
- ED. 565 REMEDIAL READING PRACTICUM 2 sem. hrs.
 Remedial techniques are examined at length in this course. Remedial work with handicapped readers is included.
- ED. 566 PSYCHOLOGICAL ASPECTS OF READING 2 sem. hrs.
 The psychological foundations of reading are considered in light of their relative effect on reading achievement.
- ED. 569 SELECTION AND USE OF AUDIO-VISUAL MATERIALS IN THE ELEMENTARY SCHOOL 2 sem. hrs.
 A subject by subject survey of audio-visual materials available for use in the elementary school is made with consideration given to the most effective manner in which such materials may be used. In addition experience is provided in the preparation of materials for classroom use.

ED. 580 RECENT TRENDS IN CURRICULUM DEVELOPMENT 2 sem. hrs.

Of major concern in this course are recent curriculum developments, K-12, growing out of the ever changing role of education in American society.

The following course is open to both undergraduate and graduate students. For course description see the 1964-65 COLLEGE CATALOGUE.

ED. 373 DIAGNOSTIC AND REMEDIAL READING 3 sem. hrs.

ENGLISH

ENG. 501 STRUCTURE OF ENGLISH 3 sem. hrs.

A study of the phonology, morphology, structural syntax, and graphemics of modern American English.

ENG. 502. HISTORY OF THE ENGLISH LANGUAGE 3 sem. hrs.

A diachronic study of phonological, morphological, syntactic, graphemic and vocabulary changes in the English language from the Old English period to the present.

ENG. 503 INTRODUCTION TO LITERARY RESEARCH
AND BIBLIOGRAPHY 3 sem. hrs.

A brief survey of the history of literary scholarship, with special reference to the development of the various schools of modern scholarly practice. Detailed study of book production (collation, editing and publication.) Practice in the preparation of specialized bibliographies and in the planning of scholarly projects.

ENG. 505 LITERARY CRITICISM 3 sem. hrs.

An examination in depth of major critics from Aristotle to the present. Emphasis on application of critical principles to primary genres—drame, novel, poetry—and on independent study in varied areas of literature and aesthetics.

ENG. 522 MODERN DRAMA 3 sem. hrs.

A study of the main forces and movements in modern drama through selected dramatists from the time of Ibsen.

ENG. 526 MODERN POETRY 3 sem. hrs.

Reading of a comprehensive selection of modern poetry, British and American. Emphasis on appreciating the art of the poems, on recognizing the modern spirit in them, and on viewing them as part of a historical development of poetic tradition.

ENG. 531 ENGLISH CONFERENCE 3 sem. hrs.

Content varies with each presentation. Includes courses of specialized nature such as studies of a particular writer or group of writers, a genre, a movement, a major literary theme, etc.

- ENG. 543 CHAUCER 3 sem. hrs.
 Close study of Chaucer's major works with emphasis on the mind and art of Chaucer and considerable attention to the Middle English language. Medieval background and various specialized scholarly problems are also dealt with.
- ENG. 547 ELIZABETHAN POETRY 3 sem. hrs.
 Elizabethan poetry, particularly the sonnet, lyric, and narrative of the 1590's, is examined for structure, origins, and influence. Students are encouraged to develop topics on the works of individual poets.
- ENG. 549 SHAKESPEARE 3 sem. hrs.
 A few selected plays are closely read. From this study are developed topics in biography and dating, textual history, sources, and contemporary and earlier intellectual influences.
- ENG. 554 MILTON 3 sem. hrs.
 A comprehensive study of all the poetry and a selected group of the prose works of John Milton. Special reference to the chronology of the works and to evidences of the expanding genius of the author.
- ENG. 559 THE AGE OF JOHNSON 3 sem. hrs.
 Examines in depth the work of such major figures of the Augustus era as Swift, Fielding, Sterne, Addison, Goldsmith, Pope, Johnson, Burns, and Blake. Independent research is based chiefly on studies of minor authors of the period.
- ENG. 565 ENGLISH ROMANTIC POETS 3 sem. hrs.
 Careful study of important segments of the work of the major Romantic poets to disclose the characteristics of the work and thought of each writer. Some attention given to background of the period and its literary forebears and descendants. Inclusion of minor poets will vary with the instructor's purposes.
- ENG. 585 AMERICAN LITERATURE: POETRY 3 sem. hrs.
 A study of the major American poets, beginning with Edward Taylor and ending with T. S. Eliot and Wallace Stevens; emphasizes not only the nature of their poetry and poetic theories, but the relation of these poets to their respective milieus.
- ENG. 590 AMERICAN RENAISSANCE 3 sem. hrs.
 Examines the Transcendentalism of Ralph Waldo Emerson and Henry David Thoreau as a religious-philosophical approach to life through their major prose and poetry; stresses the source and significance of Transcendentalism in American literary history.
- ENG. 591 IDEAS OF GOOD AND EVIL IN WESTERN LITERATURE 3 sem. hrs.
 Selected works in Western Literature that deal with the problem of good and evil are surveyed. Among those studied are the *Book of Job*, Sophocles' *Oedipus*, Plato's *Euthyphro* and *Symposium*, Montaigne's *Essays*, Shakespeare's *King Lear*, Goethe's *Faust*, Milton's *Samson Agonistes*, Balzac's *Pere Goriot*, Dostoevsky's *Brothers Karamazov*, and shorter works of Hawthorne, James, and Melville. (Not open to English majors).

