

1964

## 1964-1965 Southern Illinois University Bulletin (General Studies and Air Force ROTC)

Southern Illinois University Carbondale

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# **Southern Illinois University**

*Bulletin*



*General Studies*

**and AIR FORCE ROTC**

**1964 - 65**

# Objectives of Southern Illinois University

## TO EXALT BEAUTY

IN GOD,  
IN NATURE,  
AND IN ART;  
TEACHING HOW TO LOVE THE BEST  
BUT TO KEEP THE HUMAN TOUCH;

## TO ADVANCE LEARNING

IN ALL LINES OF TRUTH  
WHEREVER THEY MAY LEAD,  
SHOWING HOW TO THINK  
RATHER THAN WHAT TO THINK,  
ASSISTING THE POWERS  
OF THE MIND  
IN THEIR SELF-DEVELOPMENT;

## TO FORWARD IDEAS AND IDEALS

IN OUR DEMOCRACY,  
INSPIRING RESPECT FOR OTHERS  
AS FOR OURSELVES,  
EVER PROMOTING FREEDOM  
WITH RESPONSIBILITY;

## TO BECOME A CENTER OF ORDER AND LIGHT

THAT KNOWLEDGE MAY LEAD  
TO UNDERSTANDING  
AND UNDERSTANDING  
TO WISDOM.

# General Studies

and Reserve Officers Training Corps

*Announcements for 1964-1965*

SOUTHERN ILLINOIS UNIVERSITY BULLETIN  
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General Information  
General Studies and AF ROTC  
Financial Assistance  
Summer Session (Carbondale)  
Summer Session (Edwardsville)  
Schedule of Classes (Carbondale)  
Schedule of Classes (Edwardsville)  
Divisional Announcements (Edwardsville)  
Graduate School  
College of Education  
College of Liberal Arts and Sciences  
School of Agriculture  
School of Business  
School of Communications  
School of Fine Arts  
School of Home Economics  
School of Technology  
Division of Technical and Adult Education  
Department of Nursing

All intending students should have the General Information bulletin (issued once a year), plus the special bulletins of the various educational units in which they are most interested.

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# *This Bulletin*

presents the General Studies program, which is required of all bachelor's degree students. It also covers in detail questions concerning the Air Force Reserve Officers Training Corps, which is for Carbondale Campus students only.

*This issue supersedes volume 5, Number 7.*

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# General Studies

SOUTHERN ILLINOIS UNIVERSITY was established in 1869 as Southern Illinois Normal University. The shortened name became official in 1947 by action of the state legislature. The University now operates two major campuses, located at Carbondale and Edwardsville.

In the fall quarter of 1962, Southern Illinois University initiated a new, expanded program in General Studies. This program is required of all bachelor's degree students and replaces a program of distributive requirements, which called for the student to take a certain number of hours in several specified areas. In such a plan the student paid little attention to the order in which the courses were taken and sometimes even to the time, during his four years, when they were taken. Knowledge has a unity which is violated by such arrangement, and it is felt that only the better students put it all together in proper meaning and perspective.

Several recent developments have influenced colleges and universities toward General Studies programs. One of these is the explosive increase in the amount of knowledge that man has achieved. Another is that an increased standard of living has permitted a greater proportion of qualified youth to enter college. Colleges and universities are slowly accepting the new roles and responsibilities that have been thrust upon them and are accepting the fact that the subject matter of a university does not exist independently of the society which supports it.

Even a cursory examination of college catalogs will convince the impartial examiner of the need for some counter balances to specialism. The number of course offerings is seldom in direct proportion to the value of the courses. Further, the education of an enlightened people through the transmission of the culture of our times is a basic objective of higher education. Specialists themselves realize that rigid concentration within any field of study may deprive them of broader understandings so important for participation in life as citizens and parents.

Frequently the question is raised, "Why must I take this course or that course? I am preparing to make this subject my life's work, and will

not need the other courses I am being made to take." The answer is, of course, that all of our society must understand the ways in which the awesome discoveries in atomic energy, rocketry, and medicine, etc., shape our happiness, and may even determine our national survival. It has been said that the tempo of scientific progress is geared to our national security and welfare.

The technological revolution brought on by these discoveries has presented us with many social problems. These problems, too, have risen quickly, and the consequent social reactions of apathy, boredom, anxieties, frustration, changes in values, change in role, etc., indicate a clear need for better understanding to bring about a better social adjustment. Our educational efforts must produce citizens and leaders with an ability to use knowledge in a way which also advances social and cultural life.

Many leaders in higher education are convinced by the hard school of experience that a smattering and cafeteria-style sampling of introductory courses offered by "departments" have not provided a unified, broad understanding of the world that surrounds us. They note the advances that have come from research in the area of the psychology of learning. This comparatively new branch of the social sciences calls attention to new methods for stimulating reflective thinking, desires for stimulating learning, and better methods of presenting materials. Leaders in higher education are currently interested in the experimentation throughout the nation with teaching machines, with instruction through television, and with team teaching. Perhaps some of these new devices and new methods will lend themselves to the teaching of courses that meet the criteria for General Studies. There is a growing belief that instructional materials should be selected for the influence they will presumably have on the intellectual, moral, social, and personal development of students as well as for the support they may provide to a specific department or discipline.

General Studies are only part, not the whole, of man's education. While General Studies can conceivably help a student in his choice of occupation and can contribute to his success in a given occupation, their principal objective is not to develop vocational skills. They comprise that portion of the total curriculum which is concerned with the common needs of man and which assists the student to be more at home in a world that increasingly demands more of all men in terms of the intellectual, spiritual, and social. One of the prime purposes of a General Studies program is to prepare students to assume their proper responsibilities in an ever changing world.

The General Studies program at Southern has been structured to build in a relevance and continuity of subject matter. Progressive three-quarter sequences (three hours per quarter) have been designed. First-level or freshman courses are planned sequences, with the second quarter's work

based upon the first and the third quarter's work based upon the second. Second-level courses are normally completed during the sophomore and junior years. Third-level courses are offered to juniors and seniors. The new courses are not self-contained isolated units. The result is that a sense of unity is given to the whole program.

### *CRITERIA FOR GENERAL STUDIES COURSES*

All courses approved by the President's Committee on General Studies have been carefully studied to determine their acceptability in meeting the following criteria:

1. Does the course emphasize insight into the basic principles and practices of the field of study concerned?
2. Does the course serve as an adequate terminal course for those who will not take additional work in this area?
3. Does the course show the relevance of a particular discipline to the understanding of other disciplines?
4. Does the course avoid overlapping or unduly repeating materials which are sufficiently covered elsewhere?
5. Does the course avoid repeating materials already covered adequately in high school?
6. Does the course provide an incentive for additional study in General Studies while in college and afterwards?
7. Does the course have depth and intensity in the materials selected for instruction, as well as breadth of outline?
8. In general, does the material of this course justify its inclusion in the General Studies program of Southern Illinois University?

### *ADVISEMENT*

Academic advisement for students during the first two years is under the general direction of the executive officers of General Studies. Academic advisement for upperclassmen (those enrolled in the various colleges, schools, divisions, and departments) is under the general direction of the officers of the academic units in which they are enrolled. Co-ordination of the two types of advisement is the responsibility of the general academic deans (or their delegated representatives) of the two campuses.

### *ENROLLMENT*

A student entering the University as a freshman or sophomore is enrolled in the General Studies program (except one entering the Vocational-Technical Institute). He may or may not indicate a tentative choice of his

primary field of interest, but he does not formally apply for admission into a specialized field until the quarter before he reaches junior standing.

Although the number of quarter hours in the General Studies curriculum constitutes approximately half of the number required for graduation, sufficient hours remain for adequate work in one's special field of interest. The General Studies requirements do not eliminate the possibility of an early start in that field, for one who has declared his field of interest may waive the first-level sequence in the appropriate area. However, one can take the General Studies sequences to the extent of a full load for several quarters and be able to make an unhurried selection of his field of interest.

Electives are built into the General Studies curriculum by a system of options, particularly on the second and third levels.

The new student can advance register and should see an adviser. During his first quarter, and each quarter thereafter, he may advance register for the succeeding quarter. Advisers need be consulted during registration only if necessary. The adviser is available for help if needed, but the responsibility for a correct registration and for meeting the requirements rests upon the student. He is encouraged by his general adviser, even during his first two years, to consult with representatives of the appropriate academic units concerning his possible field of interest.

The student is expected in his second year to take the Sophomore Testing Program, and in the quarter he expects to graduate to take the Graduate Record Examination. Students will be notified of the times and places of the examinations.

### *ACCELERATION AND PLACEMENT*

There are three ways in which partial requirements of the General Studies program may be met without taking the courses specifically designed to meet those requirements. They are waivers, advanced-standing assignments, and proficiency examinations.

Depending upon their background preparation in a particular subject, students may be placed in different sections of a particular course or in different sequences.

All students enrolled in the General Studies program are urged to consult their advisers at the earliest possible moment concerning the procedures for accelerating their programs.

#### WAIVERS

Each student is entitled to waive (i.e., omit entirely) the first-level sequence in the area (A, B, or C only) in which he will concentrate his work and to begin his work in that area at the second level. This is inad-

visible, however, for some majors; and the department or division involved may require the student to take the first-level sequence. Of course the student who has not chosen a field of concentration cannot waive a first-level sequence. (Please refer to page 17 for a note on waivers.)

#### ADMISSION WITH ADVANCED STANDING

More commonly, advanced standing will be achieved on the basis of A.C.T. scores and the high school record, or through passing a special advanced-standing examination (not the proficiency exam). Where a student qualifies for and requests advanced standing in a course he will not ordinarily be permitted to later enroll in that course for credit. For example, one who qualifies for advanced standing in GSD 114 will not take GSD 114 for credit.

A student who gains exemption from certain courses by advanced standing may (1) take advanced work in that area if more work is required by the General Studies program, (2) discontinue any further work in that area if it is not required by the General Studies program, (3) take advanced work in that area to satisfy the requirements of a particular curriculum, or (4) take additional courses in that area as electives.

Advanced standing for the General Studies program should not be confused with the High School Advanced Placement Program of the College Entrance Examination Board. Information on the Advanced Placement Program appears in the General Information issue of the *Southern Illinois University Bulletin*.

#### PROFICIENCY EXAMINATIONS

The rules covering the General Studies proficiency examinations are similar to those governing other proficiency examinations at Southern.

If a student passes a proficiency examination over a General Studies course he will be exempt from that portion of the program. In addition, if his grade is *B* or better, he will be granted an equivalent number of quarter hours toward graduation.

Information concerning proficiency examinations may be secured from the Registrar's Office, Carbondale, or from the Office of Academic Advisement, Edwardsville.

### OUTLINE OF GENERAL STUDIES REQUIREMENTS

*Area A: Man's Physical Environment and Biological Inheritance...24 hours*

A first-level basic sequence	(GSA-1)	9 hours
A second-level continuation sequence	(GSA-2)	9 hours
Third-level advanced courses	(GSA-3)	6 hours



<i>Area B: Man's Social Inheritance and Social Responsibilities</i> .....	24 hours
A first-level basic sequence	(GSB-1) 9 hours
A second-level continuation sequence	(GSB-2) 9 hours
Third-level advanced courses	(GSB-3) 6 hours
<i>Area C: Man's Insights and Appreciations</i> .....	24 hours
A first-level basic sequence	(GSC-1) 9 hours
A second-level continuation sequence	(GSC-2) 9 hours
Third-level advanced courses	(GSC-3) 6 hours
<i>Area D: Organization and Communication of Ideas</i> .....	18 hours
Required college composition and speech	(GSD-1) 9 hours
Either a foreign language sequence or a basic mathematics sequence	(GSD Math or FL) 9 hours
<i>Area E: Health and Physical Development</i> .....	6 hours
First-level required physical education	(GSE PE) 3 hours
Second-level required health education	(GSE-2) 3 hours
<i>Total</i> .....	96 hours
If a first-level sequence is waived, the total is only 87 hours.	

### SPECIFIC REQUIREMENTS—CARBONDALE

FRESHMAN LEVEL .....	39-48 HOURS
GSA-1	101-9 (phys, chem, chem) lab is optional 9
GSB-1	101-9 (hist, hist, geog) 9
GSC-1	110-9 (western humanities); OR 100-3 (mus) or 101-3 (art), 102-3 (phil), 103-3 (lit) 9
GSD-1	101-6 (Eng comp), 103-3 (spch) 9
GSD Math or FL	108-9 (Math); OR 108-6, 110-3 (bus, econ, ag econ majors only); OR 114-9 (col alg & trig); OR a 9-hour course in a foreign language
GSE PE (men)	101a (swim) or 102; plus 2 hours excluding 101a, 102;
(women)	OR 111a (swim) or 112 or 113d, plus 2 hours exclud- ing 111a, 112, 113d; BUT each student who cannot pass a swimming test must take 101a or 111a, and not more than two hours in 101 and 103 or in 111 and 103 may apply toward the requirement. 3
FC	Attendance at freshman convocations for 3 quarters is required but is not part of the GS program.

## GENERAL STUDIES

7

USAF Men must take 3 quarters of freshman Air Science, which is not part of the GS program.

## SOPHOMORE LEVEL ..... 30 HOURS

GSA-2	201-6 (biol), 201c (biol) or 200-3 (geol)	9
GSB-2	201-9 (anth, psyc, soc); OR 211-9 (econ, govt, econ-govt)	9
GSC-2	209-3 (modern lit) or 202-3 (poetry) or 203-3 (thea), and 200 (speech) or 204-3 (art) or 205-3 (des) or 206-3 (mus), and 207-3 (phil) or 208-3 (logic) or 201-3 (drama) or 210-3 (fiction); OR 211-9 (oriental humanities)	9
GSE-2	201-3 (health educ)	3

## JUNIOR LEVEL ..... 18 HOURS

GSA-3	Any two of the following, except not both 330 & 331: 301 (phsl), 302 (psyc), 312, 313, 314, 315 (zool), 321 (geol), 330, 331 (geog), 340, 345 (bot)	6
GSB-3	Any two of the following: 300a, 300b, 300c <sup>1</sup> , 301, 302, 303, 304 (govt), 311, 312, 313 (econ), 314 (ag- econ), 320 (soc, summer, abroad), 321 (soc), 323 (hist), 325 (soc), 331 (educ), 333 (hist), 341 (soc), 343 (geog), 369 (hist), 385, 390, 392 (govt)	6
GSC-3	Any two of the following: 301 (Eng), 305 (Fr), 310, 311, 312 (phil), 313 (Eng), 318 (Eng, summer, abroad), 320 (Grk), 321 (Eng), 330 (Grk), 331 (Ltn), 335 (Eng), 340, 341, 342 (art), 345 (Eng), 348 (p&p), 365 (Eng), 381, 382, 383, 386, 387 (phil)	6

*SPECIFIC REQUIREMENTS—EDWARDSVILLE*

## FRESHMAN LEVEL ..... 39-48 HOURS

GSA-1	101-9 (phys, phys-chem, chem)	9
GSB-1	101-9 (geog, hist, hist)	9
GSC-1	151-3 (poetry), 152-3 (logic), 100-3 (mus) or 101-3 (art)	9
GSD-1	101-6 (Eng comp), 103 (spch)	9
GSD Math or FL	112-9 (math); OR 114-6 (col alg) 114c-3 (trig) or 114d-3 (stat); OR a 9-hour course in a foreign language	9

<sup>1</sup> Except 300c may not be taken separately for General Studies credit.

GSE PE (men)	101a (swim), 102, plus one hour excluding 101a, 102;	
(women)	OR 111a (swim), 112, plus one hour excluding 111a, 112;	
	BUT a student who passes a swim test or for whom no swim facilities are provided must take 102 or 112 and 2 hours from 103, 104 or from 113, 114.	3
SOPHOMORE LEVEL .....		30 HOURS
GSA-2	201a-3 (biol), 201b,c-6 (zool, bot) or 200-6 (earth science)	9
GSB-2	201-9 (anth, soc, psyc); OR 211-9 (econ, govt, govt-econ)	9
GSC-2	251-9 (lit-phil); OR 251a,c-6, 203-3 (thea) or 255-3 (mus)	9
GSE-2	201-3 (health educ)	3
JUNIOR LEVEL .....		18 HOURS
GSA-3	Any two of the following, except not both 330 & 331: 312 (conservation), 330, 331 (geog), 356 (astr), 358a,b, 361 (phys), 363a,b (phil,sci)	6
GSB-3	Any two of the following: 311 (econ), 331 (educ), 351a,b (geog-anth), 354 (econ-geog), 359a,b (soc, govt)	6
GSC-3	Any two of the following: 335 (Eng lit), 351a,b,c (art), 354a,b (thea), 357a,b,c (mus), 360a,b (art, mus, lit), 363a,b (phil-sci)	6

### COURSE DESCRIPTIONS

These are General Studies courses rather than departmental courses. They are identified by *area* and number, not by *department* and number. For example, one taking Introduction to Physical Science might enroll in General Studies Area A (GSA) 101 but not in Physics 101 or Chemistry 101.

A small capital c just before a course number indicates that the course is given only on the Carbondale Campus; a capital e indicates that the course is given only on the Edwardsville Campus. The absence of both letters indicates, in most cases, that the course is given on both campuses.

Following the course number is a dash and a numeral indicating the total credit given for the course. In a case where additional numerals appear in parentheses, the course does not terminate in one quarter but continues for two or more quarters. Credit given for each part of the course is indicated by the numerals in parentheses.

For example, GSA 101-9 (3,3,3) is offered at both campuses for a total of 9 hours of credit. The course runs for one academic year (three quarters) at 3 hours per quarter. First a student takes 101a-3, then he takes 101b-3, and finally he completes the course by taking 101c-3.

**GSA MAN'S PHYSICAL ENVIRONMENT AND BIOLOGICAL INHERITANCE**

- 101-9 (3,3,3) **INTRODUCTION TO PHYSICAL SCIENCE.** The basic physical and chemical principles necessary to understand energy, and the properties and behavior of matter. Must be taken in a,b,c sequence. Prerequisite: Mathematics 100 or 106, or satisfactory score on placement test.
- 200-3 **EARTH SCIENCE.** A study of the earth: the materials which compose it, its various surface formations, the processes which change it, its relationship to the sun, and its mapping. No second level prerequisites. May be taken in lieu of one part of 201.
- 201-9 (3,3,3) **MAN'S BIOLOGICAL INHERITANCE.** The fundamentals of biological science: the cell, inheritance, evolution, the diversity of living organisms, and the structure and function of higher animals and plants. Must be taken in a,b,c sequence, with these exceptions: Carbondale students may take either 200, 201a, and 201b or 201a, 201b, and 200; Edwardsville students may take either 201a, 200, and 201c or 201a, 201b, and 200. Prerequisite: 101c (high-school chemistry or Chemistry 111 for Edwardsville science students).
- c 301-4 **PRINCIPLES OF PHYSIOLOGY.** A comprehensive introductory analysis of the functional machinery of the human body.
- c 302-3 **PSYCHOBIOLOGICAL FOUNDATIONS OF BEHAVIOR.** A study of the behavioral characteristics of living organisms, especially those of mammals and man.
- 312-3. **CONSERVATION OF NATURAL RESOURCES.** A study of man's use and misuse of natural environment.
- c 313-3 **EVOLUTION.** Principles and processes of the evolution of living things, including man. Prerequisite: one year of biology.
- c 314-3 **MAN'S GENETIC HERITAGE.** Principles of heredity as related to man, with emphasis on the effects of environment on his biological inheritance.
- c 315-3 **HISTORY OF BIOLOGY.** The inter-relationship between the development of biological knowledge and the history of mankind.
- c 321-3 **INTRODUCTION TO PALEONTOLOGY.** A study of the record of fossil plants and animals and the application of biological and geological principles to the development of theories regarding their origin, evolution, distribution, and extinction.
- 330-3 **WEATHER.** A study of weather elements basic to understanding the various atmospheric happenings, with application to agriculture, industry, recreational resources, etc. Students may take only 330 or 331 for General Studies credit.
- 331-3 **CLIMATE.** Description and interpretation of climatic regions and their influence on human activity. Students may take only 330 or 331 for General Studies credit.
- c 340-3 **ECOLOGY.** A consideration of ecological principles with emphasis upon examples relating to vegetation.

- c 345-3 ECONOMIC BOTANY. The study of man's dependence upon plants, domestication, production, consumption, crop ecology, possible new uses of plants.
- E 356-3 ASTRONOMY. The earth, moon, solar system, galaxy, and universe. A first course, largely descriptive, but relating behavior of celestial bodies to fundamental physical laws. Prerequisite: GSA-1 or Physics 297.
- E 358-6 (3,3) ANALYSIS OF PHYSICAL SYSTEMS. Quantitative applications of the principles of classical and modern physics. Prerequisite: GSD 114-9. Not open to students who have taken college physics.
- E 361-3 PHYSICS OF MUSIC AND ACOUSTICS. Nature, propagation, sources, and receptors of sound; acoustic phenomena; physics of musical instruments; mathematics of music; ears and hearing; physiology and psychology; transmission, storage, and reproduction.
- E 363-6 (3,3) PHILOSOPHY OF SCIENCE. (a) The logic of scientific explanation illustrated by analysis of physical concepts and theories. (b) The logic of explanation in the biological and behavioral sciences and their implications for the individual and society. May be taken in a,b or b,a sequence, but a,b is preferable.

GSB MAN'S SOCIAL INHERITANCE AND SOCIAL RESPONSIBILITIES

- 101-9 (3,3,3) SURVEY OF WESTERN TRADITION. (a) A general survey of the geographic setting in which Western civilization developed. Physical, economic, and historical geography of past and present Europe. (b) A general survey of the political, economic, social, and intellectual development of Western Europe from the Middle Ages through the French Revolution. (c) A general survey of the political, economic, social, and intellectual development of Western Europe since the French Revolution. Must be taken in a,b,c sequence at Edwardsville or b,c,a sequence at Carbondale.
- 201-9 (3,3,3) CULTURE, SOCIETY, AND BEHAVIOR. An examination of the anthropological, sociological, and psychological contributions to the understanding of human behavior. Must be taken in a,b,c sequence at Edwardsville or a,c,b sequence at Carbondale.
- 211-9 (3,3,3) POLITICAL ECONOMY. The functioning of the economy, the theory, organization, and operation of government, and the making of public policy in the economic sphere.
- 300-9 (3,3,3) HISTORY OF THE UNITED STATES. A general survey of the political, social, and economic development of the United States. (a) 1492 to 1815, (b) 1815 to 1900, (c) 1900 to the present.
- c 301-3 LAW: COMPARATIVE LEGAL SYSTEMS. A comparison of the legal institutions and laws in the United States, Western Europe, South America, and Eastern nations.
- c 302-3 LAW: CIVIL RIGHTS. The law protecting the civil liberties and rights of people.
- c \*303-3 INTERNATIONAL RELATIONS. A study of world politics. The causes of international conflict and the conditions of peace.
- c 304-3 LAW: HISTORY AND PHILOSOPHY. A study of the evolution and development of law beginning with the ancient and archaic periods. Greek law, Roman law, and English and American law. In addition, the historical development of legal philosophy is reviewed.

- 311-3 ECONOMIC DEVELOPMENT OF THE UNITED STATES. A study of the development of the U.S. economy which emphasizes the underlying trends and forces of change that have led to our present economic structure, level of performance, and world position. Prerequisite: 211-9 at Carbondale, 211a at Edwardsville.
- c 312-3 COMPARATIVE ECONOMIC SYSTEMS. A comparative study of the goals, structure, and operation of the major economic systems, such as capitalism, socialism, communism, and fascism. Emphasis will be placed upon basic systems of organization and control, and upon mixed economies, rather than upon the traditional compartments within which economic systems are sometimes put.
- c \*313-3 ECONOMICS OF WAR AND PEACE. A study of relations between wartime and peacetime economies with specific references to government controls, impact of military expenditures in "hot" and "cold" wars, and the reallocation of resources.
- c 314-3 ECONOMIC ANALYSIS OF THE AGRICULTURAL POLICIES OF THE UNITED STATES. A study of the agricultural policies of the United States with emphasis on the underlying economic bases of such policies and the effects of such policies on farmers, middlemen, and consumers.
- c 320-6 MODERN BRITAIN. History, economics, government, and sociology of contemporary Britain (summer only, abroad).
- c 321-3 SOCIALIZATION OF THE INDIVIDUAL. A study of the emergent social process in which the native capacities of the infant are shaped and developed through interaction with significant others during infancy and childhood.
- c 323-3 EAST AND WEST IN THE 20th CENTURY—ORIGINS AND PROSPECTS. Study of the development since the late 19th century of basic internal forces such as industrialization, nationalism, socialism, and fascism in the U.S., Europe, and Asia, and the manner in which these forces have led to both conflict and co-operation between these geographical areas.
- c 325-3 RACE AND MINORITY RELATIONS. An analytical study of the status of racial, ethnic, and religious minorities in the United States.
- 331-3 THE AMERICAN EDUCATIONAL SYSTEMS. A comprehensive study of the nature and purpose of Education in the United States and of how our schools are organized, financed, and conducted.
- c \*\*333-3 SEMINAR IN PROBLEMS OF WAR AND PEACE. Interdisciplinary topics in the general area of war and peace.
- c 341-3 MARRIAGE. An examination of marriage in various societies with an emphasis on the origins, changes, and present status of dating, courtship and marriage in the United States.
- c \*343-3 GEOGRAPHICAL BASIS OF INTERNATIONAL CONFLICTS. Examination of geographical factors of world political relations and conflicts during the inter-war and post-war periods.
- c 345-3 INTRODUCTION TO AMERICAN FOREIGN POLICY. An investigation of the means by which American foreign policy is formulated and executed and an analysis of the most significant challenges confronting America abroad.

\*Problems of Peace and War is a sequence of four separate courses (\*),

\*\*any one of which leads to an integrated seminar (\*\*).

- E 351-6 (3,3) GEOGRAPHIC AND CULTURAL BACKGROUND OF DEVELOPING AFRICA. (a) The relation of geography to the culture of Africa, with emphasis on the place cultural and geographic factors have in the developing nations of Africa, (b) An introduction to the many diverse cultures of Africa from the Egyptian civilization to the Bushman hunters. Either part may be taken separately.
- E 354-3 INDUSTRIAL ECONOMIC GEOGRAPHY. Geographic resource relationship to the economic life of our nation, distribution of resources, industrial production, and the transportation of industrial products.
- E 359-6 (3,3) SOCIETY AND STATE: SOCIAL AND POLITICAL THEORIES. Historical survey of political and social theories from ancient times to the 20th century. The formation of concepts are traced from their origins in the early civilizations to their development in Western thought. Critical analyses of representative thinkers. Either part may be taken separately.
- C 369-3 THE CONTEMPORARY FAR EAST. A study of relations between wartime and peacetime economies with specific references to government controls, impact of military expenditures in "hot" and "cold" wars, and the re-allocation of resources.
- C 385-3 CONTEMPORARY POLITICAL "ISMS." An advanced survey of recent political systems: Nationalism, Socialism, Communism, Liberal Democracy, Christian Socialism, Corporatism, Fascism.
- C 390-3 INTRODUCTION TO COMPARATIVE GOVERNMENT. A comparative survey of the organization and operation of politics in modern states.
- C 392-3 INTRODUCTION TO LATIN AMERICAN GOVERNMENT AND POLITICS. A general introduction to Latin American government on the institutionalized political expression of Latin American civilization and culture. Does not require a reading knowledge of Spanish or Portuguese.

#### GSC MAN'S INSIGHTS AND APPRECIATIONS

- 100-3 MUSIC UNDERSTANDING. Criteria for discriminative music listening as an asset to general culture. An examination of basic materials, techniques, and forms.
- 101-3 ART APPRECIATION. Study of significant achievements in art related to Western culture and contemporary life.
- C 102-3 PROBLEMS OF MORAL DECISION. An introduction to contemporary and perennial problems of personal and social morality, and to methods proposed for their resolution by great thinkers of past and present.
- C 103-3 MASTERPIECES OF LITERATURE. Reading in English, literary masterpieces of the Western world, to increase the student's competence in reading imaginative literature, to acquaint him with the great ideas and values of the best literature, and to train him to deal with literary materials in his writing.
- C 110-9 (3,3,3) AN INTRODUCTION TO WESTERN HUMANITIES. A selection of great works expressing the aesthetic, moral, and religious values of Western man. Sets forth the critical vocabulary of six humanistic disciplines: art, music, philosophy, design, literature, and theater; provides some direct experience of each one; and calls attention to interrelations among the disciplines and between the humanities and other aspects of Western culture. Must be taken in a,b,c sequence.