ENG. 594 THE THEORY AND SPIRIT OF COMEDY 3 sem. hrs.

A variety of comedies are read, beginning with Aristophanes and early classical comedy, and running through romantic comedy, the comedy of manners, sentimental comedy, and farce. Discussion will center around the nature of comedy and laughter based upon a careful study of such critics as Aristotle, Bergson, and Meredith. (Not open to English majors).

ENG. 595 THE EPIC TRADITION IN MODERN LITERATURE 3 sem. hrs.

Beginning with an analysis of the structure and spirit of a representative epic poem, an attempt will be made to show the extent to which the epic impulse has permeated certain great works of modern fiction including novels of Cervantes, Fielding, Tolstoy, Melville, Joyce, and Faulkner. (Not open to English majors).

The following courses are open to both undergraduate and graduate students. For course descriptions see the 1964-65 COLLEGE CATALOG.

ENG. 333 EARLY ENGLISH DRAMA 3 sem. hrs.

ENG. 341 17TH CENTURY POETRY AND PROSE 3 sem. hrs.

ENG. 368 VICTORIAN PROSE 3 sem. hrs.

ENG. 406 ENGLISH PHILOLOGY AND GRAMMAR 3 sem. hrs.

ENG. 499 CRITICISM 3 sem. hrs.

GEOGRAPHY

GEOG. 501 EVOLUTION OF GEOGRAPHIC THOUGHT 3 sem. hrs.

Evolution of concepts concerning the nature of geography, scope, and methodology of the subject. The history of geographic ideas from the early Greek, Roman, and Arab geographies to the present era is studied. Special emphasis is given to the British, French, German, and American schools of geographic thought.

GEOG. 523 THE GEOGRAPHY OF SETTLEMENT 3 sem. hrs.

The course treats of the facilities men build in the process of occupying an area ranging from the primitive to that of the complex urban agglomeration. The bases upon which settlements are founded and nurtured and their site, situation, external relationships, and internal structure and morphology are primarily considered.

GEOG. 524 GEOGRAPHY OF TRADE AND TRANSPORTATION 3 sem. hrs.

Basic concepts and principles of trade and transportation geography are developed and studied. Problems that deal with land, and air transportation are discussed together with the establishment of ports, railroad centers, and airways to handle commodity exchanges. Particular emphasis is placed upon trade and transportation as important geographic factors in regional development.

GEOG. 548 POLITICAL GEOGRAPHY 3 sem. hrs.

Geography foundations of political events and conditions are the basis for this course. Concern is given to the geographic factors significant in the formation, growth, and Political behavior of states with problems such as boundaries, population distribution and other similar tensions.

GEOG. 549 GEOGRAPHY OF WORLD RESOURCES AND INDUSTRIES 3 sem. hrs.

A survey is made of the lands and seas of the world in terms of climate, soils, natural vegetation, energy sources, minerals, and fishery products. Study is also made of the industrial production and potential, its availability and the distribution of products.

GEOG. 556. GEOGRAPHY OF PENNSYLVANIA 3 sem. hrs.

This course involves the development of regional understandings of Pennsylvania, emphasizing man's cultural and economic response to his environment. Special attention is given to the resources of the state, their extent, their use, and the need for a well planned conservation program.

GEOG. 560 GEOGRAPHY OF SOUTH AMERICA 3 sem. hrs.

A consideration of the geography of South America provides an opportunity to evaluate the relative importance of environmental and cultural factors in accounting for the existence of empty and overcrowded land in the same country. Problems such as this, with implications for the entire "undervelooped" world, are examined from the geographic point of view.

GEOG. 566 GEOGRAPHY OF ANGLO-AMERICA 3 sem. hrs.

An advanced course, treating in detail some of the dynamic changes taking place in the United States and Canada which are affecting the size, shape, and character of the traditional geographic regions with reference to technology, social, and demographic conditions. Varied domestic and international policies and agreements and alterations in the resource base are among the major considerations.

GEOG. 571 GEOGRAPHY OF AFRICA SOUTH OF THE SAHARA 3 sem. hrs.

Special attention is given to the rapid political and technical change as affected by geography. These aspects, as well as the traditional interests of the regional geographer are examined against the background of the problems presented by the physical geography of this unique part of the world.

GEOG. 575 GEOGRAPHY OF WESTERN AND MEDITERRANEAN EUROPE 3 sem. hrs.

An intensified treatment of selected areas of Western and Mediterranean Europe in terms of physical, economic, and cultural circumstances from the viewpoint of geographic influence.

GEOG. 576 GEOGRAPHY OF SOUTH AND EAST ASIA 3 sem. hrs.

The physical, economic, and cultural geography of South and East Asia—Pakistan through Manchuria. Present circumstances and world relationships receive emphasis.

GEOG. 590 SEMINAR IN GEOGRAPHY 3 sem. hrs.
The individual student will pursue in depth selected topics in Geography that will vary according to the student's interest and need, and which will provide bases for seminar discussion.

The following courses are open to both undergraduate and graduate students. For course descriptions see the 1964-65 COLLEGE CATALOG.

GEOG. 353 PHYSIOGRAPHY 3 sem. hrs.

GEOG. 356 METEOROLOGY 3 sem. hrs.

GEOG. 357 GEOLOGY 3 sem. hrs.

HISTORY

HIST. 512 THE AMERICAN COLONIAL HERITAGE 3 sem. hrs.
The political, social, economic, and cultural patterns of early America are examined in the light of the transformations of the Colonies as an extension of Europe to their emergence as an independent nation.

HIST. 513 GROWTH IN DEMOCRATIC IDEALS IN
19TH CENTURY UNITED STATES 3 sem. hrs.
This course is concerned with the evolution of democracy in the United States during the nineteenth century. It will include the Jeffersonian Revolution of 1800, the progress made in political and social democracy during the Jacksonian Period, the democratic advances of the post Civil War era, and the effect of the Reform Movements on the growth of democracy.

HIST. 514 THE WESTWARD MOVEMENT 3 sem. hrs.
The impact of the westward movement upon the economic and social life of the United States is emphasized with some attention to the political causes and effects. Consideration is given to the pros and cons of the Turner thesis.

HIST. 521 SOCIAL AND CULTURAL HISTORY OF THE
UNITED STATES SINCE 1900 3 sem. hrs.
A study is made of the causes of the changing social and cultural trends in the twentieth century and they are evaluated in terms of our concepts of democratic ideals and their probable effects upon American society.

HIST. 522 THE UNITED STATES AS A WORLD POWER 3 sem. hrs.
The emergence of the United States into the world order, its roles in the Councils of the world, its responsibilities in world leadership, its encouragement of democratic systems.

HIST. 526 U.S.-LATIN AMERICAN RELATIONS 3 sem. hrs.
Diplomatic exchanges between the U.S. and the twenty Hispanic American republics are examined, as well as various economic, cultural and social contacts. Factors that have contributed to a lack of hemispheric solidarity are also considered.

HIST. 531 STUDIES IN PENNSYLVANIA HISTORY SINCE 1790 3 sem. hrs.

Some selected areas of the political, economic, and social growth of the Commonwealth are studied in terms of their uniqueness to Pennsylvania and/or as they are interwoven into the history of the United States.

HIST. 541 STUDIES IN CLASSICAL AND MEDIEVAL CIVILIZATION 3 sem. hrs.

Selected problems in the history of Hellenic, Hellenistic, Roman and Scholastic thought and culture. Special attention is paid to the Greek origins of ideas in science and natural law, to the influence of Stoic philosophy in the Roman world, and to the methods of the medieval schoolmen.

HIST. 542 THOUGHT AND CULTURE IN WESTERN EUROPE SINCE 1500 3 sem. hrs.