- E 151-3 INTRODUCTION TO POETRY. Introduction to the enjoyment of poetry. Practice in techniques of critical reading and writing.
- E 152-3 LOGIC. Study and practice in the analysis of verbal traps, relations between statements, deductive arguments, and inductive inferences.
- C 200-3. THE ORAL INTERPRETATION OF LITERATURE. Students participate in a dynamic analysis of literature stressing the creative role of the oral interpreter. Emphasis is on individual problems in understanding and communicating significant literary works.
- C 201-3 INTRODUCTION TO DRAMA. Not a history of the drama. The class will read about a dozen plays, modern and ancient, and consider how various dramatic conventions and devices are used to give form and meaning to human experience.
- C 202-3 INTRODUCTION TO POETRY. A variety of poems, from the simpler to the more complex, are read and discussed. Emphasis is upon enjoyment and upon heightened insight into human experience. Devices of artistic form, such as imagery and meter, are discussed as they are involved with the substance they express, human actions, feelings, and attitudes, including the poet's satisfaction in giving artistic form to his material.
- 203-3 DRAMA AND THE ARTS OF THE THEATER. The study of drama as a literary type; the relationship with the theater audience, the role of the theater in Western culture and its relation to other creative arts.
- C 204-3 MEANING IN THE VISUAL ARTS. A historically-oriented conception of the relationship between art and civilization which seeps through the examination of relevant examples of the visual arts to develop awareness of the great complexities of artistic motivation, the development of art styles, and the interaction between the artist and society.
- C 205-3 THE CONTEMPORARY ENVIRONMENT. A lecture-laboratory course designed to create a picture plane whereon a student may see some principles underlying architecture, visual communication, and other products of his physical and cultural environment.
- C 206-3 FOUNDATION OF MUSIC. Emphasis on the historical sequence of musical development from primitive ages through the contemporary scene. An introduction to the materials of music, including application of basic skills to keyboard performance, is provided in studio sections. Two hours of lecture, one hour of studio each week.
- C 207-3 PHILOSOPHY OF THE BEAUTIFUL. A study of the structure and importance of the beautiful in nature, society, personality, and the arts.
- C 208-3 LOGIC AND MEANING. A critical study of expressive, informative, and other modes of discourse, with emphasis on their roles in rational process.
- C 209-3 MODERN LITERATURE: FORM AND IDEA. Designed to give the student an interest in and an understanding of the forms, themes, and values of modern American, British; and Continental literature.
- C 210-3 INTRODUCTION TO FICTION. A study of the chief techniques of fiction and of some of the acceptable criteria for judging fiction. Readings in some of the masterpieces among American and European short story and novel writers.
- C 211-9 (3,3,3) AN INTRODUCTION TO ORIENTAL HUMANITIES. The literature, music, drama, visual art, and definitive cultural motifs of three great Asian traditions. (a) focuses on India, (b) on China, and (c) on Japan. May be taken in any sequence.



- E 251-9 (3,3,3) LITERARY AND PHILOSOPHICAL MASTERPIECES. An introduction to great works of the Western heritage. The Hebraic, Greek, and Latin traditions; beginning with Genesis and concluding with Augustine. May be taken in a,b,c sequence or by combining a,b or a,c with GSC 203 or 255.
- E 255-3 MUSIC IN HISTORY. An introduction to music history within history in general. Prerequisite: 251b or 251c.
- C 301-3. INTRODUCTION TO SEMANTICS. The nature of language, the emotional and intellectual content; breaking down linguistic naiveté and developing a consciousness of the motives in the rise of language.
- C 305-3 CONTEMPORARY FRENCH DRAMA. Study of French contemporary drama since 1930, to be read in translation, with emphasis on the *pièce à thèse*, the Theatre libre, symbolist drama, and the drama of modern social problems.
- C 310-3 RELIGIOUS FOUNDATIONS OF WESTERN CIVILIZATION. Examination of the historical backgrounds and contemporary expressions of Jewish, Catholic, and Protestant thought.
- C 311-3 PHILOSOPHIES AND RELIGIONS OF INDIA. Historical and comparative study of Hindu, Jain, and early Buddhist thought and practice.
- C 312-3 PHILOSOPHIES AND RELIGIONS OF THE FAR EAST. Historical study of the religious and secular thought of China and Japan: Confucianism, Taoism, and the varieties of Mahayana Buddhism.
- C 313-3 FOLKLORE. The types of folklore, with extensive reading in American and European folklore: practice in collecting and classifying, and in the use of Thompson's index, etc.
- C 318-3 MODERN BRITISH LITERATURE. Contemporary British Fiction and Drama (Summer only—Oxford program).
- C 320-3 GREEK LITERATURE IN TRANSLATION. A study of the masterpieces of Greek literature in translation.
- C 321-3 REVOLUTION AND ROMANTICISM. English literature of the late 18th and early 19th century in relation to the social and philosophical crises of times with animadversions on the relevance to our own times.
- C 330-3 CLASSICAL MYTHOLOGY. Study of the classical myths and their literary value.
- C 331-3 LATIN LITERATURE IN TRANSLATION. Discussion of Latin literary works and their influence on later literature.
- 335-3 STUDIES IN SHORT FICTION. The development of the short story as an artistic expression, its techniques, and its versatility, from the early 19th century to the present time.
- C 340-3 MODERN ART A: THE ART OF THE 19TH CENTURY. The principal movements of the 19th century: neo-classicism, romanticism, realism, impressionism, and post-impressionism. The styles of David, Ingres, Delacroix, Corot, Courbet, Manet, Degas, Monet, Renoir, Seurat, Van Gogh, and Gauguin receive emphasis.
- C 341-3 MODERN ART B: ART OF THE EARLY 20TH CENTURY 1890-1925. A study of modern art as manifest in Fauvism, cubism, and expressionism. Emphasis on the artistic development of Cezanne, Matisse, Rouault, Picasso, Braque, Gris, Leger, Kirchner, and Kandinsky.
- C 342-3 MODERN ART C: ART OF THE MID 20TH CENTURY 1920-1945. Abstraction, later German expressionism, the school of Paris, and surrealism. Special attention to the work of de Chirico, Klee, Miro, Beckman, Chagall, Kokashka, Soutine, and late Matisse, Picasso, Braque, and Leger.

- c 345-3 WORLD LITERATURE. A study of the outstanding works representative of various types and of varying cultures and eras, showing the fundamentally unchanging nature and spirit of man.
- c 348-3 PHOTOGRAPHY AND CINEMA. The basic technology of photography and cinema. The development of photography and cinema as art forms and their uses in education and mass communications. Criteria for the evaluation and appreciation of photography and cinema.
- E 351-12 (4,4,4) HISTORY OF WORLD ART. A study of painting, sculpture, and architecture from early to modern times, emphasizing the social and intellectual content of the major periods and significant styles. Prerequisite: 9 hours in GSC-2.
- E 354-6 (3,3) HISTORY OF THE THEATER. A study of (a) primitive, Greek, medieval, and Italian Renaissance theater, (b) the theater since the Italian Renaissance.
- 357-9 (3,3,3) MUSIC HISTORY AND LITERATURE. Integrates the development of musical thought and literature from Greek and Roman periods through the Renaissance and continuing through the twentieth century. Prerequisite: 255 for Edwardsville students.
- E 360-6 (3,3) ARTS AND IDEALS IN FAMOUS CITIES. A presentation of the chief art styles and aesthetic ideals of Western culture as they flowered in seven famous cities. A close study of selected masterworks of architecture, fine art, music, literature, and philosophy of art as expressions of men who shaped the physical faces and cultural lives of their cities. (a) 5th-century B.C. Athens, 13th-century Chartres, late 15th-century Florence, and early 16th-century Rome. (b) 18th-century London, 19th-century Paris, 20th-century New York.
- E 363-6 (3,3) PHILOSOPHY OF SCIENCE. (a) The logic of scientific explanation illustrated by analysis of physical concepts and theories. (b) The logic of explanation in the biological and behavioral sciences and their implications for the individual and society. May be taken in either a,b or b,a sequence, but a,b is preferable.
- c 365-3 SHAKESPEARE. The major works of William Shakespeare.
- c 381-3 GREEK PHILOSOPHY. The thought of the pre-Socratics, Plato, and Aristotle.
- c 382-3 GRAECO-ROMAN & MEDIEVAL PHILOSOPHIES. Epicureanism, Stoicism, and medieval Christian thought.
- c 383-3 EARLY MODERN PHILOSOPHY. Bacon, Hobbes, Descartes, Leibniz, Spinoza, and the British empiricists in the context of the scientific and general social outlook of the period.
- c 386-3 EARLY AMERICAN PHILOSOPHY. From the colonial period to the Civil War.
- c 387-3 RECENT AMERICAN PHILOSOPHY. Thought of Howison, Royce, Peirce, James, Dewey, and others.

#### GSD ORGANIZATION AND COMMUNICATION OF IDEAS

- 101-6 (3,3) ENGLISH COMPOSITION. Basic rhetorical principles in expository writing. Must be taken in a,b sequence. Prerequisite: GSD 100 or satisfactory score on placement test.
- 103-3 ORAL COMMUNICATION OF IDEAS. The basic principles and techniques of oral communication as applied to everyday speech activities.
- c 108-9 (3,3,3) FUNDAMENTALS OF MATHEMATICS. An introduction to

- mathematical concepts and reasoning presented at a level appropriate for university students who have had high school courses in intermediate algebra and plane geometry. Topics include the number system, college algebra, analytic geometry, probability and statistics. Must be taken in a,b,c sequence.
- c 110-3 ECONOMIC AND BUSINESS STATISTICS. Elementary statistical concepts including the nature of statistical methods, sampling, probability, frequency distributions, estimations, and hypothesis. May be taken as part c of the 108 sequence by economics and business students.
- E 112-9 (3,3,3) INTRODUCTION TO MATHEMATICS. Logical rules of deduction, the real number system, mathematical structures. Must be taken in a,b,c sequence. Prerequisite: Mathematics 100 or satisfactory score on placement test.
- 114-9 (3,3,3) COLLEGE ALGEBRA AND TRIGONOMETRY. For students who have had intermediate algebra and plane geometry in high school. Must be taken in a,b,c sequence, or b,c may be taken concurrently.
- E 114d-3 STATISTICS. Descriptive statistics, probability distributions, sampling, problems of statistical inference, regression and correlation. Prerequisite: 114b. May be taken in lieu of 114c.
- c 120-9 (3,3,3) ELEMENTARY CHINESE.<sup>1</sup> Emphasis on development of reading skills. Must be taken in a,b,c sequence.
- 123-9 (3,3,3) ELEMENTARY FRENCH. Open to students who have had no previous work in French. Must be taken in a,b,c sequence.
- 126-9 (3,3,3) ELEMENTARY GERMAN. Open to students who have had no previous work in German. Must be taken in a,b,c sequence.
- c 130-9 (3,3,3) ELEMENTARY GREEK. (a) Grammar is emphasized, (b,c) reading of a text, usually the New Testament. Must be taken in a,b,c sequence.
- c 133-9 (3,3,3) ELEMENTARY LATIN. Open to students who have had no previous work in Latin. Must be taken in a,b,c sequence.
- 136-9 (3,3,3) ELEMENTARY RUSSIAN. No previous knowledge of Russian required. Must be taken in a,b,c sequence.
- 140-9 (3,3,3) ELEMENTARY SPANISH. Open to students who have had no previous work in Spanish. Must be taken in a,b,c sequence.
- E 144-9 (3,3,3) ELEMENTARY ITALIAN. Open to students who have had no previous work in Italian. Must be taken in a,b,c sequence.

#### GSE HEALTH AND PHYSICAL DEVELOPMENT

Courses numbered 100-104 are for men; 110-114 are for women.

100-3 (1,1,1) RESTRICTED PHYSICAL EDUCATION (Men).

101-1 SWIMMING (Men). (a) Beginning swimming, (b) Intermediate swimming, (c) Diving.

102-1 PHYSICAL FITNESS (Men).

NOTES pertaining to GSD 120 through 142:

<sup>1</sup> Sections of conversation for 1 hour of credit are available with each of these languages, but on an elective basis. See the College of Liberal Arts and Sciences bulletin.

<sup>2</sup> Students having had high school language training should see the Department of Foreign Languages for placement.

<sup>3</sup> The first two courses in any sequence do not count toward the 192 hours required for graduation unless the third course is also completed.

- 103-1 DANCE (Men). (a) Square, (b) Folk, (c) Social.
- 104-1 INDIVIDUAL AND TEAM ACTIVITY (Men). (a) Archery, (b) Badminton, (c) Basketball, (d) Bowling, (e) Golf, (f) Soccer, (g) Speedball, (h) Tennis, (i) Volleyball, (j) Softball, (k) Horseback riding, (m) Fencing, (n) Cross country, (p) Ice Skating, (q) Fly and bait casting, (r) Stunts and tumbling, (s) Gymnastics, (t) Touch football, (u) Wrestling, (v) Personal defense.
- 110-3 (1,1,1) RESTRICTED PHYSICAL EDUCATION (Women).
- 111-1 SWIMMING (Women). (a) Beginning Swimming, (b) Intermediate Swimming, (c) Diving.
- 112-1 BASIC BODY MOVEMENT (Women).
- 113-1 DANCE (Women). (a) Square, (b) Folk, (c) Social, (d) Beginning Contemporary, (e) Intermediate Contemporary.
- 114-1 INDIVIDUAL AND TEAM ACTIVITY (Women). (a) Archery, (b) Badminton, (c) Basketball, (d) Bowling, (e) Golf, (f) Soccer, (g) Speedball, (h) Tennis, (i) Volley Ball, (j) Softball, (k) Horseback riding, (m) Fencing, (n) Hockey.
- 201-3 HEALTHFUL LIVING. Personal and community health. Presents scientific health information as a basis for helping the student develop wholesome health attitudes and practices.

### CURRICULUM GUIDES

This bulletin contains four-year curriculum guides showing the distribution of General Studies courses and courses for particular fields of interest. A curriculum guide is provided for the student of undecided interest. The student who follows one of these curriculum guides may fill out and submit his schedule to the sectioning center of the Registrar's Office. If the student deviates from the curriculum guide he must then see a general adviser. In the curriculum guides, most General Studies courses are arranged as one-year sequences. The student is therefore encouraged to think of his registrations in terms of year-long increments in the various areas.

If a curriculum is called "preprofessional" it does not lead to a degree at Southern. Students enrolled in such curricula transfer to professional schools after a year or more.

These guides show how the various curricula may be arranged by quarter and year. However, they are intended as guides *only* and should be varied to meet individual needs. Substitutions are possible, and often necessary.

### WAIVERS

Some of these guides indicate that the student should waive a certain General Studies area. The area indicated is the one most commonly waived; but each student should select his waiver, if any, in consultation with his adviser.

**Carbondale Campus**

UNDECIDED MAJOR

ALL ACADEMIC UNITS AT CARBONDALE

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 .....	3	GSA-1 .....	3	GSA-1 .....	3
GSB-1 .....	3	GSB-1 .....	3	GSB-1 .....	3
GSC-1 .....	3	GSC-1 .....	3	GSC-1 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
Elective .....	3	Elective .....	3	Elective .....	3
	<u>16</u>		<u>16</u>		<u>17</u>

*Second Year*

GSA 201a .....	3	GSA 201b .....	3	GSA 201c .....	3
GSB-2 .....	3	GSB-2 .....	3	GSB-2 .....	3
GSC-2 .....	3	GSC-2 .....	3	GSC-2 .....	3
GSD Math or FL .....	3	GSD Math or FL .....	3	GSD Math or FL .....	3
GSE 201 .....	3	Elective .....	3	Elective .....	3
USAF .....	1	USAF .....	1	USAF .....	0
	<u>16</u>		<u>16</u>		<u>15</u>

ACCOUNTING

SCHOOL OF BUSINESS

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 .....	3	GSA-1 .....	3	GSA-1 .....	3
GSB-1 .....	3	GSB-1 .....	3	GSB-1 .....	3
GSC-1 .....	3	GSC-1 .....	3	GSC-1 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSD 108a or 114a .....	3	GSD 108b or 114b .....	3	GSD 110 .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
	<u>16</u>		<u>16</u>		<u>17</u>

*Second Year*

GSA-2 .....	3	GSA-2 .....	3	GSA-2 .....	3
GSB 211a .....	3	GSB 211b .....	3	GSB 211c .....	3
GSC-2 .....	3	GSC-2 .....	3	GSC-2 .....	3
GSE 201 .....	3	Econ 214 .....	3	Econ 215 .....	3
USAF .....	1	USAF .....	1	USAF .....	0
Acct 251a .....	4	Acct 251b .....	4	Acct 251c .....	4
	<u>17</u>		<u>17</u>		<u>16</u>

*Third and Fourth Years, Not Arranged by Quarter*

GSA-3 .....	6	Acct 331, 341, 351abc, 356, & 442 .....	29	Mgt 320 & 340 .....	9
GSB-311 .....	3	Acct 355, 415, 432, 458, 459, or 461 .....	3-4	Mgt 371, & 372 or 373 ..	8
GSB-3 .....	3	Econ 315 .....	4	Mgt 481 .....	3
GSC-3 .....	6			Mktg 225 & 325 .....	7
				Electives .....	11

AGRICULTURAL EDUCATION, VOCATIONAL

SCHOOL OF AGRICULTURE

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a <sup>1</sup> .....	3	GSA 101b .....	3	GSA 101c .....	3
GSB-1 (waive) .....	0	GSB-1 (waive) .....	0	GSB-1 (waive) .....	0
GSC 100 or 101 .....	3	GSC 102 .....	3	GSC 103 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSD 108a or 114a .....	3	GSD 108b or 114b .....	3	GSD 108c or 114c .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
AgI 114 .....	4	PII 103 .....	4	AnI 105 .....	4
	<u>17</u>		<u>17</u>		<u>18</u>

*Second Year*

GSA 201a .....	3	GSA 201b .....	3	GSA 201c .....	3
GSB 201a .....	3	GSB 201c .....	3	GSB 201b .....	3
GSB 211a .....	3	GSB 211b .....	3	GSB 211c .....	3
GSC-2 .....	3			GSC-2 .....	3
USAF .....	1	USAF .....	1	USAF .....	0
AnI 315 .....	4	Ag elective .....	4	PII 309 .....	5
	<u>17</u>	AgI 210 <sup>2</sup> .....	2		<u>17</u>
			<u>16</u>		<u>17</u>

*Third Year*

GSE 201 .....	3	GSB 331 .....	3	GSA-3 .....	3
AgI 375 .....	3	GSC-2 .....	3	GSB 314 <sup>6</sup> or other	
AgI 350 .....	5	AgI 373 <sup>3</sup> .....	5	GSB-3 .....	3
Eng 391 <sup>5</sup> .....	3	Ag elective .....	3	AgI 215 <sup>4</sup> .....	4
Guid 305 .....	4	IM 417 .....	4	PII 264 or For 360 .....	4
	<u>18</u>		<u>18</u>	SEd 310 .....	4
					<u>18</u>

*Fourth Year*

		GSA-3 .....	3	GSC-3 .....	3
		GSC-3 .....	3	Ag elective .....	4
AgI 307 <sup>7</sup> .....	2	AgI (Econ elec) .....	3-4	Ag elective .....	4
AgI 309 .....	5	Ag elective .....	4	Ag elective .....	3
AgI 311 .....	3	SEd 440 .....	3	Guid 422 .....	3
AgI 312 <sup>8</sup> .....	8				<u>3</u>
	<u>18</u>		<u>16-17</u>		<u>17</u>

<sup>1</sup> If noncredit math 106 is required, delay GSA 101 until winter.

<sup>2</sup> Taught winter only.

<sup>3</sup> Taught winter and alternate summers.

<sup>4</sup> Taught spring and alternate summers.

<sup>5</sup> May be omitted through proficiency exam.

<sup>6</sup> Will satisfy three hours of Ag Economics (Technical Ag)

<sup>7</sup> Taken in summer prior to student teaching.

<sup>8</sup> Student teaching in either fall or winter quarter.

## AGRICULTURAL INDUSTRIES (AGRICULTURAL ECONOMICS)

## SCHOOL OF AGRICULTURE

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a <sup>1</sup> .....	3	GSA 101b .....	3	GSA 101c .....	3
GSB-1 (waive) .....	0	GSB-1 (waive) .....	0	GSB-1 (waive) .....	0
GSC 100 or 101 .....	3	GSC 102 .....	3	GSC 103 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSD 108a or 114a .....	3	GSD 108b or 114b .....	3	GSD 110 .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
AgI 114 .....	4	AnI 105 or 231 .....	4	PII 103 .....	4
	<u>17</u>		<u>17</u>		<u>18</u>

*Second Year*

GSA 201a .....	3	GSA 201b .....	3	GSA 201c or 200 .....	3
GSB 201a .....	3	GSB 201c .....	3	GSB 201b .....	3
GSB 211a .....	3	GSB 211b .....	3	GSB 211c .....	3
GSE 201 .....	3	Econ 214 .....	3	Econ 215 .....	3
USAF .....	1	USAF .....	1	USAF .....	0
AnI 315 .....	4	PII 309 .....	5	AgI 350 .....	5
	<u>17</u>		<u>18</u>		<u>17</u>

*Third Year*

GSB 314 .....	3	GSA-3 .....	3	GSA-3 .....	3
GSC 209, 202, or 203 .....	3	GSB-3 .....	3	GSC 208 .....	3
AgI 354 .....	4	GSC 204, 205, or 206 .....	3	Ag Elective .....	4
Electives .....	3-4	Ag Elective .....	4	Elective .....	5-6
Acct 250 .....	4	Elective .....	4		
	<u>17-18</u>		<u>17</u>		<u>15-16</u>

*Fourth Year*

GSC-3 .....	3	GSC-3 .....	3	AgI elective .....	4
AgI 456 .....	3	AgI elective .....	4	Ag elective .....	4
Ag elective .....	4	Electives .....	8	Electives .....	8
Electives .....	6				
	<u>16</u>		<u>15</u>		<u>16</u>

300-level GS courses and electives are to be selected in consultation with departmental counselors.

<sup>1</sup> If noncredit Math 106 is required, delay GSA 101 until winter.

## AGRICULTURAL INDUSTRIES (AGRICULTURAL ENGINEERING SERVICES)

## SCHOOL OF AGRICULTURE

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a <sup>1</sup> .....	3	GSA 101b .....	3	GSA 101c .....	3
GSB-1 (waive) .....	0	GSB-1 (waive) .....	0	GSB-1 (waive) .....	0
		GSB 211a .....	3	GSB 211b .....	3
GSC 100 or 101 .....	3				
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSD 108a or 114a .....	3	GSD 108b or 114b .....	3	GSD 108c or 114c .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
AgI 114 .....	4	PII 103 .....	4	AnI 105 .....	4
	<u>17</u>		<u>17</u>		<u>18</u>

*Second Year*

GSA 201a ..... 3	GSA 201b ..... 3	GSA 201c ..... 3
GSB 211c ..... 3		
GSC 102 ..... 3	GSC 103 ..... 3	GSC-2 ..... 3
USAF ..... 1	USAF ..... 1	USAF ..... 0
AgI 375 ..... 3	AnI 315 ..... 4	GSE 201 ..... 3
AgI 354 ..... 4	AgI 214 ..... 2	AgI 303 ..... 4
	Elective ..... 4	Mktg 337 ..... 4
17	17	17

*Third Year*

GSA-3 ..... 3	GSA-3 ..... 3	GSB-3 ..... 3
GSB 201a ..... 3	GSB 201c ..... 3	GSB 201b ..... 3
GSC-2 ..... 3	GSC-2 ..... 3	PII 309 ..... 5
AgI 306 ..... 2-5	AgI 373 ..... 5	Ag elective ..... 4
Ag electives ..... 3-6	Business elective ..... 4	Business elective ..... 3
14-20	18	18

*Fourth Year*

GSB-3 ..... 3	GSC-3 ..... 3	Ag elective ..... 7
GSC-3 ..... 3	AgI 374 or 378 ..... 4	Electives ..... 8
AgI 378 or 473 ..... 4	Electives ..... 8	
Business electives ..... 6		
16	15	15

300-level GS courses and electives are to be selected in consultation with departmental counselors.

<sup>1</sup>If noncredit 106 Math is required, delay GSA 101 until winter.

AGRICULTURE, GENERAL

SCHOOL OF AGRICULTURE

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a <sup>1</sup> .....	3	GSA 101b .....	3	GSA 101c .....	3
GSC 100 or 101 .....	3	GSC 102 .....	3	GSC 103 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSD Math <sup>1</sup> .....	3	GSD Math .....	3	GSD Math .....	3
GSE PE .....	1	GSE PE .....	1		
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
Agriculture <sup>2</sup> .....	4	Agriculture <sup>2</sup> .....	4	Agriculture <sup>2</sup> .....	4
	17		17		17

*Second Year*

GSA-2 ..... 3	GSA-2 ..... 3	GSA-2 ..... 3
GSB-1 or 201a <sup>3</sup> ..... 3	GSB-1 or 201c <sup>3</sup> ..... 3	GSB-1 or 201b <sup>3</sup> ..... 3
GSB 211a ..... 3	GSB 211b ..... 3	GSB 211c ..... 3
GSC-2 ..... 3	GSC-2 ..... 3	GSC-2 ..... 3
		GSE PE ..... 1
USAF ..... 1	USAF ..... 1	USAF ..... 0
Agriculture ..... 4-8	Agriculture ..... 4-8	Agriculture ..... 4-8
14-18	14-18	14-18

*Third Year*

GSA-3 ..... 3	GSA-3 ..... 3	GSE 201 ..... 3
GSB-3 ..... 3	GSB-3 ..... 3	GSC-3 ..... 3
GSC-3 ..... 3		
Agriculture sciences and electives <sup>4</sup> ..... 5-9	Agriculture sciences and electives <sup>4</sup> ..... 8-12	Agriculture sciences and electives <sup>4</sup> ..... 8-12
14-18	14-18	14-18



*Fourth Year*

Agriculture <sup>4</sup> and electives	Agriculture <sup>4</sup> and electives	Agriculture <sup>4</sup> and electives
14-18	14-18	14-18

<sup>1</sup>If noncredit Math 106 is required, delay GSA 101 until winter. A student with a background and interest in the sciences and with an A.C.T. score of 75 in the Natural Sciences is recommended to:

- a) take GSD 114,
- b) substitute Chem 111a for GSA 101b, or
- c) after completion of GSA 101b with a grade of B or better, take Chem 111b and 305.

<sup>2</sup>At least one of the following courses in agriculture is to be selected from a different department each quarter: AnI 105, 125, 231; AgI 114; PII 103.

<sup>3</sup>Take GSB-1 or waive GSB-1 and take GSB 201abc; suggest no waiver if contemplating change of major to plant or animal industries.

<sup>4</sup>Consult School of Agriculture bulletin and appropriate counselors for selection of courses.

ANIMAL INDUSTRIES

SCHOOL OF AGRICULTURE

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b <sup>3</sup>	3	GSA 101c	3
GSC 100 or 101	3	GSC 102	3	GSC 103	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD Math <sup>1</sup>	3	GSD Math	3	GSD Math	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
AnI 105 or 231 <sup>2</sup>	4	AnI 125 or 231 or AgI 114 <sup>2</sup>	4	AnI 125 or 231 or PII 103 <sup>2</sup>	4
	17		17		18

*Second Year*

GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 211a	3	GSB 211b	3	GSB 211c	3
GSB 101c	3	GSB 101a	3	GSB 101b	3
GSC 209, 202 or 203	3	GSC 204, 205 or 206	3	GSC 207, 208, 201 or 210	3
USAF	1	USAF	1	USAF	0
AnI 332 or Ag elective	4	AnI 315 or Ag elective	4	Ag elective	4
	17		17		16

*Third Year*

GSA-3	3	GSA-3	3	GSC-3	3
GSB-3	3	GSB-3	3	AnI or Ag elective <sup>4</sup>	14
GSE 201	3	GSC-3	3		
AnI or Ag elective <sup>4</sup>	8-9	AnI or Ag elective <sup>4</sup>	8-9		
	17-18		17-18		17

*Fourth Year*

Agriculture and other electives	Agriculture and other electives	Agriculture and other electives
14-18	14-18	14-18

<sup>1</sup>If noncredit Math 106 is required, delay GSA 101 until winter. Students with high enough mathematics scores should take GSD 114.

<sup>2</sup>Two of AnI 105, 125, and 231 are required. AgI 114 and PII 103 are also required.

<sup>3</sup>Chem 111 may substitute for GSA 101b if student has grade of "B" or better in GSA 101a. It is then possible to take Chem 112 and 305 rather than GSA 101c. This is recommended for those planning to pursue graduate study.