A study of the interaction of ideas and society in modern Europe, with special emphasis on the Renaissance-Reformation period, the Enlightenment, the social movements of the nineteenth century, and the cultural effects of the two World Wars.

HIST. 543 NATIONALISM AND LIBERALISM IN 19TH CENTURY EUROPE 3 sem. hrs.

The struggles for national aspirations and democratic systems in Europe are emphasized, and the interacting forces which set the pace of attainment and the degree of realization.

HIST. 544 THE WORLD SINCE 1945 3 sem. hrs.

The political and economic aspects of world problems are analyzed with particular emphasis placed on effect of World War II upon international leadership, expansion of communism, colonialism, and foreign aid programs.

HIST. 545 CONTEMPORARY WORLD AFFAIRS 2 sem. hrs.

Some of the more recent political events growing out of the Cold War, the questions of coexistence, and new political alignments are examined in terms of causes, trends, and a consideration of the solutions proposed.

HIST. 546 STUDIES IN 20TH CENTURY EUROPE 3 sem. hrs.

Attention is given to the forces which brought about two world conflicts, which saw a decline in monarchical systems, which produced dictatorships, and which changed the status of Europe in the world order.

HIST. 564 THE FAR EAST IN THE 20TH CENTURY 3 sem. hrs.

The emergence of the Far East into a potential world force area, its cultural transition, its national aspirations, its struggle for economic independence, and political recognition.

HIST. 565 SELECTED PROBLEMS OF AFRICA AND SOUTHWEST ASIA 3 sem. hrs.

The course is a selective study of the contemporary problems peculiar to Afro-Asian states and cultural areas. Problems such as poverty, overpopulation, illiteracy, industrial under-development, limited food resources, cultural hostilities, political and technological inexperience, etc. are subject to intensive examination and evaluation.

HIST. 590 SEMINAR IN HISTORY 3 sem. hrs.
Emphasis is on independent study in depth by each student of historical topics which contribute to the whole problem under consideration in the seminar, using the methods and tools of research. Class procedure involves informal discussion not only of the scholarship but of the relationship to the whole.

The following courses are open to both undergraduate and graduate students. For course descriptions see the 1964-65 COLLEGE CATALOG.

HIST. 326 DIPLOMATIC HISTORY OF THE UNITED STATES 3 sem. hrs.

HIST. 333 SOCIAL AND CULTURAL HISTORY OF
MODERN EUROPE 3 sem. hrs.

HIST. 423 PROBLEMS IN UNITED STATES HISTORY 3 sem. hrs.

HIST. 433 RENAISSANCE AND REFORMATION 3 sem. hrs.

HIST. 443 SELECTED CONTEMPORARY CULTURES 3 sem. hrs.

MATHEMATICS

MATH. 501 RECENT CHANGES IN MATHEMATICAL CONCEPTS 2 sem. hrs.

Discoveries in mathematics throughout the past 100 years with implications for the present-day classroom teacher will be examined. Topics discussed will include notational systems of mathematics with their application, and the logical foundations of arithmetic and algebra.

MATH. 502 MODERN MATHEMATICS FOR THE
ELEMENTARY SCHOOL 3 sem. hrs.

This course covers the establishment of newer practices in the development of mathematical concepts. The various modern concepts of mathematics are studied.

MUSIC

MUS. 501 INFLUENCES OF THE PAST IN CONTEMPORARY
MUSIC 2 sem. hrs.

This course is designed to show musical ideas and materials of Twentieth Century composers which have evolved from the musical thinking of the past. Representative examples from Impressionism to the Quarter-tone and Twelve-tone systems will be examined.

PHYSICAL SCIENCE

PHYS. SCI. 501 CONTEMPORARY APPLICATIONS OF
TECHNIQUES IN THE PHYSICAL SCIENCES 2 sem. hrs.

For the student with limited experiences in the physical sciences, opportunities are afforded for developing an understanding of scientific principles as they are applied today in the petroleum, steel, atomic energy, electronics, space aeronautics, and chemical industries.