<sup>4</sup>A total of 48 hours in Animal Industries required.

ANTHROPOLOGY

COLLEGE OF LIBERAL ARTS AND SCIENCES

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 .....	3	GSA-1 .....	3	GSA-1 .....	3
GSB-1 .....	3	GSB-1 .....	3	GSB-1 .....	3
GSC-1 .....	3	GSC-1 .....	3	GSC-1 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSE PE .....	1	GSE .....	1	GSE .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
	<u>16</u>		<u>16</u>		<u>17</u>

*Second Year*

GSA 201a .....	3	GSA 201b .....	3	GSA 201c .....	3
GSB 201a .....	3	GSB 201b .....	3	GSB 201c .....	3
GSC-2 .....	3	GSC-2 .....	3	GSC-2 .....	3
GSD FL .....	3	GSD FL .....	3	GSD FL .....	3
GSE 201 .....	3	Elective .....	3	Elective .....	3
USAF .....	1	USAF .....	1	USAF .....	0
	<u>16</u>		<u>16</u>		<u>15</u>

*Third Year*

GSA-3 .....	3	GSA 313 .....	3	* GSC-3 .....	3
GSB 303 .....	3	GSB 312 .....	3	* GSC-3 .....	3
Anth 300 .....	3	Anth 303 .....	3	Anth 304 .....	3
Anth 404 .....	4	Anth 400 .....	4	Anth 409 .....	4
Elective .....	3	Elective .....	3	Elective .....	3
	<u>16</u>		<u>16</u>		<u>16</u>

\* Any two of GSC 311, GSC 312, GSC 382, GSC 383

*Third Year*

Anth 306a (1964-5) or 305a (1965-6) .....	3	Anth 306b (1964-5) or 305b (1965-6) .....	3	Anth 306c (1964-5) or 305c (1965-6) .....	3
Anth 483 .....	3-18	Anth 483 .....	3-18	Anth 483 .....	3-18
Elective .....	0-12	Elective .....	0-12	Elective .....	0-12
	<u>18</u>		<u>18</u>		<u>18</u>

*Fourth Year*

Anth 401 .....	4	Anth 405 .....	4	Anth 408 .....	4
Electives .....	14	Electives .....	14	Electives .....	14

The electives include 14 hours of electives in anthropology.

APPLIED SCIENCE

SCHOOL OF TECHNOLOGY

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a (waive) .....	0	GSA 101b (waive) .....	0	GSA 101c (waive) .....	0
GSB 101b .....	3	GSB 101c .....	3	GSB 101a .....	3
GSC-1 .....	3	GSC-1 .....	3	GSC-1 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
USAF 100a .....	0	USAF 100a .....	0	USAF 100a .....	0
				USAF 110 .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
Chem 111a .....	5	Chem 111b .....	5	Chem 111c .....	5
Math 150a <sup>1</sup> .....	5	Math 150b .....	5	Math 252a .....	5
	<u>19</u>		<u>19</u>		<u>20</u>

<i>Second Year</i>					
GSA 201a	3	GSA 201b	3	GSA 201c or 200	3
GSB-2	3	GSB-2	3	GSB-2	3
USAF 200a	0	GSE PE	1	GSE PE	1
USAF 210	1	USAF 200a	0	USAF 200a	0
Phys 211	5	USAF 220	1	Phys 212	5
Math 252b	4	Phys 213	5	Math 305b	3
Engr 260a	3	Math 305a	3	Engr 260c	3
	19	Engr 260b	3		18
			19		
<i>Third Year</i>					
GSC-2	3	GSC-2	3	GSC-2	3
GSB-3	3	GSB-3	3	GSE 201	3
Engr 331a	4	Engr 331b	4	GSE PE	1
Engr 311a	3	Engr 311b	3	Engr 331c	4
Engr 300a	3	Engr 300b	3	Engr 311c	3
Elective	3	Elective	3	Electives	6
	19		19		20
<i>Fourth Year</i>					
GSC-3	3	GSA-3	3	GSA-3	3
ApS 450	4	GSC-3	3	Electives <sup>2</sup>	15
ApS 470	4	Electives <sup>2</sup>	13		
Engr 335a	3				
Electives <sup>2</sup>	6				
	20		19		18

<sup>1</sup>GSD 114-9 may be bypassed through waiver, advanced standing, or proficiency examination.

<sup>2</sup>Specific courses are needed to meet the elective area requirements. Guidance in the selection of the desired courses is provided by the School of Technology adviser.

## ART (ART EDUCATION)

## SCHOOL OF FINE ARTS

<i>First Year</i>			
FALL	HOURS	WINTER	HOURS
GSA-1	3	GSA-1	3
GSB-1	3	GSB-1	3
GSC-1 (waive)	0	GSC-1 (waive)	0
GSD 101a	3	GSD 101b	3
GSE-1	1	GSE-1	1
USAF	0	USAF	0
FC 000	0	FC 000	0
Art 100	6	Art 100	6
	16		16
<i>Second Year</i>			
GSA-2	3	GSA-2	3
GSB-2	3	GSB-2	3
USAF	1	USAF	1
Art 200	6	Art 200	6
Art 225	3	Art 226	3
	16		16
<i>Third Year</i>			
GSA-3	3	GSA-3	3
GSC-2	3	GSC-2 (art)	3
GSD-Math or FL	3	GSD-Math or FL	3
Art 306	3	Art 307	3
Art 302	4	Art 231	4
	16		16

SPRING	HOURS
GSA-1	3
GSB-1	3
GSC-1 (waive)	0
GSD 103	3
GSE-1	1
USAF	1
FC 000	0
Art 100	6
	17
GSA-2	3
GSB-2	3
GSE-2	3
USAF	0
Art 200	6
Art 227	3
	18
Art History	3
GSC-2	3
GSD-Math or FL	3
Art 308	3
Art 385	4
	16

*Fourth Year*

GSB-3 ..... 3	GSB 331 ..... 3	Student Teaching ..... 12
GSC-3 (art) ..... 3	GSC-3 (art) ..... 3	Secondary
SEd 310 ..... 4	Guidance 305 ..... 4	Education 440 ..... 4
IM 417 ..... 3	Guidance 422 ..... 3	
Art ..... 3		
16	13	16

ART (STUDIO OR CRAFTS)

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 ..... 3		GSA-1 ..... 3		GSA-1 ..... 3	
GSB-1 ..... 3		GSB-1 ..... 3		GSB-1 ..... 3	
GSC-1 (waive) ..... 0		GSC-1 (waive) ..... 0		GSC-1 (waive) ..... 0	
GSD-101a ..... 3		GSD-101b ..... 3		GSD-103 ..... 3	
GSE-1 ..... 1		GSE-1 ..... 1		GSE-1 ..... 1	
USAF ..... 0		USAF ..... 0		USAF ..... 1	
FC 000 ..... 0		FC 000 ..... 0		FC 000 ..... 0	
Art 100 ..... 6		Art 100 ..... 6		Art 100 ..... 6	
16		16		17	

SCHOOL OF FINE ARTS

*Second Year*

GSA-2 ..... 3	GSA-2 ..... 3	GSA-2 ..... 3
GSB-2 ..... 3	GSB-2 ..... 3	GSB-2 ..... 3
USAF ..... 1	USAF ..... 1	USAF ..... 0
Art 200 ..... 6	Art 200 ..... 6	Art 200 ..... 6
Art 225 ..... 3	Art 226 ..... 3	Art 227 ..... 3
16	16	18

*Third Year*

GSA-3 ..... 3	GSA-3 ..... 3	Art 345 ..... 3
GSC-2 ..... 3	GSC-2 (art) ..... 3	GSC-2 ..... 3
GSD Math or FL ..... 3	GSD Math or FL ..... 3	GSD Math or FL ..... 3
Art ..... 7	Art ..... 7	Art ..... 7
16	16	16

*Fourth Year*

GSB-3 ..... 3	GSB-3 ..... 3	
GSC-3 (art) ..... 3	GSC-3 (art) ..... 3	
Art ..... 10	Art ..... 10	Art ..... 16
16	16	16

BIOLOGICAL SCIENCES

COLLEGE OF EDUCATION OR LIBERAL ARTS AND SCIENCES

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 (waive) ..... 0		GSA-1 (waive) ..... 0		GSA-1 (waive) ..... 0	
GSA 201a <sup>1</sup> ..... 3		GSA 201b ..... 3		GSA 201c ..... 3	
GSB 101b ..... 3		GSB 101c ..... 3		GSB 101a ..... 3	
GSC 110a ..... 3		GSC 110b ..... 3		GSC 110c ..... 3	
GSD 101a ..... 3		GSD 101b ..... 3		GSD 103 ..... 3	
GSD 108a ..... 3		GSD 108b ..... 3		GSD 108c ..... 3	
GSE PE ..... 1		GSE PE ..... 1		GSE PE ..... 1	
FC 000 ..... 0		FC 000 ..... 0		FC 000 ..... 0	
USAF ..... 0		USAF ..... 0		USAF ..... 1	
16		16		17	

<i>Second Year</i>		
GSB 201a ..... 3	GSB 201c ..... 3	GSB 201b ..... 3
GSD FL ..... 3	GSD FL ..... 3	GSD FL ..... 3
Chem 111a ..... 5	Chem 111b ..... 5	Chem 350 or 111c 4 or 5
Zool 102 ..... 5	Zool 103 ..... 5	GSE 201 ..... 3
USAF ..... 1	USAF ..... 1	USAF ..... 0
		Electives ..... 5
17	17	18-19
<i>Third Year</i>		
GSC-2 ..... 3	GSA-3 ..... 3	GSA-3 ..... 3
Bot 300 ..... 3	GSB 331 ..... 3	GSC-2 ..... 3
Micr 301 ..... 5	GSC-2 ..... 3	American History ..... 3
Phsl 315 or 430 ..... 5	Bot 301 ..... 3	Bot 313 ..... 3
	Phsl 316 or 431 ..... 5	Micr 302 ..... 5
16	17	17
<i>Fourth Year</i>		
GSC-3 ..... 3	GSC-3 ..... 3	GSB-3 ..... 3
Electives ..... 13-14	Electives ..... 15-16	Electives ..... 13-16
16-17	18-19	16-19

\* Registration for GSA 201 in freshman year is based on the student's having waived, obtained advanced standing, or passed a proficiency examination in GSA 101a,b,c. Other students will take chemistry (now listed for sophomore year) or GSA 101a,b,c and Chemistry 101b,c during the freshman year and GSA 201a,b,c in the sophomore year. In the latter instance, Zool 102 and 103 will be taken during the junior year.

## BOTANY

## COLLEGE OF LIBERAL ARTS AND SCIENCES

<i>First Year</i>					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a (waive) ..... 0		GSB-1 ..... 3		GSB-1 ..... 3	
GSB-1 ..... 3		GSC-1 ..... 3		GSC-1 ..... 3	
GSD 101a ..... 3		GSD 101b ..... 3		GSD 103 ..... 3	
GSD 108a or 114a ..... 3		GSD 108b or 114b ..... 3		GSE 201 ..... 3	
GSE PE ..... 1		GSE PE ..... 1		GSE PE ..... 1	
FC 000 ..... 0		FC 000 ..... 0		FC 000 ..... 0	
USAF ..... 0		USAF ..... 0		USAF ..... 1	
GSA 101b ..... 3		GSA 101c ..... 3		Chem 350 ..... 4	
Chem 101b ..... 1		Chem 101c ..... 1			
17		17		18	
<i>Second Year</i>					
GSA 201a ..... 3		GSA 201b ..... 3		GSA 201c ..... 3	
GSB-2 ..... 3		GSB-2 ..... 3		GSB-2 ..... 3	
GSC-2 ..... 3		GSC-2 ..... 3		GSC-2 ..... 3	
GSD FL ..... 3		GSD FL ..... 3		GSD FL ..... 3	
USAF ..... 1		USAF ..... 1		USAF ..... 0	
Electives ..... 4-5		Electives ..... 4-5		Electives ..... 4-5	
17-18		17-18		16-17	
<i>Third Year</i>					
Bot 300 ..... 3		Bot 301 ..... 3		GSA 340 ..... 3	
Bot 315 ..... 4		Bot 320 ..... 5		Bot 313 ..... 3	
GS-3 <sup>1</sup> ..... 6		GS-3 <sup>1</sup> ..... 6		GS-3 <sup>1</sup> ..... 3	
Minor or Elective <sup>2</sup> .. 3-4		Minor or Elective <sup>2</sup> .. 3-4		Minor or Elective <sup>2</sup> .. 6-7	
16-17		17-18		15-16	

*Fourth Year*

Bot 341 ..... 3	Bot 400 ..... 4	Bot elective ..... 4-5
Bot elective ..... 4-5	Bot 449 ..... 3	Bot elective ..... 4-5
Minor ..... 4-5	Bot elective ..... 4-5	Minor ..... 4-5
Elective ..... 3-4	Minor ..... 4-5	Elective ..... 3
14-17	15-17	15-18

Recommended Electives: Physics, Chem 235-5, 306-4, 451-5, Math 220-4 or 410-4, 411-4, 412-4, Micr 301-5

<sup>1</sup> GS is GSA, 3 hrs; GSB, 6 hrs; GSC, 6 hrs in the junior year.

<sup>2</sup> Majors in the College of Education will have to use the elective for the education courses required.

**BUSINESS TEACHER EDUCATION**

**COLLEGE OF EDUCATION**

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a ..... 3		GSA 101b ..... 3		GSA 101c ..... 3	
GSB 101b ..... 3		GSB 101c ..... 3		GSB 101a ..... 3	
GSC-1 ..... 3		GSC-1 ..... 3		GSC-1 ..... 3	
GSD 101a ..... 3		GSD 101b ..... 3		GSD 103 ..... 3	
GSD 108a or 114a ..... 3		GSD 108b or 114b ..... 3		GSD 110 ..... 3	
GSE PE ..... 1		GSE PE ..... 1		GSE PE ..... 1	
FC 000 ..... 0		FC 000 ..... 0		FC 000 ..... 0	
USAF ..... 0		USAF ..... 0		USAF ..... 1	
	16		16		17

*Second Year*

GSA 201a ..... 3	GSA 201b ..... 3	GSA 201c ..... 3
GSB 211a ..... 3	GSB 211b ..... 3	GSB 211c ..... 3
GSC-2 ..... 3	GSC-2 ..... 3	GSC-2 ..... 3
GSB 201c ..... 3	Mgt 170 ..... 4	Guid 305 or Psyc 303 .. 4
GSE 201 ..... 3		
Sec 241 ..... 1	Hist 201a ..... 3	Hist 201b ..... 3
USAF ..... 0	USAF ..... 1	USAF ..... 0
	17	16

*Third Year*

GSA-3 ..... 3	GSA-3 ..... 3	GSC-3 ..... 3
GSB 311 ..... 3	GSB 331 ..... 3	SEd 310 ..... 4
Econ 214 or 215 ..... 3	GSC-3 ..... 3	Sec 341 ..... 4
Acct 251a ..... 4	Acct 251b ..... 4	Acct 251c ..... 4
Mktg 225 or 230 ..... 3 or 5	Sec 304 <sup>2</sup> ..... 3	
	16	15

*Fourth Year*

Sec 324a <sup>2</sup> ..... 4	Sec 324b ..... 4	Guid 420 ..... 4
Sec 403, 404, 405, 406, 408, or SEd 315 <sup>3</sup> 3 or 4	Sec 403, 404, 405, 406, 408 or SEd 315 <sup>3</sup> 3 or 4	SEd 351 ..... 12 or 16
Mgt 371 ..... 4	Mktg 331 or 337 ..... 4	
IM 417 ..... 4	Guid 422 ..... 3	
	SEd 440 ..... 3	
	17 or 18	16

<sup>1</sup> This four-year program includes preparation for teaching typewriting, shorthand, transcription, bookkeeping, general business, and office machines. Students wishing to teach other business subjects should consult with their academic adviser or a representative of the Department of Secretarial and Business Education.

<sup>2</sup> Students who have not had elementary courses in typewriting and/or shorthand will need to take one or more of the following courses before taking Sec 304 or 324a: Sec 201a,b,c, 221a,b,c.

<sup>3</sup> A total of two methods courses is required.

## CHEMISTRY (A.C.S. APPROVED) COLLEGE OF LIBERAL ARTS AND SCIENCES

				<i>F i r s t   Y e a r</i>			
FALL	HOURS	WINTER	HOURS	SPRING	HOURS	SUMMER	HOURS
GSA 101a		GSA 101b		GSA 101c			
(waive) .....	0	(waive) .....	0	(waive) .....	0	GSC-1 .....	3
GSB 101b .....	3	GSB 101c .....	3	GSB 101a .....	3		
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3		
GSD 114a .....	3	GSD 114b		Math 150a .....	3		
		and 114c .....	6				
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1		
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0		
USAF .....	0	USAF .....	0	USAF .....	1	Electives .....	+
Chem 111a .....	5	Chem 111b .....	5	Chem 111c .....	5	Chem 221 .....	3
	15		18		18		6+

*S e c o n d   Y e a r*

GSC-1 .....	3			GSC-1 .....	3
Chem 341a .....	4	Chem 341b .....	5	Chem 341c .....	5
Math 150b .....	5	Math 252a .....	5	Math 252b .....	4
Physics 206a (211a) ..	5	Physics 206b (211b) ..	5	Physics 206c (211c) ..	5
USAF .....	1	USAF .....	1	USAF .....	0
	18		16		17

*T h i r d   Y e a r*

GSB-2 .....	3	GSA 201a .....	3	GSA 201b .....	3
		GSC-2 .....	3	GSB-2 .....	3
GSD 126a .....	3	GSD 126b .....	3	GSC-2 .....	3
Math 305a .....	3	Math 305b .....	3	GSD 126c .....	3
Chem 461a .....	4	Chem 461b .....	4	Chem 461c .....	4
Chem 331 .....	3				
	16		16		16

*F o u r t h   Y e a r*

GSA 201c or 200 .....	3	GSA-3 .....	3	GSA-3 .....	3
GSB-2 .....	3	GSB-3 .....	3	GSB-3 .....	3
GSC-2 .....	3	GSC-3 .....	3	GSC-3 .....	3
				GSE 201 .....	3
Chem 444 or 447 .....	3	Chem 446 .....	4		
Chem 411 .....	3	Chem 432 .....	4	Chem 433 .....	4
Chem 490 .....	2				
	17		17		16

## NOTE:

The B.A. degree without A.C.S. approval can be obtained by following the above schedule. In this case Chem 460 can be substituted for Chem 461abc. Also there is a greater choice of chemistry courses during the senior year.

## CHEMISTRY (TEACHING CERTIFICATE WITH A TEACHING MINOR IN PHYSICS) COLLEGE OF LIBERAL ARTS AND SCIENCES

				<i>F i r s t   Y e a r</i>			
FALL	HOURS	WINTER	HOURS	SPRING	HOURS	SUMMER	HOURS
GSA 101a (waive) .....		GSA 101b (waive) .....		GSA 101c (waive) .....			
GSB 101b .....	3	GSB 101c .....	3			GSB 101a .....	3
GSC-1 .....	3	GSC-1 .....	3	GSC-1 .....	3	GSC 209 or 202 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3		
GSD 114a .....	3	GSD 114b .....	3	GSD 114c .....	3		
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1		
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0		
USAF .....	0	USAF .....	0	USAF .....	1	Electives .....	+
Chem 111a .....	5	Chem 111b .....	5	Chem 111c .....	5	Chem 221 .....	3
	18		18		16		9+

*Second Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 201c .....	3	GSA 201a .....	3	GSA 201c .....	3
GSC-2 .....	3	GSC-2 .....	3	GSC-3 .....	3
USAF .....	1	USAF .....	1	USAF .....	0
Phys 206a .....	5	Phys 206b .....	5	Phys 206c .....	5
Chem 341a .....	4	Chem 341b .....	5	Chem 341c .....	5
	<u>16</u>		<u>17</u>		<u>16</u>

*Third Year*

GSA 201b .....	3	GSA 201c or 200 .....	3
GSA 201c .....	3	GSA 201c .....	3
GSD 126a .....	3	GSD 126b .....	3
GSD 126c .....	3	GSD 126c .....	3
Phys .....	5	Phys .....	5
Phys 331 .....	3	Phys 331 .....	3
Chem 331 .....	3	Chem 432 .....	4
	<u>17</u>		<u>15</u>
		Chem 350 .....	4
			<u>17</u>

*Fourth Year*

GSA-3 .....	3	GSA-3 .....	3
GSA-3 .....	3	GSA-3 .....	3
GSE 201 .....	3	GSE 201 .....	3
SEd 310 .....	3	SEd 315 .....	3
SEd 440 .....	3	SEd 352 .....	12
Chem 460 .....	5	Guidance 422 .....	3
Chem 490 .....	2	IM 417 .....	4
	<u>16</u>		<u>16</u>
			<u>18</u>

NOTES:

The B.S. in Ed. degree with the 48-hour major is the same as above, but GSD 126abc can then be omitted.

The B.A. degree without the teaching certificate can be obtained by following the above schedule. In this case the courses in SEd, Guid, and IM can be substituted by electives.

CHEMISTRY

COLLEGE OF EDUCATION

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS	SUMMER	HOURS
GSA-1 (waive) ..	0	GSA-1 (waive) ..	0	GSA-1 (waive) ..	0		
GSC-1 .....	3	GSA 101b .....	3	GSC-1 .....	3	GSA 101c .....	3
GSD 101a .....	3	GSC-1 .....	3	GSD 103 .....	3	GSC 209 or 202 ..	3
GSD 114a .....	3	GSD 101b .....	3	GSD 114c .....	3	Math 150a .....	5
GSE PE .....	1	GSD 114b .....	3	GSE PE .....	1		
FC 000 .....	0	GSE PE .....	1	FC 000 .....	0		
USAF .....	0	FC 000 .....	0	USAF .....	1		
Chem 111a .....	5	USAF .....	0	USAF .....	1		
	<u>15</u>	Chem 111b .....	5	Chem 111c .....	5	Chem 221 .....	3
			<u>18</u>		<u>16</u>		<u>14</u>

*Second Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a .....	3	GSA 211a .....	3	GSA 211b .....	3
GSC-2 .....	3	GSA 201c .....	3	GSC 201 or 210 ..	3
USAF .....	1	USAF .....	1	USAF .....	0
Chem 305a .....	4	Chem 305b .....	4	Chem 350 .....	4
Math 150b .....	5	Math 252a .....	5	Math 320 .....	3
	<u>16</u>		<u>16</u>	Guid 305 .....	3
					<u>16</u>

*Third Year*

GSA 201a .....	3	GSA 201b .....	3	GSA 201c or 200 ..	3
GSA 201b .....	3	GSC-3 .....	3	GSA 201c .....	3
Phys 206a .....	5	Phys 206b .....	5	Phys 206c .....	5
Chem 331 .....	3	SEd 310 .....	4	Guid 422 .....	4
Math 311 .....	3	SEd 315 .....	3		
	<u>17</u>		<u>18</u>		<u>15</u>



*Fourth Year*

GSA-3 .....	3	GSA-3 .....	3	SEd 352 .....	12
GSC-3 .....	3	GSB-3 .....	3	SEd 440 .....	3
Chem 460 .....	5	GSE 201 .....	3		
Phys .....	5	Phys 417 .....	5		
	<u>16</u>		<u>18</u>		<u>15</u>

DESIGN

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSB-1 .....	3	GSB-1 .....	3	GSB-1 .....	3
GSC-1 .....	3	GSC-1 .....	3	GSC-1 .....	3
GSD 101 .....	3	GSD 102 .....	3	GSD 103 .....	3
GSD 114a .....	3	GSD 114b .....	3	GSD 114c .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
Des 100 .....	5	Des 100 .....	5	Des 100 .....	5
	<u>18</u>		<u>18</u>		<u>19</u>

SCHOOL OF FINE ARTS

*Second Year*

GSA-1 .....	3	GSA-1 .....	3	GSA-1 .....	3
GSB-2 .....	3	GSB-2 .....	3	GSB-2 .....	3
GSC-2 .....	3	GSC-2 .....	3	GSC-2 .....	3
USAF .....	1	USAF .....	1	USAF .....	0
Des 200 .....	2	Des 200 .....	2	Des 200 .....	2
Des 215 .....	4	Des 215 .....	4	Des 215 .....	4
Des 275 .....	4	Des 275 .....	4	Des 275 .....	4
	<u>20</u>		<u>20</u>		<u>19</u>

*Third Year*

GSA-2 .....	3	GSA-2 .....	3	GSA-2 .....	3
GSE 201 .....	3	GSB-3 .....	3	GSB-3 .....	3
Design 300 .....	2	Design 300 .....	2	Design 300 .....	2
Design 366 .....	5	Design 366 .....	5	Design 366 .....	5
Design 375 .....	5	Design 375 .....	5	Design 375 .....	5
	<u>18</u>		<u>18</u>		<u>18</u>

*Fourth Year*

GSA-3 .....	3	GSA-3 .....	3	GSC-3 .....	3
Design 390 .....	2	GSC-3 .....	3		
Design 400 .....	2	Design 400 .....	2	Design 400 .....	2
Design 465F .....	5	Design 465F .....	5	Design 465F .....	5
Design 465G .....	5	Design 465G .....	5	Design 465G .....	5
	<u>17</u>		<u>18</u>		<u>15</u>

EARLY CHILDHOOD EDUCATION

COLLEGE OF EDUCATION

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a .....	3	GSA 101b .....	3	GSA 101c .....	3
GSB 101b .....	3	GSB 101c .....	3	GSB 101a .....	3
GSC 100 <sup>1</sup> .....	3	GSC 101 .....	3	GSC 103 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
Mus 040 .....	1	Mus 040 .....	1	Mus 040 .....	1
	<u>14</u>		<u>14</u>		<u>15</u>

*Second Year*

GSA 201a ..... 3	GSA 201b ..... 3	GSA 201c or 200 ..... 3
GSB 201a ..... 3	GSB 201c ..... 3	GSB 201b ..... 3
GSC 209, 202, or 203 .. 3	GSC 204, 205, or 206 .. 3	GSC 201, 207, 208, or 210 ..... 3
GSD 108a <sup>2</sup> ..... 3	GSD 108b ..... 3	GSD 108c ..... 3
GSE 201 ..... 3	Eng 391 ..... 3	Guid 305 ..... 4
USAF ..... 1	USAF ..... 1	USAF ..... 0
16	16	16

*Third Year*

GSA-3 ..... 3	GSA-3 ..... 3	IEd 302 ..... 4
GSB-3 <sup>3</sup> ..... 3	GSB-3 ..... 3	Govt 300 ..... 4
GSC-3 ..... 3	GSC-3 ..... 3	IEd 337 ..... 4
EIEd 316 ..... 4	EIEd 309 ..... 3	PEW 319 ..... 4
Math 210 ..... 4	Mus 300b ..... 3	
17	15	16

*Fourth Year*

EIEd 350B or American History 3	EIEd 350B or American History 3	EIEd 350B or Electives
EdAd 355 ..... 4	IM 417 ..... 4	
Guid 422 ..... 4	Electives ..... 8	
Art 300 ..... 4		
15	15	

<sup>1</sup> Both GSC 100 and 101 are required of early-childhood majors.

<sup>2</sup> Foreign language may be elected instead of math, but six hours of math are required for certification.

<sup>3</sup> GSB 331 should be elected by those who have not had Ed Ad 100.

**ECONOMICS**

FALL	HOURS
GSA 101a ..... 3	
GSB 101b ..... 3	
GSC-1 ..... 3	
GSD 108a or 114a ..... 3	
GSD 101a ..... 3	
GSE PE ..... 1	
FC 000 ..... 0	
USAF ..... 0	
16	

*First Year*

WINTER	HOURS
GSA 101b ..... 3	
GSB 101c ..... 3	
GSC-1 ..... 3	
GSD 108b or 114b ..... 3	
GSD 101b ..... 3	
GSE PE ..... 1	
FC 000 ..... 0	
USAF ..... 0	
16	

**SCHOOL OF BUSINESS**

SPRING	HOURS
GSA 101c ..... 3	
GSB 101a ..... 3	
GSC-1 ..... 3	
GSD 110 ..... 3	
GSD 103 ..... 3	
GSE PE ..... 1	
FC 000 ..... 0	
USAF ..... 1	
17	

*Second Year*

GSA-2 ..... 3	GSA-2 ..... 3	GSA-2 ..... 3
GSB 211a ..... 3	GSB-2 ..... 3	GSB-2 ..... 3
GSC-2 ..... 3	GSC-2 ..... 3	GSC-2 ..... 3
GSE 201 ..... 3	Econ 214 ..... 3	Econ 215 ..... 3
Acct 251a ..... 4	Acct 251b ..... 4	Acct 251c ..... 4
USAF ..... 1	USAF ..... 1	USAF ..... 0
17	17	16

*Third Year*

GSA-3 ..... 3	GSA-3 ..... 3	Econ 330 ..... 4
GSB 311 or * ..... 3	GSB 312 or * ..... 3	Econ 440 ..... 4
GSC-3 ..... 3	GSC-3 ..... 3	Mgt 481 ..... 3
Econ 310 ..... 4	Econ 315 ..... 4	Mgt 320 ..... 5
Mktg 225 ..... 3	Mgt 340 ..... 4	
16	17	16

*Fourth Year*

Econ 441	Econ *	Econ or Elective *
Econ *	Econ or Elective *	Elective
Mgt 371 ..... 4	Mktg 325 ..... 4	Elective
Elective	Elective	Elective

\* Every major shall take two courses from Group I and two courses from Group II below:

Group I: Econ 408, 416, 429, 432, 450, 470, Math 456.