POLITICAL SCIENCE

- POL. SCI. 511 PROBLEMS OF UNITED STATES GOVERNMENT 3 sem. hrs.
Some underlying structural problems emanating from the clash of constitutional theories are explored. The background of other difficulties that arise in the policy areas, such as unemployment, conservation, and public health are examined.
- POL. SCI. 513 PUBLIC ADMINISTRATION 3 sem. hrs.
Current trends and problems in the functions of the departments, agencies and commissions will be examined. The role of governmental regulation and control, the principles of organization and the essentials of planning will be considered.
- POL. SCI. 517 UNITED STATES FOREIGN POLICY 3 sem. hrs.
This course deals with the basic considerations which determine our foreign policy, the policy making machinery, the implementation of the policy, the constants and variables in our foreign policy, and current foreign policy problems.
- POL. SCI. 518 CONSTITUTIONAL LAW 3 sem. hrs.
Constitutional growth because of the interpretative power of judicial review is analyzed, particularly in relation to its recent impact on civil rights religious and economic matters, and other spheres of American life.
- POL. SCI. 525 INTERNATIONAL LAW AND ORGANIZATION 3 sem. hrs.
The generation of the idea of international courts and law are traced. The rise of many international organizations is explored, with particular emphasis on the League of Nations, the United Nations, and several regional organizations.
- POL. SCI. 533 CONTEMPORARY POLITICAL THEORY 3 sem. hrs.
The contributions of major political thinkers from the 17th through the 20th centuries are examined together with the ideas of selected minor political philosophers and the political themes of the age.
- POL. SCI. 541 POLITICAL PROBLEMS OF SELECTED EMERGENT NATIONS 3 sem. hrs.
Neutralism, non-alignment, and other ideologies of emergent nations are explored. The political implications of economic development in the new states are considered.
- POL. SCI. 590 SEMINAR IN POLITICAL SCIENCE 3 sem. hrs.
The individual student will pursue in depth selected topics within the central political science problem which is being studied, and relate its significance to the whole. Student initiative, originality, and resourcefulness are encouraged.
- The following course is open to both undergraduate and graduate students. For course descriptions see the 1964-65 COLLEGE CATALOG.
- POL. SCI. 433 HISTORY OF POLITICAL THOUGHT 3 sem. hrs.

PSYCHOLOGY

PSY. 511 HUMAN GROWTH AND DEVELOPMENT 2 sem. hrs.

The general characteristics of child and adolescent growth are reviewed with special attention given to motor and physiological, social, emotional, language, intellectual, and interest development. The influences of home, school, community, and institutional life on human development are considered.

PSY. 512 HUMAN LEARNING 2 sem. hrs.

In this course the student examines the nature of learning, current theories of learning and retention, and related factors. Emphasis is placed on application in the classroom.

PSY. 521 PSYCHOLOGICAL TESTING 2 sem. hrs.

This course is designed to familiarize students with various psychological tests, scales, and inventories that may be used in public schools to develop educational programs and provide guidance services that will lead to satisfactory personal adjustment of students. Laboratory experiences in psychological testing will comprise a portion of the course.

PSY. 531 ANALYSIS OF THE INDIVIDUAL 2 sem. hrs.

The specific nature of those facets of human capacitance and behavior affecting performance are considered in depth in this course.

The following courses are open to both undergraduate and graduate students. For course descriptions see the 1964-65 COLLEGE CATALOG.

PSY. 321 MENTAL TESTS (GROUP) 3 sem. hrs.

PSY. 322 MENTAL TESTS (INDIVIDUAL) 3 sem. hrs.

SOCIOLOGY

SOC. 511 SOCIAL INSTITUTIONS 3 sem. hrs.

Emphasis is given to the family as the basic unit in meeting human needs; comparative study of the larger social institutions; impact of cultural and special interest groups on American society.

SOC. 523 THE CONTEMPORARY AMERICAN COMMUNITY 3 sem. hrs.

Function of the local area in the meeting of human needs; rural, urban and metropolitan areas of social and economic organization; role of public and voluntary health, welfare and recreational agencies.

SOC. 524 COMPARATIVE CULTURES 3 sem. hrs.

Intensive analysis of selected non-literate societies, illustrating various degrees of complexity in material and non-material culture, and the relation of the individual to them; utilization and audio-visual background material.

SPECIAL EDUCATION FOR THE MENTALLY RETARDED

SPEC. ED. 501 ADMINISTRATION AND SUPERVISION OF
EDUCATION FOR EXCEPTIONAL CHILDREN 2 sem. hrs.

Criteria for administrative and supervisory leadership are evaluated in relation to services rendered classroom teachers. Analysis is made of the administrator's role in screening, diagnosis, guidance and placement. The functions of administrators to specialized personnel and to personnel in an organization are reviewed.