Group II: (GSB 311 or Econ 317), (GSB 312 or Econ 481), Econ 307, 411, 431.

ECONOMICS

COLLEGE OF LIBERAL ARTS AND SCIENCES

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a ..... 3		GSA 101b ..... 3		GSA 101c ..... 3	
GSB 101b ..... 3		GSB 101c ..... 3		GSB 101a ..... 3	
GSC-1 ..... 3		GSC-1 ..... 3		GSC-1 ..... 3	
GSD 108a or 114a ..... 3		GSD 108b or 114b ..... 3		GSD 110 ..... 3	
GSD 101a ..... 3		GSD 101b ..... 3		GSD 103 ..... 3	
GSE PE ..... 1		GSE PE ..... 1		GSE PE ..... 1	
FC 000 ..... 0		FC 000 ..... 0		FC 000 ..... 0	
USAF ..... 0		USAF ..... 0		USAF ..... 1	
	16		16		17

*Second Year*

GSA-2 ..... 3	GSA-2 ..... 3	GSA-2 ..... 3
GSB 211a ..... 3	GSB-2 ..... 3	GSB-2 ..... 3
GSC-2 ..... 3	GSC-2 ..... 3	GSC-2 ..... 3
GSE 201 ..... 3	Econ 214 ..... 3	Econ 215 ..... 3
Elective	Elective	Elective
USAF ..... 1	USAF ..... 1	USAF ..... 0

*Third Year*

GSA-3 ..... 3	GSA-3 ..... 3	Econ 330 ..... 4
GSB 311 or * ..... 3	GSB 312 or * ..... 3	Econ 440 ..... 4
GSC-3 ..... 3	GSC-3 ..... 3	Elective ..... 3
Econ 310 ..... 4	Econ 315 ..... 4	Elective ..... 5
Elective	Elective	

*Fourth Year*

Econ 441 ..... 4	Econ *	Econ or Elective *
Econ *	Econ or Elective *	Elective
Elective	Elective	Elective
Elective	Elective	Elective

\* Every major shall take two courses from Group I and two courses from Group II below:

Group I: Econ 408, 416, 429, 432, 450, 470, Math 456.

Group II: (GSB 311 or Econ 317), (GSB 312 or Econ 481), Econ 307, 411, 431.

Minors are required to take only four of the following indicated requirements:

Econ 310, 315, 330, 440, or 441.

ELEMENTARY EDUCATION

COLLEGE OF EDUCATION

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a ..... 3		GSA 101b ..... 3		GSA 101c ..... 3	
GSB 101b ..... 3		GSB 101c ..... 3		GSB 101a ..... 3	
GSC 100 <sup>1</sup> ..... 3		GSC 101 ..... 3		GSC 103 ..... 3	
GSD 101a ..... 3		GSD 101b ..... 3		GSD 103 ..... 3	
GSE PE ..... 1		GSE PE ..... 1		GSE PE ..... 1	
FC 000 ..... 0		FC 000 ..... 0		FC 000 ..... 0	
USAF ..... 0		USAF ..... 0		USAF ..... 1	
Elective <sup>2</sup> ..... 3		Elective ..... 3		Elective ..... 3	
	16		16		17

*Second Year*

GSA 201a ..... 3	GSA 201b ..... 3	GSA 201c or 200 ..... 3
GSB 201a ..... 3	GSB 201c ..... 3	GSB 201b ..... 3
GSC 209, 202, or 203 .. 3	GSC 204, 205, or 206 .. 3	GSC 207, 208, 201, or 210 ..... 3
GSD 108a <sup>3</sup> ..... 3	GSD 108b ..... 3	GSD 108c ..... 3
GSE 201 ..... 3	American History ..... 3	Guid 305 ..... 4
USAF ..... 1	USAF ..... 1	USAF ..... 0
16	16	16

*Third Year*

GSA-3 ..... 3	GSA-3 ..... 3	Math 210 ..... 4
GSB-3 <sup>4</sup> ..... 3	GSB-3 ..... 3	PEW 319 ..... 4
GSC-3 ..... 3	GSC-3 ..... 3	Govt 300 ..... 4
EIED 314 ..... 4	Eng 391 ..... 3	Ed Ad 355 ..... 4
American History ..... 3	EIED 337 ..... 4	
16	16	16

*Fourth Year*

EIED 351b or IM 417 .... 4	EIED 351b or Electives 16	EIED 351b or Electives 16
Guid 422 ..... 4		
Electives ..... 8		
16	16	16

<sup>1</sup> Both GSC 100 and 101 are required of elementary education majors.

<sup>2</sup> EIED 100 recommended elective during first year.

<sup>3</sup> One year of foreign language may be elected instead of the math sequence, but six hours of math are required for certification.

<sup>4</sup> GSB 331 should be elected by those who have not had Ed Ad 100

ENGINEERING TECHNOLOGY

SCHOOL OF TECHNOLOGY

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a ..... 3		GSA 101b ..... 3		GSA 101c ..... 3	
GSB 101b ..... 3		GSB 101c ..... 3		GSB 101a ..... 3	
GSD 101a ..... 3		GSD 101b ..... 3		GSD 103 ..... 3	
FC 000 ..... 0		FC 000 ..... 0		FC 000 ..... 0	
USAF 100a ..... 0		USAF 100a ..... 0		USAF 100a ..... 0	
				USAF 110 ..... 1	
ET 101a ..... 3		ET 101b ..... 3		ET 101c ..... 3	
Math 150a <sup>1</sup> ..... 5		Math 150b ..... 5		Math 251a ..... 5	
17		17		18	

*Second Year*

GSA 201a ..... 3	GSA 201b ..... 3	GSA 201c or 200 ..... 3
GSB-2 ..... 3	GSB-2 ..... 3	GSB-2 ..... 3
GSE PE ..... 1	GSE PE ..... 1	GSE PE ..... 1
USAF 210 ..... 1	USAF 220 ..... 1	
USAF 200a ..... 0	USAF 200a ..... 0	USAF 200a ..... 0
ET 204a ..... 3	ET 204b ..... 3	ET 204c ..... 3
ET 260a ..... 3	ET 260b ..... 3	ET 260c ..... 3
Tech 300a ..... 3	Tech 300b ..... 3	Tech 300c ..... 3
17	17	16

*Third Year*

GSB-3 ..... 3	GSC-2 ..... 3	GSA-3 ..... 3
GSC-2 ..... 3	GSE 201 ..... 3	GSB-3 ..... 3
ET 300a ..... 3	ET 300b ..... 3	GSC-2 ..... 3
ET 311a ..... 3	ET 311b ..... 3	ET 311c ..... 3
ET electives <sup>2</sup> ..... 6	ET electives ..... 6	ET electives ..... 6
18	18	18

*Fourth Year*

GSA-3 .....	3	GSC-3 .....	3	GSC-3 .....	3
ET 318a .....	3	ET 318b .....	3	ET electives .....	12
ET 361 .....	4	ET electives .....	11		
ET electives .....	6				
	<u>16</u>		<u>17</u>		<u>15</u>

GSC-1, 9 hours missing.

<sup>1</sup> GSD 114a,b,c may be bypassed by waiver, advanced standing, or proficiency examination.

<sup>2</sup> Specific courses are needed to fulfill the elective area requirements. Guidance and recommendations in the selection of the necessary courses for the various elective areas may be made with a School of Technology adviser.

## ENGLISH

## COLLEGE OF EDUCATION OR LIBERAL ARTS AND SCIENCES

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 .....	3	GSA-1 .....	3	GSA-1 .....	3
GSB-1 .....	3	GSB-1 .....	3	GSB-1 .....	3
GSC-1 .....	3	GSC-1 .....	3	GSC-1 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSD FL .....	3	GSD FL .....	3	GSD FL .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
	<u>16</u>		<u>16</u>		<u>17</u>

*Second Year*

GSA 201a .....	3	GSA 201b .....	3	GSA 201c .....	3
GSB-2 .....	3	GSB-2 .....	3	GSB-2 .....	3
GSC 202 .....	3	GSC-2 .....	3	GSC 201 or 210 .....	3
GSE 201 .....	3				
USAF .....	1	USAF .....	1	USAF .....	0
Electives <sup>1</sup> .....	3	Electives <sup>1</sup> .....	6	Electives <sup>1</sup> .....	6-7
	<u>16</u>		<u>16</u>		<u>15-16</u>

*Third Year*

GSC-3 .....	3	GSC-3 .....	3	GSA-3 .....	3
Eng 302a .....	4	Eng 302b .....	4	Eng 302c .....	4

Completion of series: 300, 309, 390

GSC-3: GSC 301, 313, 321, 335, 365, 340

Electives: Eng 392, 492, 493, Phil 360.

*Fourth Year*

GSA-3 .....	3	GSB-3 .....	3	GSB-3 .....	3
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One course in drama: 460a, 460b, 460c, 460d, 464, 468, 471a, 471b

One course in poetry: 404a, 404b, 421a, 421b, 421c, 421d, 420a, 420b, 473

One course in fiction: 454a, 454b, 454c, 456, 458a, 458b

These three courses in literary forms should each be selected from a different historical period.

Medieval	404a, 404b
Renaissance	460a, 460b, 471a, 471b
17-18	454a, 460c, 473
19	420a, 421a, 421b, 421c, 454b, 458a
20	420b, 421d, 454c, 456, 458b, 460d, 464, 468

English 485 for students who plan student teaching in English. This course satisfies the methods requirements in the Education curriculum, replacing Education 315.

Electives in types, periods, criticism, linguistics, semantics, as needed to total at least 48 hours in English beyond the freshman level.

<sup>1</sup> Recommended as electives toward the major, beginning third-level work with: English 300, 390; foreign language on the 200 level; courses in the minor, in education, mathematics, philosophy, science.

FOREIGN LANGUAGE

*First Year*

FALL	HOURS	WINTER	HOURS
GSA-1 .....	3	GSA-1 .....	3
GSB-1 .....	3	GSB-1 .....	3
GSC-1 .....	3	GSC-1 .....	3
GSD 101a .....	3	GSD 101b .....	3
GSD FL .....	3	GSD FL .....	3
GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0
	<u>16</u>		<u>16</u>

*Second Year*

GSA-2 .....	3	GSA-2 .....	3
GSB-2 .....	3	GSB-2 .....	3
GSC-2 .....	3	GSC-2 .....	3
GSE 201 .....	3	Elective .....	3
USAF .....	1	USAF .....	1
FL .....	<u>3-5</u>	FL .....	<u>3-5</u>
	16-18		16-18

*Third Year*

GSA-3 .....	3	GSA-3 .....	3
GSB-3 .....	3	GSB 331 .....	3
GSC-3 .....	3	GSC-3 .....	3
FL .....	<u>3-5</u>	FL .....	<u>3-5</u>
GSD Math .....	3	GSD Math .....	3
American History .....	3	GSB 201c or 211b <sup>1</sup> .....	3
	<u>18-20</u>		<u>18-20</u>

*Fourth Year*

FL .....	<u>3-6</u>	FL .....	<u>3-6</u>
Minor .....	7	Minor .....	9
Guid 422 .....	4	Eng 391 <sup>2</sup> .....	3
SEd 310 .....	4	SEd 315 .....	3
	<u>18-21</u>		<u>18-21</u>

COLLEGE OF EDUCATION

SPRING	HOURS
GSA-1 .....	3
GSB-1 .....	3
GSC-1 .....	3
GSD 103 .....	3
GSD FL .....	3
GSE PE .....	1
FC 000 .....	0
USAF .....	<u>1</u>
	17

GSA-2 .....	3
GSB-2 .....	3
GSC-2 .....	3
Elective .....	3
USAF .....	0
FL .....	<u>3-5</u>
	15-17

FL .....	<u>3-5</u>
Minor .....	8
Guidance 305 .....	4
IM 417 .....	4
	<u>19-21</u>

SEd 352 (Student Teaching) .....	12-16
SEd 440 .....	3
	<u>15-19</u>

<sup>1</sup> GSB 211b or 201c, whichever one student has omitted in the GSB-2 sequence.

<sup>2</sup> or Eng 300, or waiver, via proficiency test.

Note: A 36-hour major requires two minors; a 48-hour major, one. If a student enters without two years of his major foreign language in high school, he will probably have to attend some summers in order to acquire hours in his major and minors.

FOREIGN LANGUAGE

COLLEGE OF LIBERAL ARTS AND SCIENCES

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 .....	3	GSA-1 .....	3	GSA-1 .....	3
GSB-1 .....	3	GSB-1 .....	3	GSB-1 .....	3
GSC-1 .....	3	GSC-1 .....	3	GSC-1 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSD FL .....	3	GSD FL .....	3	GSD FL .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	<u>1</u>
	<u>16</u>		<u>16</u>		17

*Second Year*

GSA-2	3
GSB-2	3
GSC-2	3
GSE 201	3
USAF	1
FL	3-5
	<hr/> 16-18

GSA-2	3
GSB-2	3
GSC-2	3
Elective	3
USAF	1
FL	3-5
	<hr/> 16-18

GSA-2	3
GSB-2	3
GSC-2	3
Elective	3
USAF	0
FL	3-5
	<hr/> 15-17

*Third Year*

GSA-3	3
GSB-3	3
GSC-3	3
FL	3-5
Minor	4
	<hr/> 16-18

GSA-3	3
GSB-3	3
GSC-3	3
FL	3-5
Minor	4
	<hr/> 16-18

FL	3-5
Minor	4
Elective	9
	<hr/> 16-18

*Fourth Year*

FL	4-8
Minor	4
Elective	8
	<hr/> 16-20

FL	4-8
Minor	4
Elective	8
	<hr/> 16-20

FL	4-8
Minor	4
Elective	8
	<hr/> 16-20

Major is 42 hours, exclusive of GSD FL courses.  
A 48-hour major is available.

FORESTRY

FALL	HOURS
GSA 101a	3
GSB 101a	3
GSD 101a	3
GSD 114a <sup>1</sup>	3
GSE 101 <sup>2</sup>	3
For 104	3
FC 000	0
USAF	0
	<hr/> 16

GSA 201a	3
GSB 211a	3
GSC 103	3
USAF	1
AgI 303	4
For	4
	<hr/> 18

GSA 340	3
GSC-2	3
For	7
Geol 220	5
	<hr/> 18

SCHOOL OF AGRICULTURE

*First Year*

WINTER	HOURS
GSA 101b	3
GSB 101b	3
GSC 101	3
GSD 101b	3
GSD 114b	3
GSE PE	1
AgI 214	2
FC 000	0
USAF	0
	<hr/> 18

*Second Year*

GSA 201b	3
GSB 211b	3
GSD 110	3
USAF	1
PII 301F	4
For	4
	<hr/> 18

*Third Year*

GSB-3	3
GSC-2	3
For	12
	<hr/> 18

SPRING	HOURS
GSA 101c	3
GSB 101c	3
GSC 102	3
GSD 103	3
GSD 114c	3
GSE PE	1
FC 000	0
USAF	1
	<hr/> 17

GSA 201c	3
GSB 211c	3
GSC-2	3
GSE 201	3
Bot 320	5
	<hr/> 17

Forestry Spring Camp	18
	<hr/> 18

*Fourth Year*

GSA-3 .....	3	GSC-3 .....	3	For .....	3
GSB-3 .....	3	For .....	8	Bot (elective) .....	4
GSC-3 .....	3	AgI 471 .....	4	Zool (elective) .....	8
For .....	7				
	<hr/>		<hr/>		<hr/>
	16		15		15

<sup>1</sup> If Math 106 is required, delay GSA 101 until following quarter.

<sup>2</sup> Non-swimmers should take beginning and intermediate swimming; fair swimmers should take intermediate swimming.

GENERAL SCIENCE AND MATHEMATICS IN JUNIOR HIGH

COLLEGE OF EDUCATION

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a .....	3	GSA 101b .....	3	GSA 101c .....	3
GSB 101a .....	3	GSB 101b .....	3	GSB 101c .....	3
GSC-1 .....	3	GSC-1 .....	3	GSC-1 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSD 114a .....	3	GSD 114b .....	3	GSD 114c .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
	<hr/>		<hr/>		<hr/>
	16		16		17

*Second Year*

GSA 201a .....	3	GSA 201b .....	3	GSA 201c .....	3
GSB 211a .....	3	GSB 211b .....	3	GSB 211c .....	3
GSC-2 .....	3	GSC-2 .....	3	GSC-2 .....	3
GSE 201 .....	3	GSB 201c .....	3	Eng 391 or 300 .....	3-4
USAF .....	1	USAF .....	1	USAF .....	0
Math 150a .....	5	Math 150b .....	5	Math 252a .....	5
	<hr/>		<hr/>		<hr/>
	18		18		17-18

*Third and Fourth Years*

Consult Dr. Claude Dykhouse, College of Education, Academic Advisement.

GEOGRAPHY

COLLEGE OF LIBERAL ARTS AND SCIENCES

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a .....	3	GSA 101b .....	3	GSA 101c .....	3
GSB 101b .....	3	GSB 101c .....	3	GSB 101a .....	3
GSC-1 .....	3	GSC-1 .....	3	GSC-1 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSD FL <sup>1</sup> .....	3	GSD FL .....	3	GSD FL .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
	<hr/>		<hr/>		<hr/>
	16		16		17

*Second Year*

GSA 200 <sup>2</sup> .....	3	GSA 201a .....	3	GSA 201b .....	3
GSB-2 .....	3	GSB-2 .....	3	GSB-2 .....	3
GSC-2 .....	3	GSC-2 .....	3	GSC-2 .....	3
GSE 201 .....	3	GSD 108a or 114a .....	3	GSD 108b or 114b .....	3
USAF .....	1	USAF .....	1	USAF .....	0
Geog 302 .....	4	Geog 304 .....	4	Geog 306 .....	4
	<hr/>		<hr/>		<hr/>
	17		17		16



<i>Third Year</i>					
GSA-3	3	GSA-3	3	Geog 4-a	4
GSB-3	3	GSB-3	3	Minor 4	4
GSC-3	3	GSC-3	3	Minor	4
Geog 308	3	Geog 310b	3	Elective	4
Geog 310a	3	Minor	4		
	15		16		16
<i>Fourth Year</i>					
Geog 4-b	3	Geog 4-a	3	Geog 4-b	3
Geog 490a	1	Geog 490b	1	Geog 490c	1
Minor	4	Minor	4	Minor	4
Geog 4-a	4	Elective	4	Elective	4
Elective	4	Elective	4	Elective	4
	16		16		16

<sup>1</sup> Preferably French, German or Russian

<sup>2</sup> GSA 200 is required for the major

<sup>3</sup> Student should work out major program with departmental adviser, who will also suggest third level General Studies courses.

## GEOLOGY

## COLLEGE OF LIBERAL ARTS AND SCIENCES

<i>First Year</i>					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 (waive)	0	GSA-1 (waive)	0	GSA-1 (waive)	0
GSB 101b	3	GSB 101c	3	GSB 101a	3
GSC-1	3	GSC-1	3	GSC-1	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 114a	3	GSD 114b	3	GSD 114c	3
GSD (FL)	3-4	GSD (FL)	3-4	GSD (FL)	3-4
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
	16-17		16-17		16-17
<i>Second Year</i>					
GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB-2	3	GSB-2	3	GSB-2	3
USAF	1	USAF	1	GSC-2	3
Chem 111a	5	Chem 111b	5	USAF	0
Geol 220	5	Geol 221	5	Chem 111b	5
	17		17	Geol 302	4
					18
<i>Third Year</i>					
GSB-3	3	GSA-3	3	GSA-3	3
GSC-2	3	GSB-3	3	GSC-3	3
Geol 310	4	GSC-2	3	Geol Elective	4
Geol 431	4	Geol Elective	4	Elective	6-7
Elective	3-4	Elective	3-4		
	17-18		16-17		16-17
<i>Fourth Year</i>					
GSC 3	3	Geol 405	4	Geol Elec	4
GSE 201	3	Phys 206c or 211c	5	Phys 206b or 211b	5
Geol 425	5	Elective	9	Elective	9
Phys 206a or 211a	5				
	16		18		18

## NOTES:

The undergraduate major in geology gives basic preparation for graduate training in

all the areas of professional specialization such as: areal geology, structure, stratigraphy, sedimentation, paleontology, mineralogy and crystallography, geomorphology, and allied areas of geophysics, geochemistry, oceanography, and engineering geology. Each area of specialization requires appropriate supporting courses.

Appropriate undergraduate major programs may be arranged directed toward the areas of: Earth Science Teaching, Geology in (Engineering) Applied Science, Conservation, Recreation and Outdoor Education, and Business.

A minor should be initiated in the junior year; recommended fields are chemistry, physics, zoology or botany, and mathematics.

Chem 111a,b,c is substitution for waiver of GSA-1.

Math 106-0 will be required for students unprepared for Math 114.

The foreign language must be German, Russian, or French.

GOVERNMENT

FALL	HOURS
GSA 101a .....	3
GSB 101b .....	3
GSC-1 .....	3
GSD 101a .....	3
GSD 108a or FL .....	3
GSE PE .....	1
FC 000 .....	0
USAF .....	0
	<hr/>
	16

GSA 201a .....	3
GSB 201a <sup>1</sup> , 211a <sup>2</sup> , or 211b .....	3
GSC-2 .....	3
GSD Math or FL .....	3
USAF .....	1
Govt 231 <sup>1</sup> or History 201a <sup>2</sup> .....	3-5
	<hr/>
	16-18

GSA-3 .....	3
GSB-3 .....	3
GSC-3 .....	3
GSE 201 .....	3
Govt .....	5
	<hr/>
	17

Govt .....	8
Minor .....	6
Elective .....	3
	<hr/>
	17

<sup>1</sup> One who takes GSB 201a,b,c, should also take Govt 231, 232, Hist 201a.

<sup>2</sup> One who takes GSB 211a,b,c, should also take Hist 201a, 201b, Govt 232.

COLLEGE OF LIBERAL ARTS AND SCIENCES

*First Year*

WINTER	HOURS	SPRING	HOURS
GSA 101b .....	3	GSA 101c .....	3
GSB 101c .....	3	GSB 101a .....	3
GSC-1 .....	3	GSC-1 .....	3
GSD 101b .....	3	GSD 103 .....	3
GSD 108b or FL .....	3	GSD 108c or FL .....	3
GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	1
	<hr/>		<hr/>
	16		17

*Second Year*

GSA 201c .....	3	GSA 201b .....	3
GSB 201c <sup>1</sup> , 211b or 211a <sup>2</sup> .....	3	GSB 201b <sup>1</sup> or 211c <sup>2</sup> .....	3
GSC-2 .....	3	GSC-2 .....	3
GSD Math or FL .....	3	GSD Math or FL .....	3
USAF .....	1	USAF .....	0
Govt 232 <sup>1</sup> or History 201b <sup>2</sup> .....	3-5	Hist 201a <sup>1</sup> or Govt 232 <sup>2</sup> (or Govt 243 & 330) .....	3-5
	<hr/>		<hr/>
	16-18		15-17

*Third Year*

GSA-3 .....	3	Elective .....	5
GSB-3 .....	3	Govt .....	7
GSC-3 .....	3	Minor .....	5
Govt .....	4		<hr/>
Minor .....	4		17
	<hr/>		
	17		

*Fourth Year*

Govt .....	4	Govt .....	4
Minor .....	6	Minor .....	3
Elective .....	7	Elective .....	10
	<hr/>		<hr/>
	17		17

HEALTH EDUCATION (ELEMENTARY)

COLLEGE OF EDUCATION

Students majoring in the Special Certificate Program in health education should follow the Elementary Education program in the College of Education. In addition, they must complete the 48-hour major in health education as follows: GSE 201-3, HEd 205-4, 300-3, 311 or 312-4, 313s-4, 334s-4, 350-4, 355-4, 400-4, 490-6, plus 8 hours in health education.

## HEALTH EDUCATION (SECONDARY, WITH 30 HOURS MINOR)

## COLLEGE OF EDUCATION

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 .....	3	GSA-1 .....	3	GSA-1 .....	3
GSB-1 .....	3	GSB-1 .....	3	GSB-1 .....	3
GSC-1 .....	3	GSC-1 .....	3	GSC-1 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSE-1 .....	1	GSE-1 .....	1	GSE-1 .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
Elective .....	3	Elective .....	3	GSE 201 .....	3
	<u>16</u>		<u>16</u>		<u>17</u>

*Second Year*

GSA-2 .....	3	GSA-2 .....	3	GSA-2 .....	3
GSB-2 .....	3	GSB-2 .....	3	GSB-2 .....	3
GSC-2 .....	3	GSC-2 .....	3	GSC-2 .....	3
GSD Math .....	3	GSD Math .....	3	GSD Math .....	3
HEd 205 .....	4	HEd 311 or 312 .....	4	HEd 300 or 334s .....	4
USAF .....	1	USAF .....	1	USAF .....	0
	<u>17</u>		<u>17</u>	Minor .....	2-3
					<u>17-18</u>

*Third Year*

GSA-3 .....	3	GSA-3 .....	3	Minor .....	3-4
GSB-3 .....	3	GSB-3 .....	3	GSC-3 .....	3
Guid 305 .....	4	GSC-3 .....	3	Guid 422 .....	3
HEd 300 or 334s .....	3-4	SEd 310 .....	4	HEd 460 .....	4
HEd 313s .....	4	HEd 355 .....	4	HEd 471 .....	4
	<u>17-18</u>		<u>17</u>		<u>17-18</u>

*Fourth Year*

Minor .....	4-8	Minor .....	8-10	Student Teaching .....	12
HEd Elective .....	4	IM 417 .....	4	SEd 440 .....	4
HEd 490 .....	4-8	HEd 400 .....	4		
	<u>16-18</u>		<u>18</u>		<u>16</u>

## HEALTH SCIENCE

## COLLEGE OF LIBERAL ARTS AND SCIENCES

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a (waive) .....	0	GSA 101b (waive) .....	0	GSA 101c (waive) .....	0
GSA 201a .....	3	GSA 201b .....	3	GSA 201c .....	3
GSB 101a .....	3	GSB 101b .....	3	GSB 101c .....	3
GSC 100 or 101 .....	3	GSC 102 .....	3	GSC 103 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSD 108a .....	3	GSD 108b .....	3	GSD 108c .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
	<u>16</u>		<u>16</u>		<u>17</u>

*Second Year*

GSB 211a .....	3	GSB 201c .....	3	GSB 201b .....	3
GSC-2 .....	3	GSB 211b .....	3	GSB 211c .....	3
GSD FL .....	3	GSC-2 .....	3	GSC-2 .....	3
GSE 201 .....	3	GSD FL .....	3	GSD FL .....	3
USAF .....	1	USAF .....	1	USAF .....	0
Zool 102 .....	5	Zool 103 .....	5	Phsl 209 .....	5
	<u>18</u>		<u>18</u>		<u>17</u>

*Third Year*

GSA 101b ..... 3	GSA 101c ..... 3	GSA-3 ..... 3
GSB-3 ..... 3	GSA-3 ..... 3	GSC-3 ..... 3
GSC-3 ..... 3	GSB-3 ..... 3	Psyc 305 ..... 4
GSC-3 ..... 3		Chem 350 ..... 4
Chem 101b ..... 1	Chem 101c ..... 1	HEd 300 ..... 3
HEd 325 ..... 3	Govt 232 ..... 5	<hr/>
16	15	17

*Fourth Year*

Psyc 307 ..... 4	Psyc 432 ..... 4	
Govt 360 ..... 5	Govt 440 ..... 3	
Soc 335 ..... 4	Soc 336 ..... 4	Electives ..... 11-12
HEd 355 ..... 4	Micr 301 or 101 ..... 5	HEd 356 ..... 5
<hr/>	<hr/>	<hr/>
17	16	16-17

NOTES:

Phsl 315 may be substituted for advanced students. Requirements for health science major: HEd 300, 325, 355, 356; Micr 201 or 301; Chem 112, 113, or 110, 240, 350; Math 111, 112, 220; Phsl 209, or 315; Zool 102, 103, or 316; Psyc 304, 307, 412, Soc 311, 316; Govt 232, 360, 466.