SPEC. ED. 502 CURRENT PROBLEMS IN SPECIAL EDUCATION
FOR THE MENTALLY RETARDED 2 sem. hrs.

Learning theories and research are interpreted and applied to regular and special class instruction. Aims and concepts in educational diagnosis are given intense study. Processes of identification, stimulation, and intellectual development are analyzed.

SPEC. ED. 503 EDUCATIONAL AND VOCATIONAL GUIDANCE
FOR THE MENTALLY RETARDED 2 sem. hrs.

Criteria for ultimate adjustment, achievement, and other goals are examined. Occupations are considered relative to satisfactory employment. Relationship of vocational guidance and age level to long range curricular planning is studied. Philosophies of vocational programs for mentally retarded are reviewed.

SPEC. ED. 504 ORGANIZATION OF SPECIAL CLASSES FOR
MENTALLY RETARDED CHILDREN 2 sem. hrs.

Role of the special class teacher within the school and in relation to other teachers and principal is examined. Relationships of special class pupils to other pupils are evaluated for various age levels.

SPEC. ED. 511 EDUCATION OF CHILDREN WITH RETARDED
MENTAL DEVELOPMENT IN THE ELEMENTARY SCHOOL 2 sem. hrs.

Study is made of the philosophies and teaching methods of various curricular plans developed for readiness levels and primary learners. Included also are diagnostic evaluations of educational problems confronting teachers; consideration of techniques useful in evaluating daily pupil progress; and evaluation of research, materials, and instruments.

SPEC. ED. 512 EDUCATION OF INTERMEDIATE CHILDREN
WITH RETARDED MENTAL DEVELOPMENT 2 sem. hrs.

Philosophies and teaching methods of major curricular plans are appraised and related to the mentally retarded having appropriate chronological ages. Articulation of intermediate age levels to primary and older youth levels is considered. Research, materials, and equipment are evaluated.

SPEC. ED. 521 EDUCATION OF CHILDREN WITH RETARDED
MENTAL DEVELOPMENT IN THE SECONDARY SCHOOL 2 sem. hrs.

Appraisal of philosophies, curriculums, and teaching methods is made in relation to learners enrolled in older youth or secondary level programs. Analysis of academic programs with on-the-job and vocational programs is included; appropriate research, materials, equipment and resources are evaluated.

SPEC. ED. 531 TEACHING READING TO THE MENTALLY
RETARDED 2 sem. hrs.

Goals and methods for various developmental reading levels are interpreted and applied. Analysis and use of teacher-prepared materials includes story writing related to pupil experiences and interests. The reading method is co-ordinated with other curricular areas and includes special techniques for individual problems of learning.

SPEC. ED. 532 LANGUAGE AND SPEECH PROBLEMS
OF THE MENTALLY RETARDED 2 sem. hrs.

Review of research and analysis of language and speech development emphasized are in relation to intellectual development. Cultural background and other influences are explored. Criteria and techniques for developing language and speech in the special class are studied. Role of the speech correctionist and others to teachers is identified.

SPEC. ED. 541 BEHAVIOR AND ADJUSTMENT OF THE
MENTALLY HANDICAPPED 2 sem. hrs.

Problems of school achievement and of home and school adjustment are explored and analyzed. Factors causing a typical behavior at school and within special classes are given careful attention. Cultural and familial influences are studied.

SPEC. ED. 542 PSYCHOLOGY OF MENTAL RETARDATION 2 sem. hrs.

Intensive review of research pertaining to etiology of mental retardation, of classification systems, and of diagnosis is made. Included are a study of brain injury, familial retardation, research on learning characteristics, and evaluation of psychological tests. Criteria distinguishing mental retardation from other problems are examined.

SPEC. ED. 544 TESTS AND REMEDIAL WORK FOR THE
MENTALLY RETARDED 2 sem. hrs.

Evaluation and experience are provided in the use of diagnostic tests. Includes consideration of causes for educational retardation, remedial techniques for language arts and other curricular areas. Experience is arranged for development of skills in remedial work, in writing, and in interpreting case histories and reports.

SPEC. ED. 545 MANUAL SKILLS AND ANALYSIS OF
JOB AREAS 2 sem. hrs.

Investigation and analysis are concerned with manual skills at various developmental levels. Research criteria and information are applied to job-performance and adjustment, and to the community, and to job-opportunities. Experience is provided in job-analysis for skills involved, and in surveying job-adjustments of retarded adults.