Elective and required courses must include 64 hours of senior-college credit.

Recommended electives: Ag 231, 303, Geog 310; Geol 220; HEd 101; Micr 442, 423; Govt 466; Phsl 317, 433, 401; Phys 206, 207, 208; Zool 310, 316, 320, 321, 401, 407.

\*If any General Studies courses are passed by proficiency exam, it is suggested that the student take the Chemistry sequence at the earliest time possible.

HISTORY

COLLEGE OF EDUCATION OR LIBERAL ARTS AND SCIENCES

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 ..... 3		GSA-1 ..... 3		GSA-1 ..... 3	
GSB-1 ..... 3		GSB-1 ..... 3		GSB-1 ..... 3	
GSC-1 ..... 3		GSC-1 ..... 3		GSC-1 ..... 3	
GSD 101a ..... 3		GSD 101b ..... 3		GSD 103 ..... 3	
GSD FL ..... 3		GSD FL ..... 3		GSD FL ..... 3	
GSE PE ..... 1		GSE PE ..... 1		GSE PE ..... 1	
FC 000 ..... 0		FC 000 ..... 0		FC 000 ..... 0	
USAF ..... 0		USAF ..... 0		USAF ..... 1	
<hr/>		<hr/>		<hr/>	
16		16		17	

*Second Year*

GSA-2 ..... 3	GSA-2 ..... 3	GSA-2 ..... 3
GSB-2 ..... 3	GSB-2 ..... 3	GSB-2 ..... 3
GSC-2 ..... 3	GSC-2 ..... 3	GSC-2 ..... 3
GSE 201 ..... 3		
USAF ..... 1	USAF ..... 1	USAF ..... 0
Hist 201a ..... 3	Hist 201b ..... 3	Hist 201c ..... 3
	Hist elective ..... 3	Hist elective ..... 3
<hr/>	<hr/>	<hr/>
16	16	15

*Third and Fourth Years*

GSA-3 ..... 3	GSA-3 ..... 3	GSB-3 ..... 3
GSB-3 ..... 3	GSC-3 ..... 3	GSC-3 ..... 3

There is considerable variation in the requirements for a history major, depending upon the interest of the student. Prospective majors should consult with Professor George Adams, chairman of the department, Old Main 212.

## HOME ECONOMICS (APPAREL DESIGN)

## SCHOOL OF HOME ECONOMICS

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSB-1 .....	3	GSB-1 .....	3	GSB-1 .....	3
GSC 101 .....	3	GSC 102 .....	3	GSC 103 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
C&T 131 .....	3	C&T 127 .....	4	C&T 231 (Sp alt yrs) ..	3
Elective <sup>1</sup> .....	3	C&T 135 .....	3	H&F 227 .....	3
	<hr/>		<hr/>		<hr/>
	16		17		16

*Second Year*

GSA 101a .....	3	GSA 101b .....	3	GSA 101c .....	3
GSB 201a .....	3	Chem 101b <sup>3</sup> .....	1	Chem 101c <sup>3</sup> .....	1
GSC 209, 202, 203 .....	3	GSB 201c .....	3	GSB 201b .....	3
F&N-3 <sup>2</sup> .....	5	GSC 204 or 205 .....	3	GSC 207 .....	3
H&F 237 .....	3	GSE 201 .....	3	Art 241 .....	4
		C&T 323 (W&Sp) .....	2	C&T 233 .....	3
		C&T 327 (W&Sp) .....	3		
	<hr/>		<hr/>		<hr/>
	17		18		17

*Third Year*

GSA 201a .....	3	GSA 201b .....	3	GSC-3 .....	3
GSB-3 .....	3	GSC-3 .....	3	GSD 108c or 123c .....	3
GSD 108a or 123a .....	3	GSD 108b or 123b .....	3	C&T 364 (Sp alt yrs) ..	3
C&T 300 .....	2-4	C&T 322 (W alt yrs) ..	3	HEED 306 .....	2
C&T 360 (F&W) .....	4	C&T 334 (W alt yrs) ..	3	H&F 341 .....	4
	<hr/>		<hr/>		<hr/>
	15-17		15		15

*Fourth Year*

GSA 201c .....	3	GSA-3 .....	3	GSA-3 .....	3
GSB-3 .....	3	Art Hist .....	3-4	C&T 371 <sup>4</sup> .....	6
C&T 339 (F alt yrs) .....	3	C&T 329 (W alt yrs) ..	3	C&T 433 (Sp alt yrs) ..	4
Electives .....	7	C&T 331 (W alt yrs) ..	3	Electives .....	3
		C&T 434 (W alt yrs) ..	4		
	<hr/>		<hr/>		<hr/>
	16		16-17		16

<sup>1</sup> HEED 111, particularly if student is in doubt about his major; or GSD 108 or GSD 123 sequence may be selected at this time instead of Jr. year; or other required or elective courses.

<sup>2</sup> Recommended courses pending.

<sup>3</sup> Lab to accompany GSA 101b,c

<sup>4</sup> Field experience to be arranged between junior and senior years or between sophomore and junior years if qualified.

## HOME ECONOMICS (CLOTHING AND TEXTILES MERCHANDISING)

## SCHOOL OF HOME ECONOMICS

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSB 101b .....	3	GSB 101c .....	3	GSB 101a .....	3
GSC 101 .....	3	GSC 102 .....	3	GSC 103 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSE-1 .....	1	GSE-1 .....	1	GSE-1 .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
C&T 131 .....	3	C&T 127 .....	4	C&T 231 (Sp Alt yrs) ..	3
Elective <sup>1</sup> .....	3	C&T 135 .....	3	C&T 331 (Alt yrs) .....	3
				H&F 227 .....	3
	<hr/>		<hr/>		<hr/>
	16		17		16

*Second Year*

GSA 101a ..... 3	GSA 101b ..... 3	GSA 101c ..... 3
GSB 201a ..... 3	Chem 101b <sup>3</sup> ..... 1	Chem 101c <sup>3</sup> ..... 1
GSC 209, 202, 203 ..... 3	GSB 201c ..... 3	GSB 201b ..... 3
H&F 237 ..... 3	GSC 204 or 205 ..... 3	GSC 207 ..... 3
Mktg 230 ..... 5	Acct 250 ..... 4	GSE 201 ..... 3
	C&T 300 ..... 2-4	C&T 233 (Sp and F) .. 3
17	16-18	16

*Third Year*

GSA 201a ..... 3	GSA 201b ..... 3	GSA 201c ..... 3
GSD 108a or 123a ..... 3	GSB-3 ..... 3	GSC-3 ..... 3
F&N 3 <sup>2</sup> ..... 5	GSD 108b or 123b ..... 3	GSD 108c or 123c ..... 3
Jrnl 370 or Mktg 333 ..... 3-4	C&T 334 (Alt yrs) or C&T 434 (Alt yrs) ..... 3-4	C&T 323 (W and S) ... 2
	Mktg 332 ..... 4	HEEd 306 ..... 2
14-15	16-17	17

*Fourth Year*

GSA-3 ..... 3	GSA-3 ..... 3	C&T 364 (Alt yrs) ..... 3
GSB-3 ..... 3	C&T 322 (Alt yrs) ..... 3	C&T 371 <sup>4</sup> ..... 6
GSC-3 ..... 3	C&T 329 (Alt yrs) ..... 3	Electives ..... 8
C&T 339 (Alt yrs) ..... 3	C&T 327 (W and S) .. 3	
C&T 360 (F and W) ... 4	H&F 341 ..... 4	
16	16	17

<sup>1</sup>HEEd 111, particularly if student is in doubt about his major; or GSD 108 or GSD 123 may be selected at this time instead of junior year; or other required or elective courses.

<sup>2</sup>Recommended courses pending.

<sup>3</sup>Lab to accompany GSA 102, 103

<sup>4</sup>Field experience to be arranged between junior and senior years. Between sophomore and junior years if qualified.

Suggested Electives:

Art 385; C&T 251, 474; HEEd 111; H&F 324, 333 or 331, and 332; Photography

HOME ECONOMICS (DIETETICS)

SCHOOL OF HOME ECONOMICS

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a ..... 3		GSA 101b and Chem 101b ..... 4		GSA 101c and Chem 101c ..... 4	
GSC 101 ..... 3		GSC 102 ..... 3		GSB 101b ..... 3	
GSD 101a ..... 3		GSD 101b ..... 3		GSC 103 ..... 3	
GSD 108a ..... 3		GSD 108b ..... 3		GSD 103 ..... 3	
GSE PE ..... 1		GSE PE ..... 1		GSD 108c ..... 3	
FC 000 ..... 0		FC 000 ..... 0		GSE PE ..... 1	
F&N 105 ..... 4		H&F 227 ..... 3		FC 000 ..... 0	
17		17		17	

*Second Year*

GSA 201a ..... 3		GSA 201b <sup>1</sup> ..... 3	
GSA 301 ..... 4		GSB 211b ..... 3	
GSB 101c ..... 3	GSB 101a ..... 3	GSC 207, 208, or 201 .. 3	
GSC 209, 202, or 203 .. 3	GSC 204 or 205 ..... 3	GSE 201 <sup>1</sup> ..... 3	
	H&F 237 ..... 3	Chem 350 ..... 4	
	Acct 250 ..... 4		
C&T 251 ..... 3	F&N 206 ..... 4		
16	17	16	

*Third Year*

GSC 386 .....	3	GSC 211a .....	3	GSA 201c <sup>1</sup> .....	3
F&N 335 .....	4	GSC 387 .....	3	GSB 211c .....	3
F&N 350 .....	3	F&N 320 .....	4	F&N 355 .....	3
F&N 351 .....	3	F&N 352a .....	4	HEEd 307 .....	3
Micr 301 .....	5	Guid 305 .....	4	Psyc 320 .....	4
	<u>18</u>		<u>18</u>		<u>16</u>

*Fourth Year*

F&N 340 .....	4	GSB-3 .....	3	GSA 302 .....	3
F&N 352b .....	4	H&F 341 .....	4	GSB 303, 312, or 314 .....	3
F&N 356 .....	4	H&F 332 .....	4	F&N 359 .....	4
H&F 331 .....	3	Micr 422 .....	5	Electives .....	5
	<u>15</u>		<u>16</u>		<u>13-18</u>

<sup>1</sup> Recommended trying the proficiency examination.

Recommended Electives: C&T 131, 323, 327; F&N 321, 356; Mgt 271, 371, 382, 385, 485; Psyc 323.

HOME ECONOMICS (FOODS IN BUSINESS)      SCHOOL OF HOME ECONOMICS

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a .....	3	GSA 101b and Chem 101b .....	4	GSA 101c and Chem 101c .....	4
GSC 101 .....	3	GSC 102 .....	3	GSB 101b .....	3
GSD 101a .....	3	GSD 101b .....	3	GSC 103 .....	3
GSD 108a .....	3	GSD 108b .....	3	GSD 103 .....	3
FC 000 .....	0	GSE PE .....	1	GSD 108c .....	3
F&N 105 .....	4	FC 000 .....	0	GSE PE .....	1
HEEd 111 .....	2	H&F 227 .....	3	FC 000 .....	0
	<u>18</u>		<u>17</u>		<u>17</u>

*Second Year*

GSA 201a .....	3	GSA 201b .....	3	GSA 201c .....	3
GSB 101c .....	3	GSB 101a .....	3	GSB 211c .....	3
GSB 211a .....	3	GSB 211b .....	3	GSC 207, 208, or 201 .....	3
GSC 209, 202, or 203 .....	3	GSC 204, or 205 .....	3	Chem 350 .....	4
H&F 237 .....	3	F&N 206 .....	4	R-T 161 .....	4
C&T 251 .....	3				<u>4</u>
	<u>18</u>		<u>16</u>		<u>17</u>

*Third Year*

GSA 301 .....	4	F&N 321 .....	3	GSE PE .....	1
F&N 356 .....	4	H&F 341 .....	4	F&N 320 .....	4
H&F 331 .....	3	Mktg 230 .....	5	H&F 324 .....	2
Micr 301 .....	5	Acct 250 .....	4	Mktg 337 .....	4
	<u>16</u>		<u>16</u>	C&T 323 .....	2
				Jrnl 393 .....	3
					<u>16</u>

<i>Fourth Year</i>		
GSB 311 ..... 3	GSA 302 ..... 3	GSB 303, 312, or 314 .. 3
GSC 342 or 386 ..... 3	GSC 348 or 387 ..... 3	
	GSE 201 <sup>2</sup> ..... 3	
F&N 335 ..... 4	H&F 332 ..... 4	C&T 327 ..... 3
F&N 352 ..... 4	Electives 3 ..... 3	H&F 424 ..... 4
Mktg 333 ..... 4		Electives ..... 6
<u>18</u>	<u>16</u>	<u>16</u>

<sup>2</sup> Students are encouraged to take the proficiency examination for GSE 251, fall term of senior year.

Recommended Electives: Guid 305; Jrnl 331; Mgt 271, 384, 385; Phsl 209; Psyc 323, 410; SEd 102, 311; Spch 102; R-T 256.

HOME ECONOMICS (HOME ADVISERS)

SCHOOL OF HOME ECONOMICS

<i>First Year</i>					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSB 201a ..... 3		GSB 201c ..... 3		GSB 201b ..... 3	
GSC 101 ..... 3		GSC 102 ..... 3		GSC 103 ..... 3	
GSD 101a ..... 3		GSD 101b ..... 3		GSD 103 ..... 3	
GSE PE ..... 1		GSE PE ..... 1		GSE PE ..... 1	
FC 000 ..... 0		FC 000 ..... 0		FC 000 ..... 0	
F&N 105 ..... 4		C&T 127 ..... 4		C&T 131 ..... 3	
HEEd 111 ..... 2		H&F 227 ..... 3		H&F 237 ..... 3	
<u>16</u>		<u>17</u>		<u>16</u>	

<i>Second Year</i>					
GSA 101a ..... 3	GSA 101b ..... 3	GSA 101c ..... 3			
GSB 211a ..... 3	GSB 211b ..... 3	GSB 211c ..... 3			
GSC 209, 202, or 203 .. 3	GSC 204, 205, or 206 .. 3	GSC 207, 201, or 210 .. 3			
GSD 108a ..... 3	GSD 108b ..... 3	GSD 108c ..... 3			
GSE 201 ..... 3	F&N 206 ..... 4	C&T 233 ..... 3			
<u>15</u>	<u>16</u>	<u>15</u>			

<i>Third Year</i>					
GSA 201a ..... 3	GSA 201b ..... 3	GSA 201c ..... 3			
GSB 301 ..... 3	GSB 302 ..... 3	C&T 323 ..... 2			
C&T 135 ..... 3	Eng 391 <sup>1</sup> ..... 3	C&T 327 ..... 3			
H&F 331 ..... 3	H&F 341 ..... 4	F&N 335 ..... 4			
R-T 161 ..... 4	HEEd 370 ..... 5	F&N 320 ..... 4			
<u>16</u>	<u>18</u>	<u>16</u>			

<i>Fourth Year</i>					
GSA 301 ..... 3	GSA 302 ..... 3				
GSC 301 ..... 3	GSC ..... 3				
H&F 332 ..... 4	H&F 345 ..... 3	H&F 324 ..... 2			
C&T 360 ..... 4	F&N 321 ..... 3	HEEd 371 ..... 6			
Jrnl 393 ..... 3	HEd 310 ..... 4	Electives ..... 8			
<u>17</u>	<u>16</u>	<u>16</u>			

<sup>1</sup> May proficiency by B average at GSD first level or examination.



## HOME ECONOMICS (HOME AND FAMILY) SCHOOL OF HOME ECONOMICS

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB 101b	3	GSB 101c	3	GSB 101a	3
GSC 100 or 101	3	GSC 102	3	GSC 103	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
F&N 105	4	C&T 127	4	C&T 135	3
		Chem 101b	1	Chem 101c	1
	<u>17</u>		<u>18</u>		<u>17</u>

*Second Year*

GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 201a	3	GSB 201c	3	GSB 201b	3
GSC 209, 202, or 203	3	GSC 204, 205, or 206	3	GSC 207, 208, 201, or 210	3
GSD 108a	3	GSD 108b	3	GSD 108c	3
C&T 131	3	F&N 206	4	H&F 237	3
	<u>15</u>		<u>16</u>		<u>15</u>

*Third Year*

GSA-3	3	GSA-3	3	GSA-3	3
GSB-3	3	GSB-3	3	GSE 201	3
H&F 227	3	GSC-3	3	C&T 233	3
H&F 331	3	F&N 320	4	F&N 335	4
H&F 345	3-4	Electives	4	Electives	4
	<u>15-16</u>		<u>17</u>		<u>17</u>

*Fourth Year*

H&F 366	3	H&F 324	2	H&F 341	4
H&F 332	4	F&N 321	3	C&T 323	2
Electives	10	Electives	12	Electives	8
	<u>17</u>		<u>17</u>	C&T 327	3
					<u>17</u>

## NOTES:

Recommended electives for a General curriculum: C&T 145, 331, 360; HEd 310; HEEd 111.

For students with a particular interest in child development and family relations, the following electives are suggested: F&N 359; Guid 412; H&F 456, 466; Psyc 301, 303, 305. For students with a particular interest in consumer services, the following electives are suggested: C&T 332, 339; F&N 356, HEEd 370; H&F 424, 435; Jmnl 331, 360, 370, 391, 397. R-TV 161, 257.

## HOME ECONOMICS (HOME ECONOMICS EDUCATION)

## COLLEGE OF EDUCATION

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSB 201a	3	GSB 201c	3	GSB 201b	3
GSC 101	3	GSC 102	3	GSC 103	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
F&N 105	4	C&T 127	4	C&T 131	3
HEEd 111	2	C&T 135	3	H&F 237	3
	<u>16</u>		<u>17</u>		<u>16</u>

*Second Year*

GSA 101a ..... 3	GSA 101b ..... 3	GSA 101c ..... 3
GSB 211a ..... 3	GSB 211b ..... 3	GSB 211c ..... 3
GSC 209, 202, or 203 ... 3	GSC 204, 205, or 206 ... 3	GSC 207, 208, 201, or 210 ..... 3
GSD 108a or FL ..... 3	GSD 108b or FL ..... 3	GSD 108c or FL ..... 3
GSE 201 ..... 3		
H&F 227 ..... 3	F&N 206 ..... 4	C&T 233 ..... 3
18	16	15

*Third Year*

GSA 201a ..... 3	GSA 201b ..... 3	GSA 201c ..... 3
GSB 301 ..... 3	GSB 331 ..... 3	F&N 321 ..... 3
H&F 331 ..... 3	H&F 341 ..... 4	H&F 324 ..... 2
C&T 360 ..... 4	HEEd 309 ..... 5	C&T 323 ..... 2
Guid 305 ..... 4	Eng 391 <sup>1</sup> ..... 3	C&T 327 ..... 3
		F&N 335 ..... 4
17	18	17

*Fourth Year*

GSA 301 ..... 3	GSA 302 ..... 3	
GSC 301 ..... 3	GSC ..... 3	
H&F 332 ..... 4	F&N 320 ..... 4	HEEd 310 ..... 3
H&F 345 ..... 3	HEd 310 ..... 4	HEEd 311 ..... 2
IM 417 ..... 4	SEd 440 ..... 3	SEd 352b ..... 12
17	17	17

<sup>1</sup> May be waived by B average in GSD 101a, 101b or by examination.

Recommended electives: SEd 310, Guid 422, and EdAd 355.

Optional: A one-hour laboratory course for one credit will be offered for GSA 101b and 101c. Students desiring to register for the laboratory should register in chemistry 101b-1 and 101c-1.

HOME ECONOMICS (INSTITUTION MANAGEMENT)

SCHOOL OF HOME ECONOMICS

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a ..... 3		GSA 101b ..... 3		GSA 101c ..... 3	
				GSB 101b ..... 3	
GSC 101 ..... 3		GSC 102 ..... 3		GSC 103 ..... 3	
GSD 101a ..... 3		GSD 101b ..... 3		GSD 103 ..... 3	
GSD 108a ..... 3		GSD 108b ..... 3		GSD 108c ..... 3	
GSE PE ..... 1		GSE PE ..... 1		GSE PE ..... 1	
FC 000 ..... 0		FC 000 ..... 0		FC 000 ..... 0	
F&N 105 ..... 4		H&F 227 ..... 3			
		Chem 101b ..... 1		Chem 101c ..... 1	
17		17		17	

*Second Year*

GSA 201a ..... 3		GSB 101a ..... 3			
GSA 301 ..... 4		GSB 211a ..... 3		GSB 212b ..... 3	
GSB 101c ..... 3		GSC 209, 202, or 203 ... 3		GSC 204 or 205 ..... 3	
		Acct 251b ..... 4			
Acct 251 ..... 4		F&N 206 ..... 4		F&N 335 ..... 4	
C&T 251 ..... 3				H&F 237 ..... 3	
				Chem 350 ..... 4	
17		17		17	

*Third Year*

F&N 351 .....	3	F&N 352 .....	4	GSB 211c .....	3
F&N 350 .....	3	F&N 320 .....	4	GSC 207, 208, or 201 ..	3
F&N 356 .....	4			F&N 353 .....	3
H&F 331 .....	3	Psyc 320 .....	4	F&N 355 .....	3
Micr 301 .....	5	Mgt 385 .....	4	C&T 327 .....	3
	<hr/>		<hr/>	HEEd 307 .....	3
	18		16		<hr/>
					18

*Fourth Year*

GSA 201b .....	3	GSA 201c <sup>1</sup> .....	3	GSA 302 .....	3
GSB 311 .....	3			GSB 303, 312, or 314 ..	3
GSC 386 .....	3	H&F 332 .....	4	GSC 387 .....	3
GSE 201 <sup>1</sup> .....	3	H&F 341 .....	4	F&N 359 .....	4
F&N 371 <sup>2</sup> .....	6	Micr 422 .....	5	Mgt 371 .....	4
	<hr/>		<hr/>		<hr/>
	18		16		17

<sup>1</sup> Students are encouraged to take the proficiency examination.

<sup>2</sup> It is recommended that students do their field experience during the summer preceding their senior year.

Recommended Electives: C&T 323; Guid 305; H&F 424; Jrl 331; Mgt 271, 371, 382; Psyc 323; R-T 161; Sec 102.

HOME ECONOMICS (INTERIOR DESIGN)

SCHOOL OF HOME ECONOMICS

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSB-1 .....	3	GSB-1 .....	3	GSB-1 .....	3
GSC 101 .....	3	GSC 102 .....	3	GSC 103 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSD 108a <sup>1</sup> .....	3	GSD 108b <sup>1</sup> .....	3	GSD 108c <sup>1</sup> .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
C&T 251 (Fall only) or IEd 112 .....	3	C&T 131 .....	3	C&T 135 .....	3
HEEd 111 <sup>2</sup> .....					
	<hr/>		<hr/>		<hr/>
	16		16		16

*Second Year*

GSA 101a .....	3	GSA 101b and Chem 101b <sup>4</sup> .....	4	GSA 101c and Chem 101c <sup>4</sup> .....	4
GSB 201a .....	3	GSB 201c .....	3	GSB 201b .....	3
GSC 209, 202, 203 .....	3	GSC 204 or 205 .....	3	C&T 231 (alt yrs) .....	3
C&T 390 .....	5	C&T 380 .....	4	C&T 381 .....	4
H&F 227 .....	3	IEd 304a .....	4	H&F 237 .....	3
	<hr/>		<hr/>		<hr/>
	17		18		17

*Third Year*

GSA 201a .....	3	GSA 201b .....	3	GSA 201c .....	3
C&T 300 .....	2-4	GSB-3 .....	3	GSE 201 .....	3
C&T 382 .....	4	C&T 391a .....	5	Art History .....	3-4
F&N-3 <sup>3</sup> .....	5	H&F 341 .....	4	C&T 391b .....	5
	<hr/>		<hr/>	HEEd 306 .....	2
	14-16		15		<hr/>
					16-17

*Fourth Year*

GSA-3 .....	3	GSA-3 .....	3	GSC-3 .....	3
GSB-3 .....	3	GSC-3 .....	3	C&T 395 .....	4
GSC 207 .....	3	C&T 331 (alt yrs) .....	3	Electives .....	9
C&T 391c .....	5	C&T 394 .....	4		
Elective .....	2	Elective .....	3		
	<hr/>		<hr/>		<hr/>
	16		16		16

<sup>1</sup> Students may take GSD, Elementary French, 123a, 123b, 123c instead of GSD 108b and 108c may proficiency out of GSD 108a if qualified.

<sup>2</sup> Recommended if student is in doubt concerning his major.

<sup>3</sup> Recommended courses pending.

<sup>4</sup> Lab to accompany GSA 101b,c.

Suggested Electives: Acct 250, Art 385, art history courses, Des 100, C&T 322, 371, HEEd 111, H&F 324, 333 (or 331 and 332), IEd 304a, Jrnl 370, 260a, 331, 393.

INDUSTRIAL EDUCATION

SCHOOL OF TECHNOLOGY

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a .....	3	GSA 101b .....	3	GSA 101c .....	3
GSD 101a .....	3	GSB 101b .....	3	GSB 101c .....	3
GSD 114a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSE PE .....	1	GSD 114b .....	3	GSD 114c .....	3
USAF .....	0	GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	USAF .....	0	USAF .....	1
IEd 100 .....	2	FC 000 .....	0	FC 000 .....	0
IEd 235a .....	3	IEd 235b .....	3	IEd 327a .....	3
	<hr/>		<hr/>		<hr/>
	15		16		17

*Second Year*

GSA 201a .....	3	GSA 201b .....	3	GSA 201c or 200 .....	3
GSB 101a .....	3	GSB 201a .....	3	GSB 201c .....	3
GSC-2 .....	3	GSC-2 .....	3	GSC-2 .....	3
USAF 200a .....	0	USAF 200a .....	0	GSE 201 .....	3
USAF 210 .....	1	USAF 220 .....	1	USAF 200a .....	0
IEd 312a .....	3	IEd 343a .....	3	IEd elective <sup>1</sup> .....	3
IEd 322a or 320-4 .....	3	IT 332a .....	4	IT 306a .....	3
	<hr/>		<hr/>		<hr/>
	16-17		17		18

*Third Year*

GSB 201b .....	3	GSA-3 .....	3	GSB 331 .....	3
IEd 309a .....	4	IEd elective .....	3	GSC-3 .....	3
IEd elective .....	3	IEd elective .....	3	IEd elective .....	3
Guid 305 .....	4	IEd elective .....	3	IEd elective .....	3
Tech 300a .....	3	SED 310 .....	3	IT 305a or IEd 487 .....	3
	<hr/>	Tech 300b .....	3	Tech 300c .....	3
	17		18		18

*Fourth Year*

GSA-3 .....	3	GSB-3 .....	3	SEd 352 or IEd 435 12-16	
GSC-3 .....	3	IEd elective .....	4		
IEd 491a .....	3	IEd elective .....	3		
IEd elective .....	3	IEd elective .....	4		
IEd elective .....	3	IM 417 .....	4	IEd elective .....	3
Guid 422 .....	3				
	<hr/>		<hr/>		<hr/>
	18		18		15-19

GSC-1, 9 hours missing.

\* Basic curriculum requirements for industrial arts teaching and manual arts therapy. Students specializing in trades and industries teaching or technical teaching will need to make substitutions as required for the specific area of teaching being pursued after consultation with a School of Technology adviser.

<sup>1</sup> Special courses are needed to meet the elected teaching area requirements.

## INDUSTRIAL TECHNOLOGY

## SCHOOL OF TECHNOLOGY

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a .....	3	GSA 101b .....	3	GSA 101c .....	3
GSB 101b .....	3	GSB 101c .....	3	GSB 101a .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSD 114a .....	3	GSD 114b .....	3	GSD 114c .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
USAF 100a .....	0	USAF 100a .....	0	USAF 100a .....	0
				USAF 110 .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
IT 235a .....	3	IT 235b .....	3	IT 305a .....	3
	<u>16</u>		<u>16</u>		<u>17</u>

*Second Year*

GSA 201a .....	3	GSA 201b .....	3	GSA 201c or 200 .....	3
GSB 201a .....	3	GSB 201c .....	3	GSB 201b .....	3
GSC-2 .....	3	GSC-2 .....	3	GSC 208 .....	3
USAF 200a .....	0	USAF 200a .....	0	USAF 200a .....	0
USAF 210 .....	1	USAF 220 .....	1	GSE 201 .....	3
IT 312a .....	3	IT 343a .....	3	IT 327a .....	3
IT 322a .....	3	Mgt 340 .....	4	IT 306a .....	3
	<u>16</u>		<u>17</u>		<u>18</u>

*Third Year*

Mgt 380 .....	4	ET 361 .....	4	GSA 3 .....	3
IT 300a .....	4	Mgt 382 .....	3	GSB 311 .....	3
Tech 300a .....	3	Tech 300b .....	3	Tech 300c .....	3
IT 227a .....	3	IT 343b .....	3	Psyc 320 .....	4
IT Elective .....	3	IT Elective or 227b .....	3	IT Elective .....	3
	<u>17</u>		<u>16</u>		<u>16</u>

*Fourth Year*

IT 318a .....	3	GSC 387 .....	3	GSC 348 .....	3
IT 341a .....	3	GSA-3 .....	3	IT 309a .....	4
GSB 312 .....	3	IT 318b (elec.) .....	3	IT Elective .....	10
IT Elective .....	9	IT Elective .....	9		
	<u>18</u>		<u>18</u>		<u>17</u>

GSC-1, 9 hours missing.

\* Specific courses are needed to meet the elective area requirements. Such courses are selected with the guidance of the School of Technology advisor.

## INTER-AMERICAN STUDIES

## COLLEGE OF LIBERAL ARTS AND SCIENCES

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a .....	3	GSA 101b .....	3	GSA 101c .....	3
GSB 101b .....	3	GSB 101c .....	3	GSB 101a .....	3
GSC 110a .....	3	GSC 110b .....	3	GSC 110c .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSD 140a <sup>1</sup> .....	3	GSD 140b <sup>1</sup> .....	3	GSD 140c <sup>1</sup> .....	3
GSE PE .....	1				
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
	<u>16</u>		<u>15</u>		<u>16</u>

*Second Year*

GSA 201a ..... 3	GSA 201b ..... 3	GSA 201c ..... 3
GSB 211a ..... 3	GSB 211b ..... 3	GSB 211c ..... 3
GSC 202 or 209 ..... 3	GSC 204, 205, or 206 ... 3	GSC 208 ..... 3
GSE 201 ..... 3	GSE PE ..... 1	GSE PE ..... 1
USAF ..... 1	USAF ..... 1	USAF ..... 0
Span 201 ..... 3	Span 202 ..... 3	Span 203 ..... 3
	Elective ..... 3	Elective ..... 3
16	17	16

*Third and Fourth Years*

GSA-3 ..... 3	GSA-3 ..... 3	GSA-3 ..... 3
GSB-3 ..... 3	GSC-3 ..... 3	GSC-3 ..... 3

A student desiring to major in inter-American studies should consult with Professor Albert W. Bork, director of the Latin American Institute as early as possible.

<sup>1</sup>One who has taken Spanish in high school should begin as a freshman with Span 201, 202, 203, and 6 hours of 220 rather than GSD 140a,b,c.

**JOURNALISM**

**SCHOOL OF COMMUNICATIONS**

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a ..... 3		GSA 101b ..... 3		GSA 101c ..... 3	
GSB 101b ..... 3		GSB 101c ..... 3		GSB 101a ..... 3	
GSC 110a ..... 3		GSC 110b ..... 3		GSC 110c ..... 3	
GSD 101a ..... 3		GSD 101b ..... 3		GSD 103 ..... 3	
GSD PE ..... 1		GSE PE ..... 1		GSE PE ..... 1	
FC 000 ..... 0		FC 000 ..... 0		FC 000 ..... 0	
USAF ..... 0		USAF ..... 0		USAF ..... 1	
Jrnl 101 <sup>4</sup> ..... 3		Jrnl 102 <sup>4</sup> ..... 3		Jrnl 103 ..... 3	
16		16		17	

*Second Year*

GSA 201a ..... 3	GSA 201b ..... 3	GSA 201c ..... 3
GSB 211a ..... 3	GSB 211b ..... 3	GSB 211c ..... 3
GSC-2 ..... 3	GSC-2 ..... 3	GSC-2 ..... 3
GSD Math or FL ..... 3	GSD Math or FL ..... 3	GSD Math or FL ..... 3
USAF ..... 1	USAF ..... 1	USAF ..... 0
Jrnl 201 ..... 3	Jrnl 202 ..... 3	Specialization <sup>1</sup> ..... 5
16	16	17

*Third and Fourth Years*

Complete one of the specializations which follow.

<sup>1</sup>One specializing in advertising should take Mktg 230 during his sixth quarter; one specializing in Community Newspaper should take Jrnl 350 plus 2 hours; in Magazine Journalism, Jrnl 297 plus 2 hours; in News and Editorial, Jrnl 303 plus 2 hours.

Govt 330 is an example of a 2-hour elective course suggested for the journalism student at the sophomore-junior level.

The journalism student is urged to take GSB 201a,b,c as junior-year electives in order to be prepared for upper-division courses in sociology, psychology, and anthropology.

**JOURNALISM (ADVERTISING)**

**SCHOOL OF COMMUNICATIONS**

*Third Year*

GSA-3 ..... 3	GSA-3 ..... 3	
GSB-3 ..... 3	GSB-3 ..... 3	GSC-3 ..... 3
GSE 201 ..... 3	GSC-3 ..... 3	
Jrnl 370 ..... 3	Jrnl 372 ..... 5	Jrnl 371 ..... 3
Electives <sup>2</sup> ..... 4	Electives <sup>2</sup> ..... 2	Electives <sup>2</sup> ..... 10
16	16	16

<i>Fourth Year</i>								
Jrnl 373	.....	2	Jrnl 374	.....	3	Jrnl 376	.....	4
Electives <sup>2</sup>	.....	<u>12</u>	Electives <sup>2</sup>	.....	<u>13</u>	Jrnl 399 <sup>3</sup>	.....	1
		14			16	Electives <sup>2</sup>	.....	<u>11</u>
								16

<sup>2</sup> The student must complete 48 hours of journalism courses.

Recommended journalism electives for advertising specialization are 214, 260a, 432, 433.

For the advertising specialization, suggested electives outside journalism include: Econ 307, 317, 355, Mktg 230, 331, 332, 438, Psyc (GSB 202), 305, 320, 321, 322, Soc 305, 306, 320, 321, 333, 335, 338, 340, anthropology, English.

<sup>3</sup> Jrnl 399, Senior Seminar, to be taken in the student's last quarter as an SIU undergraduate.

<sup>4</sup> Jrnl 101 is offered in the fall and spring, and Jrnl 102 is available in winter and summer every year; for the student entering SIU during any other quarter besides fall. 102 may be taken before 101; both must be taken before 103.

#### JOURNALISM (COMMUNITY NEWSPAPER) SCHOOL OF COMMUNICATIONS

<i>Third Year</i>								
FALL	HOURS	WINTER	HOURS	SPRING	HOURS			
GSA-3	.....	3	GSA-3	.....	3			
GSB-3	.....	3	GSB-3	.....	3			
GSE 201	.....	3	GSC-3	.....	3	GSC-3	.....	3
Jrnl 265b(a)	.....	3	Jrnl 265b(b)	.....	3	Jrnl 340	.....	3
Electives <sup>2</sup>	.....	<u>4</u>	Electives <sup>2</sup>	.....	<u>4</u>	Electives <sup>2</sup>	.....	<u>10</u>
		16			16			16
<i>Fourth Year</i>								
Jrnl 351	.....	3	Jrnl 352	.....	3	Jrnl 399 <sup>3</sup>	.....	1
Electives <sup>2</sup>	.....	<u>11</u>	Electives <sup>2</sup>	.....	<u>13</u>	Electives <sup>2</sup>	.....	<u>15</u>
		14			16			16

<sup>2</sup> The student must complete 48 hours of journalism courses. Recommended journalism electives for the community newspaper specialization are 214, 260a (a), 330, 370, 371.

<sup>3</sup> Jrnl 399, Senior Seminar, to be taken in the student's last quarter as an SIU undergraduate.

#### JOURNALISM (MAGAZINE) SCHOOL OF COMMUNICATIONS

<i>Third Year</i>								
FALL	HOURS	WINTER	HOURS	SPRING	HOURS			
GSA-3	.....	3	GSA-3	.....	3			
GSB-3	.....	3	GSB-3	.....	3			
GSE 201	.....	3	GSC-3	.....	3	GSC-3	.....	3
Jrnl 369	.....	3	Jrnl 303	.....	3	Jrnl 340	.....	3
Electives <sup>2</sup>	.....	<u>4</u>	Electives <sup>2</sup>	.....	<u>4</u>	Jrnl 397	.....	3
		16			16	Electives <sup>2</sup>	.....	<u>7</u>
								16
<i>Fourth Year</i>								
Electives <sup>2</sup>	.....	<u>14</u>	Jrnl 398	.....	3	Jrnl 399 <sup>3</sup>	.....	1
		14	Electives <sup>2</sup>	.....	<u>13</u>	Electives <sup>2</sup>	.....	<u>15</u>
					16			16

#### JOURNALISM (NEWS AND EDITORIAL) SCHOOL OF COMMUNICATIONS

<i>Third Year</i>								
GSA-3	.....	3	GSA-3	.....	3			
GSB-3	.....	3	GSB-3	.....	3			
GSE 201	.....	3	GSC-3	.....	3	GSC-3	.....	3
Jrnl 330	.....	3				Jrnl 340	.....	3
Electives <sup>2</sup>	.....	<u>4</u>	Electives <sup>2</sup>	.....	<u>7</u>	Electives <sup>2</sup>	.....	<u>10</u>
		16			16			16

*Fourth Year*

Jrnl 390 .....	3	Jrnl 391 .....	3	Jrnl 399 <sup>3</sup> .....	1
Electives <sup>2</sup> .....	<u>11</u>	Electives <sup>2</sup> .....	<u>13</u>	Electives <sup>2</sup> .....	<u>15</u>
	14		16		16

<sup>2</sup> The student must complete 48 hours of journalism courses.

Recommended journalism electives for the magazine journalism and news and editorial specializations are 214, 260a(a), 370, 432.

For the community newspaper, magazine journalism, and news and editorial specializations suggested electives outside journalism include:

Eng 301, 309a, 309b, 335, 356, 447, 458, Govt 232, 243, 305, 330, 340, 360, 363, 370, 371, 380, 385, 390, 406, 410, 415, 420, Hist 308, 312, 330, 352a, 352b, 352c, 365, 367a, 367b, 367c, 372a, 372b, 401, 405, 411a, 411b, 411c, 415a, 415b, 418, 435a, 435b, 435c, 440, Soc 305, 306, 320, 335, 336, 340, 371, 372, 373, GSB 321, anthropology, economics, foreign language.

<sup>3</sup> Senior Seminar, Jrnl 399, to be taken in the student's last quarter as an SIU undergraduate.

JOURNALISM

COLLEGE OF EDUCATION

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a .....	3	GSA 101b .....	3	GSA 101c .....	3
GSB 101b .....	3	GSB 101c .....	3	GSB 101a .....	3
GSC 110a .....	3	GSC 110b .....	3	GSC 110c .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
Jrnl 101 .....	<u>3</u>	Jrnl 102 .....	<u>3</u>	Jrnl 103 .....	<u>3</u>
	16		16		17

*Second Year*

GSA 201a .....	3	GSA 201b .....	3	GSA 201c .....	3
GSB-2 .....	3	GSB-2 .....	3	GSB-2 .....	3
GSC-2 .....	3	GSC-2 .....	3	GSC-2 .....	3
GSD Math or FL .....	3	GSD Math or FL .....	3	GSD Math or FL .....	3
USAF .....	1	USAF .....	1	USAF .....	0
Jrnl 201 .....	<u>3</u>	Jrnl 202 .....	<u>3</u>	Jrnl 303 .....	<u>3</u>
	16		16	Elective <sup>1</sup> .....	<u>1</u>
					16

*Third Year*

GSA-3 .....	3	GSA-3 .....	3		
GSB-3 .....	3	GSB-3 .....	3		
GSE 201 .....	3	GSC-3 .....	3	GSC-3 .....	3
Electives <sup>1</sup> .....	<u>7</u>	Jrnl 421 .....	<u>4</u>	Electives <sup>1</sup> .....	<u>13</u>
	16	Elective <sup>1</sup> .....	<u>3</u>		16
			16		

*Fourth Year*

Electives <sup>1</sup> .....	<u>16</u>	Jrnl 422 .....	<u>3</u>	Professional .....	<u>16</u>
		Electives <sup>1</sup> .....	<u>13</u>	Quarter	
			16		

<sup>1</sup> Electives should include requirements in the College of Education for the teaching certificate, as well as enough electives in the Department of Journalism curriculum so that the student has 48 hours credit in journalism. These recommended electives include 260a(a), 370, 390, 391. The student should verify the education requirements with a College of Education representative. Besides the journalism major, a minor of at least 30 hours must be completed, from such recommended fields as English, history, speech, theater, Secretarial Business Education.



## MANAGEMENT (FINANCIAL)

## SCHOOL OF BUSINESS

*First Year*

FALL	HOURS	FALL	HOURS	FALL	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB-1 (waive)	0	GSB-1 (waive)	0	GSB-1 (waive)	0
GSB 201a	3	GSB 201c	3	GSB 201b	3
GSC 100 or 101	3	GSC 102	3	GSC 103	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 108a	3	GSD 108b	3	GSD 110	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
	<u>16</u>		<u>16</u>		<u>17</u>

*Second Year*

GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 211a	3	GSB 211b	3	GSE 201	3
GSC-2	3	GSC-2	3	GSC-2	3
A/C 251a	4	A/C 251b	4	A/C 251c	4
Mktg 235	3	Econ 214	3	Econ 215	3
USAF	1	USAF	1	USAF	0
	<u>17</u>		<u>17</u>		<u>16</u>

*Third Year*

Mgt 340	4	Mktg 325	4	Mgt 320	5
Mgt 371	4	Mgt 361	3	Mgt 327	4
GSA-3	3	GSA-3	3	Mgt 473	4
Mgt 380	4	Elective	7	GSB-3	3
	<u>15</u>		<u>17</u>		<u>16</u>

*Fourth Year*

GSC-3	3	GSB-3	3	GSC-3	3
Mgt 475	4	Mgt 421	4	Mgt 481	3
				Mgt 479	4
				Mgt 323	4
Electives	9	Electives	9	Electives	2
	<u>16</u>		<u>16</u>		<u>16</u>

## MANAGEMENT (GENERAL)

## SCHOOL OF BUSINESS

*First Year*

FALL	HOURS	WINTER	HOURS	FALL	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB-1 (waive)	0				
GSB 201a	3	GSB 201c	3	GSB 201b	3
GSC 100 or 101	3	GSC 102	3	GSC 103	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 108a	3	GSD 108b	3	GSD 110	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
	<u>16</u>		<u>16</u>		<u>17</u>

*Second Year*

GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 211a	3	GSB 211b	3	GSE 201	3
GSC-2	3	GSC-2	3	GSC-2	3
A/C 251a	4	A/C 251b	4	A/C 251c	4
Mktg 235	3	Econ 214	3	Econ 215	3
USAF	1	USAF	1	USAF	0
	<u>17</u>		<u>17</u>		<u>16</u>

*Third Year*

Mgt 340 ..... 4	Mktg 325 ..... 4	Mgt 320 ..... 5
Mgt 371 ..... 4	Mgt 361 ..... 3	Mgt 473 ..... 4
GSA-3 ..... 3	GSA-3 ..... 3	Mgt 327 ..... 3
Mgt 380 ..... 4	Electives ..... 7	GSB-3 ..... 3
<u>15</u>	<u>17</u>	<u>16</u>

*Fourth Year*

GSC-3 ..... 3	GSB-3 ..... 3	GSC-3 ..... 3
Mgt 475 ..... 4	Mgt 421 ..... 4	Mgt 481 ..... 3
		Mgt 479 ..... 4
		Mgt 385 ..... 4
Electives ..... 9	Electives ..... 9	Electives ..... 2
<u>16</u>	<u>16</u>	<u>16</u>

MANAGEMENT (PERSONNEL)

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a ..... 3		GSA 101a ..... 3		GSA 101c ..... 3	
GSB-1 (waive) ..... 0					
GSC 100 or 101 ..... 3		GSC 102 ..... 3		GSC 103 ..... 3	
GSD 101a ..... 3		GSD 101b ..... 3		GSD 103 ..... 3	
GSD 108a ..... 3		GSD 108b ..... 3		GSD 110 ..... 3	
GSB 201a ..... 3		GSB 201c ..... 3		GSB 201b ..... 3	
GSE PE ..... 1		GSE PE ..... 1		GSE PE ..... 1	
FC 000 ..... 0		FC 000 ..... 0		FC 000 ..... 0	
USAF ..... 0		USAF ..... 0		USAF ..... 1	
<u>16</u>		<u>16</u>		<u>17</u>	

*Second Year*

GSA 201a ..... 3	GSA 201b ..... 3	GSA 201c ..... 3
GSB 211a ..... 3	GSB 211b ..... 3	GSE 201 ..... 3
GSC-2 ..... 3	GSC-2 ..... 3	GSC-2 ..... 3
A/C 251a ..... 4	A/C 251b ..... 4	A/C 251c ..... 4
Mktg 235 ..... 3	Econ 214 ..... 3	Econ 215 ..... 3
USAF ..... 1	USAF ..... 1	USAF ..... 0
<u>17</u>	<u>17</u>	<u>16</u>

*Third Year*

Mgt 340 ..... 4	Mktg 325 ..... 4	Mgt 385 ..... 4
Mgt 371 ..... 4	Mgt 382 ..... 3	Mgt 320 ..... 5
GSA-3 ..... 3	GSA-3 ..... 3	Mgt 473 ..... 4
Mgt 380 ..... 4	Mgt 361 ..... 3	GSB-3 ..... 3
<u>15</u>	<u>17</u>	<u>16</u>

*Fourth Year*

GSC-3 ..... 3	GSB-3 ..... 3	GSC-3 ..... 3
Mgt 480 ..... 4	Mgt 485 ..... 4	Mgt 481 ..... 3
		Mgt 479 ..... 4
Electives ..... 9	Electives ..... 9	Electives ..... 6
<u>16</u>	<u>16</u>	<u>16</u>

SCHOOL OF BUSINESS

## MARKETING

FALL	HOURS
GSA 101a .....	3
GSB 201a .....	3
GSC 100 or 101 .....	3
GSD 101a .....	3
GSD 108a .....	3
GSE PE .....	1
FC 000 .....	0
USAF .....	0
	<hr/>
	16

*First Year*

WINTER	HOURS
GSA 101b .....	3
GSB 201c .....	3
GSC 102 .....	3
GSD 101b .....	3
GSD 108b .....	3
GSE PE .....	1
FC 000 .....	0
USAF .....	0
	<hr/>
	16

## SCHOOL OF BUSINESS

SPRING	HOURS
GSA 101c .....	3
GSB 201b .....	3
GSC 103 .....	3
GSD 103 .....	3
GSD 110 .....	3
GSE PE .....	1
FC 000 .....	0
USAF .....	1
	<hr/>
	17

*Second Year*

GSA 201a .....	3
GSB 211a .....	3
GSC-2 .....	3
GSE 201 .....	3
USAF .....	1
Acct 251a .....	4
	<hr/>
	17

GSA 201b .....	3
GSB 211b .....	3
GSC-2 .....	3
USAF .....	1
Acct 251b .....	4
Econ 214 .....	3
	<hr/>
	17

GSA 201c .....	3
GSC-2 .....	3
USAF .....	0
Acct 251c .....	4
Econ 215 .....	3
Mktg 225 .....	3
	<hr/>
	16

*Third Year*

GSA-3 <sup>2</sup> .....	3
Mktg 325 .....	4
Mgt 340 .....	4
Mgt 371 .....	4

GSA-3 <sup>2</sup> .....	3
Mgt 320 .....	5

GSB-3 .....	3
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*Fourth Year*

GSC-3 <sup>2</sup> .....	3
Mktg 490 .....	4

GSB-3 <sup>2</sup> .....	3
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GSC-3 <sup>2</sup> .....	3
Mgt 481 .....	4

<sup>1</sup>During his third & fourth years, the student must complete all university and departmental requirements. Departmental requirements (in addition to those shown include Mktg 333, 341, 438, and seventeen additional hours.

<sup>2</sup>During his third & fourth years, the student must elect no less than 18 hours of advanced General Studies courses, to be distributed as follows: Area A, 6 hours; Area B, 6 hours; and Area C, 5 hours.

## MATHEMATICS

FALL	HOURS
GSA-1 (waive) .....	0
GSB-1 .....	3
GSC-1 .....	3
GSD 101a .....	3
GSD 114a <sup>1</sup> .....	3
GSE 201 .....	3
GSE PE .....	1
FC 000 .....	0
USAF .....	0
	<hr/>
	16

*First Year*

WINTER	HOURS
GSA-1 (waive) .....	0
GSB-1 .....	3
GSC-1 .....	3
GSD 101b .....	3
GSD 114b <sup>1</sup> .....	3
GSD 114c <sup>1</sup> .....	3
GSE PE .....	1
FC 000 .....	0
USAF .....	0
	<hr/>
	16

## COLLEGE OF EDUCATION

SPRING	HOURS
GSA-1 (waive) .....	0
GSB-1 .....	3
GSC-1 .....	3
GSD 103 .....	3
Math 150a <sup>1</sup> .....	5
GSE PE .....	1
FC 000 .....	0
USAF .....	1
	<hr/>
	16

*Second Year*

GSA-2 .....	3
GSB 211a .....	3
GSB 201c .....	3
GSC-2 .....	3
USAF .....	1
Math 150b <sup>1</sup> .....	5
	<hr/>
	18

GSA-2 .....	3
GSB 211b .....	3
GSB 331 .....	3
GSC-2 .....	3
USAF .....	1
Math 252a <sup>1</sup> .....	5
	<hr/>
	18

GSA-2 .....	3
GSB 211c .....	3
Guid 305 .....	3
GSC-2 .....	3
USAF .....	0
Math 252b <sup>1</sup> .....	4
	<hr/>
	17

*Third Year*

GSA-3 ..... 3	GSA-3 ..... 3	GSD FL <sup>3</sup> ..... 3
GSD FL <sup>3</sup> ..... 3	GSD FL <sup>3</sup> ..... 3	Math 311 ..... 3
Math 320a ..... 3	Math 320b ..... 3	Math 335b ..... 3
Physics 211a <sup>2</sup> ..... 5	Math 335a ..... 3	Eng 391 or Minor ..... 3
SEd 440 ..... 3	Hist 201 or 202 ..... 3	SEd 310 ..... 4
<hr/>	<hr/>	<hr/>
17	15	16

*Fourth Year*

GSC-3 ..... 3	GSC-3 ..... 3	Student Teaching 352 ..12
Math 480a ..... 4	Math 483 ..... 4	
Math ..... 3	IM 417 ..... 4	
Guid 422 ..... 4		
Minor ..... 3-4	Minor ..... 3-4	Minor ..... 3-5
<hr/>	<hr/>	<hr/>
17-18	17-18	15-17

The student must spend some summers in school in order to complete a teaching minor of 30 hours, to take 16 hours of student teaching, and to take additional mathematics courses which a well-prepared teacher should have. The alternative is to gain credit for some courses by proficiency examinations.

<sup>1</sup>A student may take a proficiency exam for credit in any or all of these courses. He should enroll in 114b, 114c, or 150a during his first quarter as a freshman if his high school background and the advanced mathematics placement test indicate his beginning with a course higher than 114a.

<sup>2</sup>Physics 211a (or 206a) is required for mathematics majors; 211b,c (or 206b,c) are recommended.

<sup>3</sup>French, German, or Russian is the foreign language which the Department of Mathematics requires of its majors. This requirement can also be met by passing an examination or by 3 hours of credit in the intermediate level of one foreign language. FIRST YEAR OPTIONS (in the event it is impossible to enroll in the required General Studies sequences): Foreign language sequence; courses in a possible minor.

SECOND YEAR OPTIONS: Physics; foreign language sequence (if it is not completed during the freshman year); General Studies first level sequences not completed; courses in minor field.

MATHEMATICS

COLLEGE OF LIBERAL ARTS AND SCIENCES

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 (waive) .....	0	GSA-1 (waive) .....	0	GSA-1 (waive) .....	0
GSB-1 .....	3	GSB-1 .....	3	GSB-1 .....	3
GSC-1 .....	3	GSC-1 .....	3	GSC-1 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSD 114a <sup>1</sup> .....	3	GSD 114b <sup>1</sup> .....	3	Math 150a <sup>1</sup> .....	5
Elective .....	3	GSD 114c <sup>1</sup> .....	3		
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	16		16		16

*Second Year*

GSA-2 ..... 3	GSA-2 ..... 3	GSA-2 ..... 3
GSB-2 ..... 3	GSB-2 ..... 3	GSB-2 ..... 3
	GSC-2 ..... 3	GSC-2 ..... 3
		GSE 201 ..... 3
USAF ..... 1	USAF ..... 1	USAF ..... 0
Math 150b <sup>1</sup> ..... 5	Math 252b <sup>1</sup> ..... 5	Math 252b <sup>1</sup> ..... 4
Physics 211a <sup>2</sup> ..... 5		
<hr/>	<hr/>	<hr/>
17	15	16

<i>Third Year</i>		
GSA-3 ..... 3	GSA-3 ..... 3	
GSC-2 ..... 3	Foreign language <sup>3</sup> ..... 3	Foreign language <sup>3</sup> ..... 3
Foreign language <sup>3</sup> ..... 3	Minor ..... 3-5	Minor ..... 3-5
Minor ..... 3-5	Math 305b or other ..... 3	Minor ..... 3-5
Math 305a or other ..... 3	Math 421a or 320a ..... 3	Math 407 or other ..... 3
15-17	15-17	15-17
<i>Fourth Year</i>		
GSB-3 ..... 3	GSB-3 ..... 3	GSC-3 ..... 3
Math 452a ..... 3	Math 452b ..... 3	Math 452c ..... 3
Math ..... 6	Math ..... 3	Math ..... 3
Minor ..... 3-5	Minor ..... 3-5	Minor or Math ..... 3-5
15-17	15-17	15-19

<sup>1</sup>A student may take a proficiency exam for credit in any or all of these courses; he should enroll in Math 114b, 114c, or 150a during his first quarter as a freshman if high school background and advanced mathematics placement test indicate his beginning with a course higher than GSD 114a.

<sup>2</sup>Physics 211a (or 206a) is required for mathematics majors; 211b,c (or 206b,c) are recommended.

<sup>3</sup>French, German, or Russian is recommended as the foreign language.

Each mathematics major must make an appointment with a member of the mathematics faculty to discuss the choice of mathematics courses to be taken during his junior and senior years.

FIRST YEAR OPTIONS (in the event it is impossible to enroll in the required General Studies sequences): Foreign Language; courses in a possible minor.

SECOND YEAR OPTIONS: Physics; Foreign Language (if it is not completed during the freshman year); GS first level sequences not completed; courses in minor field.

**MICROBIOLOGY**

**COLLEGE OF LIBERAL ARTS AND SCIENCES**

<i>First Year</i>					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a (waive) ..... 0		GSA 101b (waive) ..... 0		GSA 101c (waive) ..... 0	
GSA 201a ..... 3		GSA 201b ..... 3		GSA 201c ..... 3	
GSB 101b ..... 3		GSB 101c ..... 3		GSB 101a ..... 3	
GSD 101a ..... 3		GSD 101b ..... 3		GSD 103 ..... 3	
GSD 114a ..... 3		GSD 114b ..... 3		GSD 114c ..... 3	
GSE PE ..... 1		GSE PE ..... 1		GSE PE ..... 1	
Chem 111a ..... 5		Chem 111b ..... 5		Chem 111c ..... 5	
FC 000 ..... 0		FC 000 ..... 0		FC 000 ..... 0	
USAF ..... 0		USAF ..... 0		USAF ..... 1	
18		18		19	
<i>Second Year</i>					
GSB-2 ..... 3		GSB-2 ..... 3		GSB-2 ..... 3	
GSC-2 ..... 3		GSC-2 ..... 3		GSC-2 ..... 3	
Chem 305a ..... 4		Chem 305b ..... 4		Chem 235 ..... 5	
GSE 201 or Micr 301 ..... 3-5		GSE 201 or Micr 301 ..... 3-5		Micr 302 ..... 5	
USAF ..... 1		USAF ..... 1		USAF ..... 0	
Electives ..... 2-4		Electives ..... 2-4			
16-20		16-20		16	

*Third Year*

GSA-3 ..... 3	GSA-3 ..... 3	GSA-3 ..... 3
GSB-3 ..... 3	GSB-3 ..... 3	GSB-3 ..... 3
GSD FL ..... 3	GSD FL ..... 3	GSD FL ..... 3
Micro 425-26 or 403 ... 5	Micr 422 or elective .. 3-5	Micr 423 or elective .. 3-5
Elective ..... 3		
17	17-19	14-16

*Fourth Year*

GSC-3 ..... 3	GSC-3 ..... 3	GSC-3 ..... 3
Micr 425-26 or 403 ..... 5	Phys 206b ..... 5	Phys 206c ..... 5
Phys 206a ..... 5	Micr 451 ..... 6	Math 150a ..... 5
Elective ..... 3-5	Elective ..... 2-4	Micr 441 ..... 6
16-18	16-18	19

A major in microbiology consists of a minimum of 48 hours and must include GSA 201, 202, 203 (5 hrs. credit), biology, Micr 301, 302, 403, 425, 426, 451, 441. Additional courses will be selected from the catalogue with the approval of the departmental adviser. Some suggested courses include the following: Micr 401-1, 422-5, 423-5, 424a-3, 424b-2, Zool 306-4, 320-4, 401-5, 406-4, 407-5, Phsl 430, 431, 432, Bot 355-5.