SPEC. ED. 552 ADVANCED STUDENT TEACHING INTERNSHIP 2 sem. hrs

Opportunity is provided for selection of unique classroom problems and for an intensive analysis of pupil problems. Supervised teaching experiences in residential or public schools are planned and made available for the solution of problem areas. Evaluation of results is made for problem areas considered.

SPEC. ED. 559 SEMINAR IN EDUCATION OF
EXCEPTIONAL CHILDREN 2 sem. hrs.

Consideration is given to problems which are of individual interest to the student. Selection of a plan for study of problems is co-ordinated with presentation of procedures, progress, and outcomes in seminar sessions which will vary each semester.

The following course is open to both undergraduate and graduate students. For course descriptions see the 1964-65 COLLEGE CATALOG.

SPEC. ED. 416 PSYCHOLOGY OF EXCEPTIONAL CHILDREN 3 sem. hrs.

SPEECH CORRECTION

SP. CORR. 501 FOUNDATIONS OF SPEECH AND
HEARING EDUCATION 2 sem. hrs.

Historical review and analyses are made concerning the evolution of the profession. Interdisciplinary aspects are examined. Organizational, administrative, and legal area are evaluated as they relate to education and the profession.

SP. CORR. 504 CURRENT SPEECH AND HEARING PRACTICES
IN PUBLIC SCHOOLS 2 sem. hrs.

Present practices and philosophies in public schools are examined. Merits of existing programs are considered. Educational structures, national, state, and local requirements are reviewed. Research, trends, and advance practices in the field are considered. Includes analyses of equipment, materials, record-keeping procedures, and related audio-visual-kinesthetic materials.

SP. CORR. 511 ORGANIC DISORDERS OF ARTICULATION 2 sem. hrs.

Etiology, diagnosis, and treatment of organic factors are subjected to intense study. Emphasis is focused on articulatory abnormalities of speech processes caused by cerebral palsy and cleft palate insults. Implications of disorders for developmental age levels are considered.

SP. CORR. 512 SEMINAR IN APHASIA AND ALLIED
SYMBOLIZATION DISORDERS 2 sem. hrs.

Study is made of selected topics related to aphasic and dysphasic injuries of the central nervous system; review of literature, critique, research problems; and clinical methodology. Topics will vary each semester according to needs of students and research developments.

SP. CORR. 532. HEARING AIDS AND AUDITORY TRAINING 2 sem. hrs.

Theoretical and clinical analyses of literature are evaluated in relation to educational and other rehabilitative measures available to individuals with serious organic and non-organic hearing problems. Study, interpretation, and evaluation of modern instruments and tests are included.

SP. CORR. 541 SEMINAR IN STUTTERING 2 sem. hrs.

Consideration is given to selected topics related to stuttering and to stuttering behavior and may include diagnosis, therapy or related implications and research. Topics will vary each semester according to needs of students and developments related to stuttering.

SP. CORR. 553 SPEECH PATHOLOGY PRACTICUM 2 sem. hrs.

Special clinical problems of clients are considered through advanced study and experience. Internships may be arranged in approved institutions or schools. Problem areas and student practicums must be approved by graduate advisor.

SP. CORR. 561 VOICE AND LANGUAGE DISORDERS 2 sem. hrs.

Differential diagnosis and therapeutic methods are evaluated for organic and functional disorders. Particular attention is given to vocal processes and pathologies associated with laryngectomies, vocal nodules and ulcers, vocal band paralysis, psychogenic disturbances, foreign dialects, dysarthrias, language deficiencies resulting from sensorineural hearing impairment, and problems associated with voice quality and nasality. Clinical tests and instrumentation are appraised.

SP. CORR. 571 SEMINAR IN SPEECH PATHOLOGY 2 sem. hrs.

Consideration is given to selected theoretical and clinical areas of speech pathology and related disciplines. Selected areas may include clinical and research topics pertaining to student needs. Areas to be selected will vary each semester.

SP. CORR. 572 SEMINAR IN AUDIOLOGY 2 sem. hrs.

Analysis, interpretation, and study are made of selected areas in audiology and related disciplines that may include education, psychology, otology, rehabilitation, and other fields. Topics selected will vary each semester according to developments in research and according to student needs.

SP. CORR. 575 SPEECH AND VOICE SCIENCE 2 sem. hrs.