MUSIC

COLLEGE OF LIBERAL ARTS AND SCIENCES

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a ..... 3		GSA 101b ..... 3		GSA 101c ..... 3	
GSB 101b ..... 3		GSB 101c ..... 3		GSB 101a ..... 3	
GSC-1 (waive) ..... 0		GSC-1 (waive) ..... 0		GSC-1 (waive) ..... 0	
GSD 101a ..... 3		GSD 101b ..... 3		GSD 103 ..... 3	
GSE PE ..... 1		GSE PE ..... 1		GSE PE ..... 1	
FC 000 ..... 0		FC 000 ..... 0		FC 000 ..... 0	
USAF ..... 0		USAF ..... 0		USAF ..... 1	
Mus 105a (theory) ..... 4		Mus 105b (theory) ..... 4		Mus 105c (theory) ..... 4	
Mus (applied major) .. 2		Mus (applied major) .. 2		Mus (applied major) .. 2	
Mus (class piano or ensemble) ..... 1		Mus (class piano or ensemble) ..... 1		Mus (class piano or ensemble) ..... 1	
17		17		18	

*Second Year*

GSA 201a ..... 3	GSA 201b ..... 3	GSA 201c ..... 3
GSB 201a ..... 3	GSB 201c ..... 3	GSB 201b ..... 3
GSC-2 ..... 3	GSC-2 ..... 3	GSC-2 ..... 3
GSD 123a ..... 3	GSD 123b ..... 3	GSD 123c ..... 3
USAF ..... 1	USAF ..... 1	USAF ..... 0
Mus 205a (theory) ..... 3	Mus 205b (theory) ..... 3	Mus 205c (theory) ..... 3
Mus (private applied) 2	Mus (private applied) 2	Mus (private applied) 2
Mus (ensemble or class piano) ..... 1	Mus (ensemble or class piano) ..... 1	Mus (ensemble or class piano) ..... 1
19	19	18

*Third and Fourth Years*

GSE 201 ..... 3	GSA-3 ..... 3	GSA-3 ..... 3	GSB-3 ..... 3
GSA-3 ..... 3	GSC-3 ..... 3	GSC-3 ..... 3	GSC-3 ..... 3
GSB-3 ..... 3			

For information concerning major requirements, consult Professor Roderick Gordon, Old Main 106.

## MUSIC

## SCHOOL OF FINE ARTS

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 .....	3	GSA-1 .....	3	GSA-1 .....	3
GSB-1 .....	3	GSB-1 .....	3	GSB-1 .....	3
GSC-1 (waive) .....	0	GSC-1 (waive) .....	0	GSC-1 (waive) .....	0
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
Mus 105a (theory) .....	4	Mus 105b (theory) .....	4	Mus 105c (theory) .....	4
Mus (applied) .....	2	Mus (applied) .....	2	Mus (applied) .....	2
Mus (ensemble) .....	1	Mus (ensemble) .....	1	Mus (ensemble) .....	1
Mus (class piano) .....	<u>1</u>	Mus (class piano) .....	<u>1</u>	Mus (class piano) .....	<u>1</u>
	18		18		19

*Second Year*

GSA-2 .....	3	GSA-2 .....	3	GSA-2 .....	3
GSB-2 .....	3	GSB-2 .....	3	GSB-2 .....	3
GSC-2 .....	3	GSC-2 .....	3	GSC-2 .....	3
GSD FL .....	3	GSD FL .....	3	GSD FL .....	3
USAF .....	1	USAF .....	1	USAF .....	0
Mus 205a (theory) .....	3	Mus 205b (theory) .....	3	Mus 205c (theory) .....	3
Mus (applied) .....	2	Mus (applied) .....	2	Mus (applied) .....	2
Mus (ensemble) .....	1	Mus (ensemble) .....	1	Mus (ensemble) .....	1
Mus (class piano) .....	<u>1</u>	Mus (class piano) .....	<u>1</u>	Mus (class piano) .....	<u>1</u>
	20		20		19

*Third and Fourth Years*

GSE 201 .....	3				
GSA-3 .....	3	GSA-3 .....	3	GSB-3 .....	3
GSB-3 .....	3	GSC-3 .....	3	GSC-3 .....	3

For information concerning major requirements, consult Professor Roderick Gordon, Old Main 106.

## MUSIC EDUCATION (ELEMENTARY AND SECONDARY)

## COLLEGE OF EDUCATION

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a .....	3	GSA 101b .....	3	GSA 101c .....	3
GSB 101a .....	3	GSB 101b .....	3	GSB 101c .....	3
GSC-1 (waive) .....	0	GSC-1 (waive) .....	0	GSC-1 (waive) .....	0
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
Mus 105 (theory) .....	4	Mus 106 (theory) .....	4	Mus 107 (theory) .....	4
Mus (applied) .....	2	Mus (applied) .....	2	Mus (applied) .....	2
Mus (ensemble) .....	1	Mus (ensemble) .....	1	Mus (ensemble) .....	1
Mus (class piano) .....	<u>1</u>	Mus (class piano) .....	<u>1</u>	Mus (class piano) .....	<u>1</u>
	18		18		19

*Second Year*

GSA 201a ..... 3	GSA 201b ..... 3	GSA 201c ..... 3
GSB 201a ..... 3	GSB 201b ..... 3	GSB 201c ..... 3
	GSC-2 ..... 3	GSC-2 ..... 3
GSD Math or FL ..... 3	GSD Math or FL ..... 3	GSD Math or FL ..... 3
GSE 201 ..... 3		
USAF ..... 1	USAF ..... 1	USAF ..... 0
Mus 205 (theory) ..... 3	Mus 206 (theory) ..... 3	Mus 207 (theory) ..... 3
Mus (applied) ..... 2	Mus (applied) ..... 2	Mus (applied) ..... 2
Mus (ensemble) ..... 1	Mus (ensemble) ..... 1	Mus (ensemble) ..... 1
Mus (class piano) ..... 1	Mus (class piano) ..... 1	Mus (class piano) ..... 1
Mus (class instrument) ..... 1	Mus (class instrument) ..... 1	Mus (class instrument) ..... 1
21	21	20

*Third and Fourth Years*

GSA-3 ..... 3	GSA-3 ..... 3	GSB-3 ..... 3
GSB-3 ..... 3	GSC-3 ..... 3	GSC-3 ..... 3

For information concerning major requirements, consult Professor Roderick Gordon, Old Main 106.

Missing: GSC-2 (3 hours)

**NURSING**

**DEPARTMENT OF NURSING**

*First Year*

*AT CARBONDALE*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS	SUMMER	HOURS
GSA 101a ..... 3		GSA 101b ..... 3		GSA 101c ..... 3		GSA 201a ..... 3	
GSB 201a ..... 3		GSB 201c ..... 3				GSB 201b ..... 3	
GSC-1 ..... 3		GSC-1 ..... 3		GSD 103 ..... 3		GSC-1 ..... 3	
GSD 101a ..... 3		GSD 101b ..... 3		GSD Math or FL 3		GSC 208 ..... 3	
GSD Math or FL 3		GSD Math or FL 3		FC 000 ..... 0		GSE PE ..... 1	
FC 000 ..... 0		FC 000 ..... 0		Chem 101c ..... 1			
		Chem 101b ..... 1		Nurs 101c ..... 1			
Nurs 101a ..... 1		Nurs 101b ..... 1		Phsl 300 ..... 4			
16		17		15		13	

*Second Year*

*AT CARBONDALE*

GSA 201b ..... 3	GSA 201c ..... 3
GSA 301 ..... 4	
GSE 201 ..... 3	GSC-2 ..... 3
GSE PE ..... 1	
Soc 340 ..... 4	F&N 103 ..... 4
15	Micr 301 ..... 5
	15

*AT EAST ST. LOUIS*

GSC-2 ..... 3
GSE PE ..... 1
Nurs 303 ..... 3
Phil 302 ..... 4
Psyc 301 ..... 4
15

*Third Year*

*AT EAST ST. LOUIS*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-3 ..... 3					
GSB-3 ..... 3				GSB-3 ..... 3	
		GSC-3 ..... 3		GSC-3 ..... 3	
Nurs 301 ..... 8		Nurs 302 ..... 8		Nurs 363a ..... 9	
14		Nurs 355 ..... 4		15	
		15		15	

*Fourth Year*

*AT EAST ST. LOUIS*

Hed 355 ..... 4	Nurs 363b ..... 6	Nurs 363c ..... 14
Nurs 325 ..... 8	Nurs 375 ..... 8	Nurs 384 ..... 2
12	14	16

Nursing students should consult with Virginia Harrison about their program as soon



as possible. If they are transfer students, this consultation should be before the first registration. In case the student departs in any way from this curriculum guide it should be only with Miss Harrison's written permission.

Missing: GSB-1 (9 hours).

## PHILOSOPHY

## COLLEGE OF LIBERAL ARTS AND SCIENCES

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 .....	3	GSA-1 .....	3	GSA-1 .....	3
GSB-1 .....	3	GSB-1 .....	3	GSB-1 .....	3
GSC 100 or 101 .....	3	GSC 102 .....	3	GSC 103 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSE PE .....	1				
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
Elective .....	3	Elective .....	3	Elective .....	3
	<u>16</u>		<u>15</u>		<u>16</u>

*Second Year*

GSA 201a .....	3	GSA 201b .....	3	GSA 201c .....	3
GSB-2 .....	3	GSB-2 .....	3	GSB-2 .....	3
GSC-2 .....	3	GSC-2 .....	3	GSC 207 or 208 .....	3
GSD 108a or FL .....	3	GSD 108b or FL .....	3	GSD 108c or FL .....	3
GSE 201 .....	3	GSE PE .....	1	GSE PE .....	1
USAF .....	1	USAF .....	1	USAF .....	0
	<u>16</u>	Elective .....	3	Elective .....	3
			<u>17</u>		<u>16</u>

*Third Year*

GSC 381 .....	3	GSC 382 .....	3	GSC 383 .....	3
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The two third-level courses in each of Areas A and B may be worked in as may be convenient in terms of the rest of the program.

All the rest of the student's program should be worked out on an individual basis in conference with advisers, the major work in consultation with the major adviser in the department. The minor program will vary from student to student and must be worked out with the major adviser and a consultant in the minor department.

## PHOTOGRAPHY

## SCHOOL OF COMMUNICATIONS

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 .....	3	GSA-1 .....	3	GSA-1 .....	3
GSB-1 .....	3	GSB-1 .....	3	GSB-1 .....	3
GSC-1 .....	3	GSC-1 .....	3	GSC-1 .....	3
				GSC-2 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
Art 100a .....	6	Art 100b .....	6		
	<u>19</u>		<u>19</u>		<u>17</u>

*Second Year*

GSA-2 .....	3	GSA-2 .....	3	GSA-2 .....	3
GSB-2 .....	3	GSB-2 .....	3	GSB-2 .....	3
GSC-2 .....	3	GSC-2 .....	3	GSC-2 .....	3
GSD Math or FL .....	3	GSD Math or FL .....	3	GSD Math or FL .....	3
USAF .....	1	USAF .....	1	USAF .....	0
P&P 260a .....	4	P&P 260b .....	4	P&P 260c .....	4
	<u>17</u>		<u>17</u>		<u>16</u>

*Third Year*

GSA, B, C, ..... 6	GSA, B, C, ..... 6	GSA, B, C ..... 3
P&P 341a ..... 4	P&P 341b ..... 4	P&P 341c ..... 3
P&P 309a ..... 4	P&P 309b ..... 4	P&P 309c ..... 4
	Elective ..... 2	P&P 345a ..... 3
		P&P 391 or 392 ..... 3
14	15	16

*Fourth Year*

P&P 345b ..... 3	P&P 303 ..... 4	P&P 391 or 392 ..... 3
P&P 360a ..... 3	GSA, B, or C ..... 3	
Elective ..... 8	Elective ..... 7	Elective ..... 12
14	14	15

\* Some options in the major are available in the junior and senior years. The student should consult the department chairman about these options.

PHYSICAL EDUCATION (MEN)

COLLEGE OF EDUCATION

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1	3	GSA-1	3	GSA-1	3
GSB-1	3	GSB-1	3	GSB-1	3
GSC-1	3	GSC-1	3	GSC-1	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 108a	3	GSD 108b	3	GSD 108c	3
PEM 181 <sup>1</sup>	1	PEM 182 <sup>1</sup>	1	PEM 183 <sup>1</sup>	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
PEM	1	PEM	1	PEM	1
	17		17		18

*Second Year*

GSA-2	3	GSA-2	3	GSA-2	3
GSA 301	4				
GSB-2	3	GSB-2	3	GSB-2	3
GSC-2	3	GSC-2	3	GSC-2	3
				GSE 201	3
USAF	1	USAF	1	USAF	0
PEM <sup>2</sup>	3	PEM <sup>2</sup>	3	PEM 303	5
	16	Phsl 300	4		
			17		17

*Third Year*

GSA-3	3	GSB-3	3		
GSB 331	3	GSC-3	3	GSC-3	3
		PEM	4	PEM	6
PEM	8	Education	4	Education	3
Education	4	Elective	3	Minor	6
	18		17		18

*Fourth Year*

PEM	5	PEM	2	Student Teaching	12
Minor	12	Minor	12	Education	3
	17	Education	3		
			17		15

<sup>1</sup> PEM 181, 182, 183 satisfy the GSE requirement.

<sup>2</sup> 101-2 during fall or winter of second year.

## PHYSICAL EDUCATION (WOMEN)

## COLLEGE OF EDUCATION

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 .....	3	GSA-1 .....	3	GSA-1 .....	3
GSB-1 .....	3	GSB-1 .....	3	GSB-1 .....	3
GSC-1 .....	3	GSC-1 .....	3	GSC-1 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSD Math .....	3	GSD Math .....	3	GSD Math .....	3
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
PEW 114 <sup>1</sup> .....	1	PEW 113 <sup>1</sup> .....	1	PEW 211 <sup>1</sup> .....	1
PEW 222 .....	1	PEW <sup>2</sup> .....	1	PEW 228 .....	1
	<u>17</u>		<u>17</u>		<u>17</u>

*Second Year*

GSA-2 .....	3	GSA-2 .....	3	GSA-2 .....	3
GSB 201a .....	3	GSB 201c .....	3	GSB 201b .....	3
GSB 331 .....	3				
GSC-2 .....	2	GSC-2 .....	3		
GSE 201 .....	3	GSC-2 .....	3	SEd 310 .....	4
PEW 212 and 244 .....	2	Guid 305 .....	4	PEW 350 .....	5
PEW <sup>2</sup> .....	2	PEW 224 and 242 .....	2	PEW 355 .....	3
	<u>18</u>		<u>18</u>		<u>18</u>

*Third Year*

GSA-301 .....	4			GSC-3 .....	3
PEW 352 .....	2	PEW 304c .....	2	PEW 353 .....	4
PEW 354 .....	2	PEW 308 .....	5	PEW 304e .....	2
PEW 304a .....	2	PEW 351 .....	4	PEW 303 .....	5
PEW 304b .....	2	PEW 311B or 376 or		Eng 391 or proficiency..	3
PEW 370 .....	4	GSE 113d .....	1		
PEW 311A or 374 .....	1	PEW 304d .....	2		
		Phsl 300 .....	4		
	<u>17</u>		<u>18</u>		<u>17</u>

*Fourth Year*

GSA-3 .....	3			Student teaching .....	16
GSB-3 .....	3	GSC-3 .....	3		
HEd 334 .....	4	Hist 203 or GSB 211b..	4		
HEd 460 .....	4	IM 417 or elective .....	4		
PEW <sup>2</sup> .....	1	Elective .....	3		
	<u>15</u>		<u>14</u>		<u>16</u>

<sup>1</sup> PEW 114, 113 and 211 satisfy the GSE-1 requirement.

<sup>2</sup> Must take one of the following: GSE 114a,b,m,e,i, or PEW 317.

## PHYSICS

## COLLEGE OF EDUCATION OR LIBERAL ARTS AND SCIENCES

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 (waive) .....	0	GSA-1 (waive) .....	0	GSA-1 (waive) .....	0
GSB 101b .....	3	GSB 101c .....	3	GSB 101a .....	3
				GSC-1 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSD 114a <sup>1</sup> .....	3	GSD 114b <sup>1</sup> and 114c ..	6	Math 150a .....	5
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
Chem 111a .....	5	Chem 111b .....	5		
	<u>15</u>		<u>18</u>		<u>16</u>

*Second Year*

GSA-2 ..... 3	GSA-2 ..... 3	GSA-2 ..... 3
GSC-1 ..... 3	GSC-1 ..... 3	GSB 201a ..... 3
USAF ..... 1	USAF ..... 1	GSE 201 ..... 3
Math 150b ..... 5	Math 252a ..... 5	USAF ..... 0
Phys 211a ..... 5	Phys 211b ..... 5	Math 252b ..... 4
<u>17</u>	<u>17</u>	Phys 211c ..... 5
		<u>18</u>

*Third Year*

GSB 201c ..... 3	GSB 201b ..... 3	
GSC-2 ..... 3		GSC-2 ..... 3
GSC-2 ..... 3		
GSD FL <sup>2</sup> ..... 3	GSD FL ..... 3	GSD FL ..... 3
Phys 301a ..... 4	Phys 301b ..... 4	
	Phys 305a ..... 5	Phys 305b ..... 5
Math 305a ..... 3	Math 305b ..... 3	Math 407 ..... 3
<u>19</u>	<u>18</u>	Phys 310 ..... 5
		<u>19</u>

*Fourth Year*

GSA-3 ..... 3	GSA-3 ..... 3	
GSC-3 ..... 3	GSC-3 ..... 3	GSB-3 ..... 3
Phys 413a ..... 4	Phys 413b ..... 4	Phys 414 or 450 ..... 5
Phys 405 ..... 5	Phys 304 ..... 3	Elective ..... 6
Elective <sup>3</sup> ..... 3	Elective <sup>3</sup> ..... 3	Elective <sup>3</sup> ..... 3
<u>18</u>	<u>19</u>	<u>17</u>

<sup>1</sup> If a student receives advanced standing in GSD 114a, he should take 114b fall quarter.

<sup>2</sup> German or Russian

<sup>3</sup> Suggested Electives: for theoretical physicists Math 452, 453, 454; for others a year of foreign language.

PHYSIOLOGY (PROFESSIONAL) COLLEGE OF LIBERAL ARTS AND SCIENCES

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 (waive) ..... 0		GSA-1 (waive) ..... 0		GSA-1 (waive) ..... 0	
GSA 201a ..... 3		GSA 201b ..... 3		GSA 201c ..... 3	
GSD 101a ..... 3		GSD 101b ..... 3		GSD 103 ..... 3	
GSD Math ..... 3		GSD Math ..... 3		GSD Math ..... 3	
GSD FL ..... 3		GSD FL ..... 3		GSD FL ..... 3	
GSE PE ..... 1		GSE PE ..... 1		GSE PE ..... 1	
FC 000 ..... 0		FC 000 ..... 0		FC 000 ..... 0	
USAF ..... 0		USAF ..... 0		USAF ..... 1	
Chem 111a ..... 5		Chem 111b ..... 5		Chem 111c ..... 5	
<u>18</u>		<u>18</u>		<u>19</u>	

*Second Year*

GSB-1 ..... 3	GSB-1 ..... 3	GSB-1 ..... 3
GSC-1 ..... 3	GSC-1 ..... 3	GSC-1 ..... 3
USAF ..... 1	USAF ..... 1	USAF ..... 0
Chem 305a ..... 4	Chem 305b ..... 4	Chem 235 ..... 5
Zool 103 ..... 5	Zool 202 ..... 5	Zool 300 ..... 5
<u>16</u>	<u>16</u>	<u>16</u>

*Third Year*

GSB-2 ..... 3	GSB-2 ..... 3	GSB-2 ..... 3
GSC-2 ..... 3	GSC-2 ..... 3	GSC-2 ..... 3
Phys 206a ..... 5	Phys 206b ..... 5	Phys 206c ..... 5
Phsl 315a ..... 5	Phsl 315b ..... 5	Phsl 315c ..... 5
<u>16</u>	<u>16</u>	<u>16</u>



PRINTING MANAGEMENT

SCHOOL OF COMMUNICATIONS

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 .....	3	GSA-1 .....	3	GSA-1 .....	3
GSB-1 .....	3	GSB-1 .....	3	GSB-1 .....	3
GSC-1 .....	3	GSC-1 .....	3	GSC-1 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD Math .....	3
GSD Math .....	3	GSE PE .....	1	GSE PE .....	1
GSE PE .....	1	FC 000 .....	0	FC 000 .....	0
FC 000 .....	0	USAF .....	0	USAF .....	1
USAF .....	0			P&P 217 .....	4
	<hr/>		<hr/>		<hr/>
	16		16		18

*Second Year*

GSA-2 .....	3	GSA-2 .....	3	GSA-2 .....	3
GSB 211a .....	3	GSB 211b .....	3	GSB 211c .....	3
GSC-2 .....	3	GSC-2 .....	3	GSC-2 .....	3
GSD 103 .....	3	GSE 201 .....	3	USAF .....	0
USAF .....	1	USAF .....	1	P&P 271a & 314 .....	6
P&P 265a .....	3	P&P 271a .....	4		
	<hr/>		<hr/>		<hr/>
	16		17		15

*Third Year*

GSA-3 .....	3	P&P 302 .....	3	GSA-3 .....	3
GSB-3 .....	3	P&P 308b .....	3	Elective .....	2
P&P 308a .....	4	P&P 365 .....	3	P&P 366 .....	3
P&P 312 .....	3	Accounting 250 .....	5	Marketing 225 .....	3
Economics 214 .....	3	Economics 215 .....	3	Economics 310 .....	4
	<hr/>		<hr/>		<hr/>
	16		17		15

*Fourth Year*

GSC-3 .....	3	GSB-3 .....	3	P&P 379c .....	3
P&P 381a .....	3	GSC-3 .....	3	P&P 384 .....	3
P&P 379a .....	3	P&P 381b .....	3	P&P 379b .....	3
Mgt 340 .....	4	P&P 379b .....	3	Mgt 385 .....	4
Mgt 371 .....	4	Mgt 380 .....	5	Elective .....	3
	<hr/>		<hr/>		<hr/>
	17		17		13

PSYCHOLOGY

COLLEGE OF LIBERAL ARTS AND SCIENCES

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 .....	3	GSA-1 .....	3	GSA-1 .....	3
GSB-1 .....	3	GSB-1 .....	3	GSB-1 .....	3
GSC-1 .....	3	GSC-1 .....	3	GSC-1 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSD Math or FL .....	3	GSD Math or FL .....	3	GSD Math or FL .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
	<hr/>		<hr/>		<hr/>
	16		16		17

*Second Year*

GSA-2 .....	3	GSA-2 .....	3	GSA-2 .....	3
GSB 201a .....	3	GSB 201c .....	3	GSB 201b .....	3
GSC-2 .....	3	GSC-2 .....	3	GSC-2 .....	3
GSD Math or FL .....	3	GSD Math or FL .....	3	GSD Math or FL .....	3
GSE 201 .....	3	Psyc 211a .....	4	Psyc 211b .....	4
USAF .....	1	USAF .....	1	USAF .....	0
	<hr/>		<hr/>		<hr/>
	16		17		16

*Third and Fourth Years*

Students declaring a major in psychology must see Dr. Carrier for assignment to a department adviser.

Required General Studies courses are:

GSA 301 .....	3	GSA-3 <sup>1</sup> .....	3	GSB-3 .....	3
GSB-3 .....	3	GSC-3 .....	3	GSC-3 .....	3

The 43-hour major may be completed by following one of two sequences: a pregraduate sequence (for students planning to do graduate work in psychology) or a terminal sequence (for students planning no graduate work in psychology). Required in both sequences, and counting toward the 43 hours, are GSB 201b and Psychology 211a,b; required in both, but not counting toward the 43 hours, is GSA 301.

<sup>1</sup>In addition, GSA 302 is strongly recommended as an elective.

Additional psychology courses required of majors in the two sequences are indicated below. Where options are indicated, courses should be chosen by the student in consultation with his department adviser.

Pregraduate Sequence:

311 and at least *one*: 312, 313, 314  
 At least *two*: 301, 303, 304, 305, 307, 320, 322  
 At least *two*: 404, 406, 407, 408, 409, 421, 431, 440, 451, 461, 471

Terminal Sequence:

Select from: 301, 303, 304, 305, 307, 311, 312, 313, 314, 320, 322, 404, 406, 407, 408, 409, 421, 431, 440, 451, 461, 471, including at least three from the 400 level.

Courses 323, 420, 432, 433, 438, and 465 may *not* be used to satisfy the major requirements, but are acceptable for the minor.

## RADIO-TELEVISION

## SCHOOL OF COMMUNICATIONS

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 .....	3	GSA-1 .....	3	GSA-1 .....	3
GSB-1 .....	3	GSB-1 .....	3	GSB-1 .....	3
GSC-1 .....	3	GSC-1 .....	3	GSC-1 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSD Math or FL .....	3	GSD Math or FL .....	3	GSD Math or FL .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
	<u>16</u>		<u>16</u>		<u>17</u>

*Second Year*

GSA-2 .....	3	GSA-2 .....	3	GSA-2 .....	3
GSB-2 .....	3	GSB-2 .....	3	GSB-2 .....	3
GSC-2 .....	3	GSC-2 .....	3	GSC-2 .....	3
GSE 201 .....	3	USAF .....	1	USAF .....	0
USAF .....	1				
R-T 161, 367, 257, 351 <sup>1</sup> .....	4	R-T 161, 251, 373, 367, or electives <sup>1</sup> .....	6	R-T 161, 251, 257, 351, 367, 373, 393, or electives <sup>1</sup> .....	8
	<u>17</u>		<u>16</u>		<u>17</u>

*Third Year*

GSA-3 .....	3	GSA-3 .....	3		
GSB-3 .....	3	GSB-3 .....	3		
GSC-3 .....	3	GSC-3 .....	3		
R-T .....	4	R-T .....	4	R-T .....	4
Minor (nonrelated) .....	4	Minor (nonrelated) .....	4	Minor (nonrelated) .....	8
	<u>17</u>		<u>17</u>	Minor (related) .....	5
					<u>17</u>

*Fourth Year*

R-T .....	8	R-T .....	7	R-T .....	3
Minor (nonrelated) ...	8	Minor (related) .....	10	Minor (related) .....	9
	<hr/>		<hr/>	Electives .....	4
	16		17		<hr/>
					16

<sup>1</sup>Students should take 161 and 367 as soon as possible. These admit to most other courses. Other required courses for the R-T major are 251, 257, 351, 373-8, and 393. Electives within the major total minimum of 19. The related minor means related to the field of R-T and must be approved by Mr. Mofield; the non-related minor is one not directly related to R-T preferably in the liberal arts, but may be education, etc., to qualify for teaching in the public schools. This also must be approved by Mr. Mofield.