Historical review, interpretation, and application of literature dealing with experimental and practical phonetics are emphasized. Advanced study of kinesiological phonetics and phonetic metamorphology is studied in relation to anatomical and physiological processes of the speaking act. Evaluation also is made of diagnostic tests and instruments developed to measure physiological and other properties of speech and acoustics.

The following courses are open to both undergraduate and graduate students. For course descriptions see the 1964-65 COLLEGE CATALOG.

SP. CORR. 452 ANATOMY OF SPEECH AND HEARING
MECHANISMS 3 sem. hrs.

SP. CORR. 491 MEASUREMENT OF HEARING LOSS 3 sem. hrs.

TENTATIVE GRADUATE CALENDAR

1964-1965 ACADEMIC YEAR — SECOND SEMESTER

January	27	—Final date of mail registration for Second Semester.
February	1	—Registration for Second Semester — 6:00 p.m. to 8:00 p.m.
February	2	—Second Semester classes begin.
March	29	—Final date for submitting of completed Research Projects to Director of Graduate Studies for distribution to the committee members if May graduation is desired. The time of the final oral examination of the Research will be set at this time.
April	10	—Final date for submitting application for graduation for the May graduation (including payment of graduation and binding fees).
April	10	—Final date for completion of Research Projects for May graduation.
April	12	—Easter recess begins.
April	19	—Easter Recess ends.
May	18	—Mail registration begins for Summer Sessions—1965.
May	22	—Second Semester ends.
May	29	—May graduation.

SUMMER 1965

June 7	-	June 25—Three-week Pre-Session.
June 10	-	June 25—Two-Week Pre-Session.
		June 28—Final date for submitting of completed Research Projects to Director of Graduate Studies for distribution to the Committee members if August graduation is desired. The time of the final oral examination of the Research will be set at this time.
		July 9—Final date for submitting application for graduation for the August graduation (including payment of graduation and binding fees).
		July 9—Final date for completion of Research Projects for August graduation.
June 28 to August 6		—Main Session.
August 9 to August 24		—Two-week Post Session.
August 9 to August 27		—Three-week Post Session.

1965-1966 ACADEMIC YEAR

September	13	—Final date of mail registration for First Semester.
September	15	—Registration for First Semester — 6:00 p.m. to 8.00 p.m.
September	16	—Classes begin for First Semester.
November	23	—Thanksgiving recess begins at 5:00 p.m.
November	29	—Thanksgiving recess ends at 8:00 a.m.
November	29	—Final date for submitting of completed Research Projects to Director of Graduate Studies for distribution to the committee members if January graduation is desired. The time of the final oral examination of the Research will be set at this time.
December	11	—Final date for submitting application for graduation for the January graduation (including payment of graduation and binding fees).
December	11	—Final date for completion of Research Projects for January graduation.

- December 16—Christmas recess begins at 5:00 p.m.
 January 3—Christmas recess ends at 5:00 a.m.
 January 22—End of First Semester classes.
 January 31—Final date of mail registration for Second Semester.
 February 3—Registration for Second Semester — 6:00 p.m. to 8:00 p.m.
 February 5—Second Semester classes begin.
 March 28—Final date for submitting of completed Research Projects to Director of Graduate Studies for distribution to the committee members if May graduation is desired. The time of the final oral examination of the Research will be set at this time.
 April 1—Final date for submitting application for graduation for the May graduation (including payment of graduation and binding fees).
 April 1—Final date for completion of Research Projects for May graduation.
 April 2—Easter recess begins at 5:00 p.m.
 April 12—Easter recess ends at 8:00 a.m.
 May 18—Mail registration begins for Summer Sessions — 1965.
 May 26—Second Semester ends at end of classes.
 May 29—May graduation.

SUMMER 1966

- June 6 - June 24—Three-week Pre-Session
 June 9 - June 24—Two-Week Pre-Session.
 June 27—Final date for submitting of completed Research Projects to Director of Graduate Studies for distribution to the Committee members if August graduation is desired. The time of the final oral examination of the Research will be set at this time.
 July 8—Final date for submitting application for graduation for the August graduation (including payment of graduation and binding fees).
 July 8—Final date for completion of Research Projects for August graduation.
 June 27 to August 5—Main Session.
 August 8 to August 23—Two-week Post Session.
 August 8 to August 26—Three-week Post Session.



CARVER HALL