RECREATION AND OUTDOOR EDUCATION

COLLEGE OF EDUCATION

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 .....	3	GSA-1 .....	3	GSA-1 .....	3
GSB-1 .....	3	GSB-1 .....	3	GSB-1 .....	3
GSC-1 .....	3	GSC-1 .....	3	GSC-1 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD Math .....	3
GSD Math .....	3	GSD Math .....	3	GSE PE .....	1
GSE PE .....	1	GSE PE .....	1	FC 000 .....	0
FC 000 .....	0	FC 000 .....	0	USAF .....	1
USAF .....	0	USAF .....	0	Rec 100 .....	3
	<hr/>		<hr/>		<hr/>
	16		16		17

*Second Year*

GSA-2 .....	3	GSA-2 .....	3	GSA-2 .....	3
GSB-2 .....	3	GSB-2 .....	3	GSB-2 .....	3
GSC-2 .....	3	GSC-2 .....	3	GSC-2 .....	3
GSE 201 .....	3	Acct 250 <sup>1</sup> .....	4	GSD 103 .....	3
Rec 201 .....	4	Rec 202 .....	4	Mgt 170 <sup>1</sup> .....	4
USAF .....	1	USAF .....	1	USAF .....	0
	<hr/>		<hr/>		<hr/>
	17		18		16

*Third Year*

GSA 302 .....	3	GSA 312 .....	3	Rec 220 .....	4
GSB 331 or 303 .....	3	GSB 212 .....	3	Rec 230 .....	4
GSC 313 .....	3	GSB 321 .....	3	Rec 302 .....	4
Rec 301 .....	4	GSC-3 .....	3	Govt 232 <sup>1</sup> .....	5
Mus 307 .....	4	Rec 365 <sup>1</sup> .....	2		<hr/>
	<hr/>	HEd 334 .....	4		17
	17		<hr/>		
			18		

*Fourth Year*

Rec 315 .....	4	Rec 310 .....	3	Rec 305 .....	4
Electives <sup>2</sup> .....	4	Electives <sup>2</sup> .....	8	Electives <sup>2</sup> .....	8
Rec 360 <sup>1</sup> .....	4	Field recreation <sup>3</sup> .....	6	Field recreation <sup>3</sup> .....	6
Guid 305 .....	4		<hr/>		<hr/>
	<hr/>		17		18
	16				

<sup>1</sup>Institutional recreation majors must contact the Department for a course to be substituted for this course. In addition, it is recommended that 203, 204, and 207 be selected as GSC requirements for the second level.

<sup>2</sup>Electives may be chosen from the department's brochure or with consent of the department.

<sup>3</sup>Must have consent of the department.



SECRETARIAL STUDIES

SCHOOL OF BUSINESS

*First Year*

FALL	HOURS
GSA 101a .....	3
GSB 101b .....	3
GSC-1 .....	3
GSD 101a .....	3
GSD 108a or 114a .....	3
GSE PE .....	1
FC 000 .....	0
USAF .....	0
	<u>16</u>

WINTER	HOURS
GSA 101b .....	3
GSB 101c .....	3
GSC-1 .....	3
GSD 101b .....	3
GSD 108b or 114b .....	3
GSE PE .....	1
FC 000 .....	0
USAF .....	0
	<u>16</u>

SPRING	HOURS
GSA 101c .....	3
GSB 101a .....	3
GSC-1 .....	3
GSD 103 .....	3
GSD 110 .....	3
GSE PE .....	1
FC 000 .....	0
USAF .....	1
	<u>17</u>

*Second Year*

GSA 201a .....	3
GSB 211a .....	3
GSC-2 .....	3
GSE 201 .....	3
USAF .....	1
Acct 251a .....	4
	<u>17</u>

GSA 201b .....	3
GSB 211b .....	3
GSC-2 .....	3
Econ 214 .....	3
USAF .....	1
Acct 251b .....	4
	<u>17</u>

GSA 201c or 200 .....	3
GSB 211c .....	3
GSC-2 .....	3
Econ 215 .....	3
USAF .....	0
Acct 251c .....	4
	<u>16</u>

*Third Year*

GSA-3 .....	3
Sec 241 .....	1
Mgt 385 .....	4
Mktg 225 .....	3
Eng 300 .....	4
	<u>15</u>

GSA-3 .....	3
Sec 341 .....	4
Mgt 340 .....	4
Mktg 325 .....	4
	<u>15</u>

GSB 311 .....	3
Sec 304 <sup>1</sup> .....	3
Mgt 271 .....	4
Mgt 371 .....	4
Elective .....	2
	<u>16</u>

*Fourth Year*

GSB-3 .....	3
Sec 324a <sup>1</sup> .....	4
Sec 407 .....	4
Mgt 372 or 373 .....	4
	<u>15</u>

GSC-3 .....	3
Sec 324b .....	4
Mgt 361 .....	3
Mgt 320 .....	5
	<u>15</u>

GSC-3 .....	3
Sec 326 .....	4
Mgt 481 .....	3
Elective .....	6
	<u>16</u>

<sup>1</sup> Students who have not had elementary courses in typewriting and/or shorthand must take one or more of the following courses before taking Sec 304 or 324a: Sec 201a,b,c, 221a, b, c.

SMALL BUSINESS MANAGEMENT

SMALL BUSINESS INSTITUTE

*First Year*

FALL	HOURS
GSA 101a .....	3
GSB 101b .....	3
GSC 100 or 101 .....	3
GSD 101a .....	3
GSD 108a or 114a .....	3
GSE PE .....	1
FC 000 .....	0
USAF .....	0
	<u>16</u>

WINTER	HOURS
GSA 101b .....	3
GSB 101c .....	3
GSC 102 .....	3
GSD 101b .....	3
GSD 108b or 114b .....	3
GSE PE .....	1
FC 000 .....	0
USAF .....	0
	<u>16</u>

SPRING	HOURS
GSA 101c .....	3
GSB 101a .....	3
GSC 103 .....	3
GSD 103 .....	3
GSD 110 .....	3
GSE PE .....	1
FC 000 .....	0
USAF .....	1
	<u>17</u>

*Second Year*

GSA 201a .....	3
GSB 211a .....	3
GSC-2 .....	3
GSE 201 .....	3
USAF .....	1
Acct 251a .....	4
	<u>17</u>

GSA 201b .....	3
GSB 211b .....	3
GSC-2 .....	3
USAF .....	1
Acct 251b .....	4
Econ 214 .....	3
	<u>17</u>

GSA 201c .....	3
GSB 211c .....	3
GSC-2 .....	3
USAF .....	0
Acct 251c .....	4
Econ 215 .....	3
	<u>16</u>

*Third Year*

GSA-3 .....	3	GSA-3 .....	3	GSA-3 .....	3
GSB-3 .....	3	GSC-3 .....	3	GSC-3 .....	3
Mktg 225 .....	3	Mktg 325 .....	4	Mktg 337 .....	4
Mgt 371 .....	4	Elective .....	6	Mgt 320 .....	5
Elective .....	3				
	<u>16</u>		<u>16</u>		<u>15</u>

*Fourth Year*

Mgt 364 <sup>1</sup> .....	4-12	Mktg 333 .....	4	Mgt 472 .....	5
Mgt 340 .....	4	Mgt 481 .....	3	Mgt 360 .....	5
		Mgt 327 .....	4	Mgt 421 .....	4
Electives .....	0-8	Electives .....	5	Elective .....	3
	<u>16</u>		<u>16</u>		<u>17</u>

<sup>1</sup>Normally taken during summer quarter; fall quarter schedule adjusted accordingly.  
 Note: For some fields electives will be at least partially used for technical (non-business) courses related to the business interest, and in some cases it is desirable to start these courses prior to the third year. The Small Business Institute will work with General Studies advisers in such instances. Adequate preparation in some areas will require more than twelve quarters.

**SOCIAL STUDIES**

**COLLEGE OF EDUCATION**

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a .....	3	GSA 101b .....	3	GSA 101c .....	3
GSB 101b .....	3	GSB 101c .....	3	GSB 101a .....	3
GSC-1 .....	3	GSC-1 .....	3	GSC-1 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSD Math .....	3	GSD Math .....	3	GSD 110 .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
	<u>16</u>		<u>16</u>		<u>17</u>

*Second Year*

GSA 201a .....	3	GSA 201b .....	3	GSA 201c .....	3
GSB 201a .....	3	GSB 201c .....	3	GSB 201b .....	3
GSB 211a .....	3	GSB 211b .....	3	GSE 201 .....	3
GSC-2 .....	3	GSC-2 .....	3	GSC-2 .....	3
USAF .....	1	USAF .....	1	USAF .....	0
				Econ 214 .....	3
Hist 201a .....	3	Hist 201b .....	3	Hist 201c .....	3
	<u>16</u>		<u>16</u>		<u>16</u>

The social studies field major consists of 96 hours in history, economics, government, sociology, and geography. Twenty-four hours must be in history, 24 in each of two other areas, and 12 in each of the remaining two areas. No minor is required. The history sequence and two other 24-hour sequences must be selected from the following five sequences.

- 1) History: GSB 101a,b, Hist 201a,b,c, 3 hours of world history, and 6 hours of American history.
  - 2) Economics: GSB 211a, Econ 214, 215, and 15 hours of electives.
  - 3) Government: GSB 211b,c, Govt 232, and 13 hours of electives.
  - 4) Sociology: GSB 201b, a third-level GSB course for 3 hours, and 18 hours of electives.
  - 5) Geography: GSB 101c, Geog 304, 306, 308, and 10 hours of electives.
- For third and fourth years, consult Dr. Claude Dykhouse, College of Education, Academic Advisement.

## SOCIOLOGY (GENERAL)

## COLLEGE OF LIBERAL ARTS AND SCIENCES

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 .....	3	GSA-1 .....	3	GSA-1 .....	3
GSB-1 .....	3	GSB-1 .....	3	GSB-1 .....	3
GSC-1 .....	3	GSC-1 .....	3	GSC-1 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSD 108a <sup>1</sup> .....	3	GSD 108b <sup>1</sup> .....	3	GSD 108c <sup>1</sup> .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
	<u>16</u>		<u>16</u>		<u>17</u>

*Second Year*

GSA 201a .....	3	GSA 201b .....	3	GSA 201c .....	3
GSB 201a .....	3	GSB 201c .....	3	GSB 201b .....	3
GSC-2 .....	3	GSC-2 .....	3	GSC-2 .....	3
GSD FL .....	3	GSD FL .....	3	GSD FL .....	3
GSE 201 .....	3	Elective .....	4	Elective .....	4
USAF .....	1	USAF .....	1	USAF .....	0
	<u>16</u>		<u>17</u>		<u>16</u>

*Third Year*

GSA-3 .....	3	GSA-3 .....	3	Electives .....	16
GSB 321 .....	3	GSB-3 .....	3		
GSC-3 .....	3	GSC-3 .....	3		
Electives .....	6	Electives .....	7		
	<u>15</u>		<u>16</u>		<u>16</u>

*Fourth Year*

Soc 407 .....	4	Soc 400 .....	2	Soc 451 .....	4
Soc 412 .....	5				
Electives .....	3	Electives .....	4	Electives .....	4
	<u>15</u>		<u>16</u>		<u>16</u>

<sup>1</sup> Students who have had at least one and a half years of high school algebra should take Math 220 instead.

In selecting electives, the student should complete 42 hours of sociology courses whose second digit is not eight and should take a minor consisting of 24 hours.

## SOCIOLOGY (SOCIAL WORK)

## COLLEGE OF LIBERAL ARTS AND SCIENCES

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 .....	3	GSA-1 .....	3	GSA-1 .....	3
GSB-1 .....	3	GSB-1 .....	3	GSB-1 .....	3
GSC-1 .....	3	GSC-1 .....	3	GSC-1 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSD 108a <sup>1</sup> .....	3	GSD 108b <sup>1</sup> .....	3	GSD 108c <sup>1</sup> .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
	<u>16</u>		<u>16</u>		<u>17</u>

*Second Year*

GSA 201a .....	3	GSA 201b .....	3	GSA 201c .....	3
GSB 201a .....	3	GSB 201c .....	3	GSB 201b .....	3
GSC-2 .....	3	GSC-2 .....	3	GSC-2 .....	3
GSD FL .....	3	GSD FL .....	3	GSD FL .....	3
GSE 201 .....	3	Elective .....	3	Elective .....	4
USAF .....	1	USAF .....	1	USAF .....	0
	<u>16</u>		<u>16</u>		<u>16</u>

*Third Year*

GSA-3 ..... 3	GSA-3 ..... 3	Soc elective ..... 3
GSB 321 ..... 3	GSB-3 ..... 3	Soc elective ..... 3
GSC-3 ..... 3	GSC-3 ..... 3	Govt elective ..... 3
Soc 380 ..... 4	Govt elective ..... 4	Econ elective ..... 3
Soc 383 ..... 4	Minor elective ..... 4	Minor elective ..... 4
<u>17</u>	<u>17</u>	<u>16</u>

*Fourth Year*

Soc 407 ..... 4	Soc 400 ..... 2	Soc 482 ..... 3
Soc 412 ..... 5	Soc 481 ..... 4	Electives ..... <u>12</u>
Electives ..... 6	Electives ..... 9	<u>15</u>
<u>15</u>	<u>15</u>	<u>15</u>

<sup>1</sup> Students who have had at least one and a half years of high school algebra should take Math 220 instead.

**SPEECH**

*First Year*

FALL	HOURS	WINTER	HOURS
GSA 101a ..... 3		GSA 101b ..... 3	
GSB 101b ..... 3		GSB 101c ..... 3	
GSC-1 ..... 3		GSC-1 ..... 3	
GSD 101a ..... 3		GSD 101b ..... 3	
GSD Math or FL ..... 3		GSD Math or FL ..... 3	
GSE PE ..... 1		GSE PE ..... 1	
FC 000 ..... 0		FC 000 ..... 0	
USAF ..... 0		USAF ..... 0	
<u>16</u>		<u>16</u>	

*Second Year*

GSA-2 ..... 3	GSA-2 ..... 3
GSB-2 ..... 3	GSB 201c ..... 3
GSC-2 ..... 3	GSC-2 ..... 3
GSE 201 ..... 3	
USAF ..... 1	USAF ..... 1
Spch 102 ..... 4	Spch 202 ..... 3
<u>17</u>	Spch 103 ..... 4
	<u>17</u>

*Third Year*

GSA-3 ..... 3	GSA-3 ..... 3
GSB 331 ..... 3	GSB-3 ..... 3
GSC-3 ..... 3	GSC-3 ..... 3
Guid 305 ..... 4	Spch 427 ..... 4
Spch 205 ..... 4	Education ..... 4
<u>17</u>	<u>17</u>

*Fourth Year*

Spch 306 ..... 4	SpCr 428 ..... 4
Eng 391 ..... 4	Elective ..... 3
Thea 402a ..... 4	Electives ..... 6
SEd ..... 4	Education ..... 3
<u>16</u>	<u>16</u>

**COLLEGE OF EDUCATION**

SPRING	HOURS
GSA 101c ..... 3	
GSB 101a ..... 3	
GSC-1 ..... 3	
GSD 103 ..... 3	
GSD Math or FL ..... 3	
GSE PE ..... 1	
FC 000 ..... 0	
USAF ..... 1	
<u>17 or 18</u>	

GSA-2 ..... 3	GSA-2 ..... 3
GSB-2 ..... 3	GSB-2 ..... 3
GSC-2 ..... 3	GSC-2 ..... 3
USAF ..... 0	USAF ..... 0
Spch 209 ..... 1	Spch 209 ..... 1
Spch 200 ..... 4	Spch 200 ..... 4
Thea 111a, 111b, 111c ..... 3	Thea 111a, 111b, 111c ..... 3
<u>17</u>	<u>17</u>

Spch 408 ..... 4	Spch 408 ..... 4
R-T 367 ..... 3	R-T 367 ..... 3
Spch elective ..... 4	Spch elective ..... 4
Education ..... 4	Education ..... 4
Thea 208 ..... 1	Thea 208 ..... 1
<u>16</u>	<u>16</u>

Education 352 .... 8 to 16	Education 352 .... 8 to 16
<u>8 to 16</u>	<u>8 to 16</u>

48 hours are required in speech.

## SPEECH

## COLLEGE OF LIBERAL ARTS AND SCIENCES

*First Year*

FALL	HOURS
GSA-1 .....	3
GSB-1 .....	3
GSC-1 .....	3
GSD 101a .....	3
GSE PE .....	1
GSD 108a or FL .....	3
FC 000 .....	0
USAF .....	0
	<u>16</u>

WINTER	HOURS
GSA-1 .....	3
GSB-1 .....	3
GSC-1 .....	3
GSD 101b .....	3
GSE PE .....	1
GSD 108b or FL .....	3
FC 000 .....	0
USAF .....	0
	<u>16</u>

SPRING	HOURS
GSA-1 .....	3
GSB-1 .....	3
GSC-1 .....	3
GSD 103 .....	3
GSE PE .....	1
GSD 108c or FL .....	3
FC 000 .....	0
USAF .....	1
	<u>17</u>

*Second Year*

GSA-2 .....	3
GSB-2 .....	3
GSC-2 .....	3
GSE 201 .....	3
Spch 102 .....	4
USAF .....	1
	<u>17</u>

GSA-2 .....	3
GSB-2 .....	3
GSC-2 .....	3
USAF .....	1
Spch 103 .....	4
Spch 202 .....	3
	<u>17</u>

GSA-2 .....	3
GSB-2 .....	3
GSC-2 .....	3
USAF .....	0
Spch .....	4
Spch .....	4
	<u>17</u>

*Third Year*

GSA-3 .....	3
GSB-3 .....	3
GSC-3 .....	3
Spch .....	4
Spch .....	4
	<u>17</u>

GSA-3 .....	3
GSB-3 .....	3
GSC-3 .....	3
Spch .....	4
Elective .....	4
	<u>17</u>

Spch .....	4
Electives .....	12
	<u>16</u>

*Fourth Year*

Spch .....	8
Electives .....	8
	<u>16</u>

Spch .....	4
Electives .....	12
	<u>16</u>

Spch .....	4
Electives .....	12
	<u>16</u>

## SPEECH

## SCHOOL OF COMMUNICATIONS

*First Year*

FALL	HOURS
GSA-1 .....	3
GSB-1 .....	3
GSC-1 .....	3
GSD 101a .....	3
GSD Math or FL .....	3
GSE PE .....	1
FC 000 .....	0
USAF .....	0
	<u>16</u>

WINTER	HOURS
GSA-1 .....	3
GSB-1 .....	3
GSC-1 .....	3
GSD 101b .....	3
GSD Math or FL .....	3
GSE PE .....	1
FC 000 .....	0
USAF .....	0
	<u>16</u>

SPRING	HOURS
GSA-1 .....	3
GSB-1 .....	3
GSC-1 .....	3
GSD 103 .....	3
GSD Math or FL .....	3
GSE PE .....	1
FC 000 .....	0
USAF .....	1
	<u>17</u>

*Second Year*

GSA-2 .....	3
GSB-2 .....	3
GSC-2 .....	3
USAF .....	1
Spch 102 .....	4
Spch 201 .....	2
	<u>16</u>

GSA-2 .....	3
GSB-2 .....	3
GSC-2 .....	3
GSE 201 .....	3
USAF .....	1
Spch 103 .....	4
Spch 209 .....	1
	<u>18</u>

GSA-2 .....	3
GSB-2 .....	3
GSC-2 .....	3
USAF .....	0
Spch 200 or 104 .....	4
Spch 202 .....	3
	<u>16</u>

*Third Year*

GSA-3 .....	3	GSA-3 .....	3		
GSB-3 .....	3	GSB-3 .....	3		
GSC-3 .....	3	GSC-3 .....	3		
Spch 213 .....	4	Spch 301 .....	4	Spch 408 .....	4
Spch 205 .....	3	Spch electives .....	4	Spch electives .....	12
	<u>16</u>		<u>17</u>		<u>16</u>

*Fourth Year*

Spch 304 .....	3	Spch 413, 417, or 418 ..	4	Electives .....	8-16
Spch 407 .....	4	Electives .....	12		<u>8-16</u>
Electives .....	10		<u>16</u>		
	<u>17</u>				

Total hours in	
Speech .....	60
Required .....	44
Electives .....	16

60 hours are required in Spch. 44 are specified above.

**SPEECH (TEACHING)**

**SCHOOL OF COMMUNICATIONS**

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a .....	3	GSA 101b .....	3	GSA 101c .....	3
GSB 101a .....	3	GSB 101b .....	3	GSB 101c .....	3
GSC-1 .....	3	GSC-1 .....	3	GSC-1 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSD Math or FL .....	3	GSD Math or FL .....	3	GSD Math or FL .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
	<u>16</u>		<u>16</u>		<u>17</u>

*Second Year*

GSA 201a .....	3	GSA 201b .....	3	GSA 201c .....	3
GSB-2 .....	3	GSB-2 .....	3	GSB-2 .....	3
GSC-2 .....	3	GSC-2 .....	3	GSC-2 .....	3
GSE 201 .....	3				
USAF .....	1	USAF .....	1	USAF .....	0
Spch 102 .....	4	Spch 202 .....	3	Spch 209 .....	1
		Spch 103 .....	4	Spch 200 .....	4
				Thea 111a, 111b, or 111c .....	3
	<u>17</u>		<u>17</u>		<u>17</u>

*Third Year*

GSA-3 .....	3	GSA-3 .....	3		
GSB 201c .....	3	GSB-3 .....	3		
GSB-3 .....	3	GSC-3 .....	3		
GSC-3 .....	3	Spch 427 .....	4	Spch 408 .....	4
Spch 205 .....	4	Guid 305 .....	4	Spch elective .....	4
	<u>16</u>		<u>17</u>	Education elective .....	4
				R-T 367 .....	3
				Elective .....	2
					<u>17</u>

Spch 306 .....	4
Eng 391 .....	4
SEd .....	4
Thea 402 .....	4
	<hr/>
	16

*Fourth Year*

SpCr 428 .....	4
Education 331 .....	3
Guid 422 .....	3
Electives .....	6
	<hr/>
	16

Education 352 ...	8 to 16
	<hr/>
	8 to 16

48 hours must be in speech.

**SPEECH CORRECTION**

**COLLEGE OF EDUCATION AND  
SCHOOL OF COMMUNICATIONS**

*First Year*

FALL	HOURS
FC 000 .....	0
GSA-1 .....	3
GSB-1 .....	3
GSC-1 .....	3
GSD 101a .....	3
GSD Math or FL .....	3
GSE PE .....	1
USAF .....	0
	<hr/>
	16

WINTER	HOURS
FC 000 .....	0
GSA-1 .....	3
GSB-1 .....	3
GSC-1 .....	3
GSD 101b .....	3
GSD Math or FL .....	3
GSE PE .....	1
USAF .....	0
	<hr/>
	16

SPRING	HOURS
FC 000 .....	0
GSA-1 .....	3
GSB-1 .....	3
GSC-1 .....	3
GSD 103 .....	3
GSD Math or FL .....	3
GSE PE .....	1
USAF .....	1
	<hr/>
	17

GSA-2 .....	3
GSB 201a .....	3
GSC-2 .....	3
USAF .....	1
SpCr 200 .....	4
Eng 391 .....	3
	<hr/>
	17

*Second Year*

GSA-2 .....	3
GSB 201c .....	3
GSC-2 .....	3
GSE 201 .....	3
USAF .....	1
Elective .....	4
	<hr/>
	17

GSA-2 .....	3
GSB 201b .....	3
GSC-2 .....	3
USAF .....	0
Guid 305 .....	4
EEd .....	4
	<hr/>
	17

GSA-3 .....	3
GSB 331 .....	3
GSC-3 .....	3
SpCr 212 .....	4
EEd .....	4
	<hr/>
	17

*Third Year*

GSA-3 .....	3
GSB-3 .....	3
GSC-3 .....	3
SpCr 318 .....	4
Psyc 301 .....	4
	<hr/>
	17

SpCr 415 .....	4
SpCr 203 .....	4
SpCr 319 .....	4
SpEd 200-2 or 414-4 .....	2
	<hr/>
	14-16

SpCr 405a .....	4
SpCr 406 .....	4
Psyc 305 .....	4
Guid 422 .....	4
	<hr/>
	16

*Fourth Year*

SpCr 405b .....	4
SpCr 412 .....	4
SpCr 414 .....	4
SpCr 419 .....	4
	<hr/>
	16

SpCr 405c .....	4
Student Teaching .....	12
	<hr/>
	16

**THEATER**

**SCHOOL OF COMMUNICATIONS**

*First Year*

FALL	HOURS
GSA-1 .....	3
GSB-1 .....	3
GSC-1 .....	3
GSD 101a .....	3
GSD Math or FL .....	3
GSE PE .....	1
FC 000 .....	0
USAF .....	0
	<hr/>
	16

WINTER	HOURS
GSA-1 .....	3
GSB-1 .....	3
GSC-1 .....	3
GSD 101b .....	3
GSD Math or FL .....	3
GSE PE .....	1
FC 000 .....	0
USAF .....	0
	<hr/>
	16

SPRING	HOURS
GSA-1 .....	3
GSB-1 .....	3
GSC-1 .....	3
Thea 106 .....	4
GSD Math or FL .....	3
GSE PE .....	1
FC 000 .....	0
USAF .....	1
	<hr/>
	18

*Second Year*

GSA-2 ..... 3	GSA-2 ..... 3	GSA-2 ..... 3
GSB-2 ..... 3	GSB-2 ..... 3	GSB-2 ..... 3
GSC 203 ..... 3	GSC-2 ..... 3	GSC-2 ..... 3
GSE-2 ..... 3	USAF ..... 1	GSD 103 ..... 3
USAF ..... 1	Thea 111b ..... 3	USAF ..... 0
Thea 111 ..... 3	Thea 204 ..... 4	Thea 207 ..... 4
<u>16</u>	<u>17</u>	<u>16</u>

*Third Year*

GSA-3 ..... 3	GSA-3 ..... 3	Thea 432 ..... 4
GSB-3 ..... 3	GSB-3 ..... 3	Thea 412 ..... 4
GSC-3 ..... 3	GSC-3 ..... 3	Spch 424 ..... 4
Thea 402a ..... 4	Thea 313 ..... 4	Eng 461 or 463 or
Thea 311 ..... 4	Thea 402b ..... 4	464 or 468 ..... 4
<u>17</u>	<u>17</u>	<u>16</u>

*Fourth Year*

Thea 322 ..... 12	Thea 305 ..... 2	Thea 403 ..... 4
	Thea electives ..... 8	Thea 438 ..... 4
	Electives ..... 6	Eng 472 ..... 4
<u>12</u>	<u>16</u>	<u>16</u>

Total hours in theater: 67 to 75.

**THEATER**

**COLLEGE OF EDUCATION**

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 ..... 3		GSA-1 ..... 3		GSA-1 ..... 3	
GSB-1 ..... 3		GSB-1 ..... 3		GSB-1 ..... 3	
GSC-1 ..... 3		GSC-1 ..... 3		GSC-1 ..... 3	
GSD 101a ..... 3		GSD 101b ..... 3		GSD Math or FL ..... 3	
GSD Math or FL ..... 3		GSD Math or FL ..... 3		GSE PE ..... 1	
GSE PE ..... 1		GSE PE ..... 1		FC 000 ..... 0	
FC 000 ..... 0		FC 000 ..... 0		USAF ..... 1	
USAF ..... 0		USAF ..... 0		Thea 106 ..... 4	
<u>16</u>		<u>16</u>		<u>18</u>	

*Second Year*

GSA-2 ..... 3	GSA-2 ..... 3	GSA-2 ..... 3
GSB-2 ..... 3	GSB-2 ..... 3	GSB-2 ..... 3
GSC 203 ..... 3	GSC 204, 205, or 206 .. 3	GSC 201 ..... 3
GSE 201 ..... 3	USAF ..... 1	GSD 103 ..... 3
USAF ..... 1	Thea 111b ..... 3	USAF ..... 0
Thea 111a ..... 3	Thea 204 ..... 4	Thea 208 or 308 ..... 1
<u>16</u>	<u>17</u>	<u>16</u>

*Third Year*

GSA-3 ..... 3	GSA-3 ..... 3	Electives ..... 16
GSB-3 ..... 3	GSB-3 ..... 3	
GSC-3 ..... 3	GSC-3 ..... 3	
Thea 402a ..... 4	Thea 313 ..... 4	
Thea 311 ..... 4	Electives ..... 4	
<u>17</u>	<u>17</u>	<u>16</u>

*Fourth Year*

Electives ..... 16	Thea 414a ..... 4	Electives ..... 16
<u>16</u>	Electives ..... 12	<u>16</u>
	<u>16</u>	<u>16</u>



## THEATER

## COLLEGE OF LIBERAL ARTS AND SCIENCES

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 .....	3	GSA-1 .....	3	GSA-1 .....	3
GSB-1 .....	3	GSB-1 .....	3	GSB-1 .....	3
GSC-1 .....	3	GSC-1 .....	3	GSC-1 .....	3
GSD 101a .....	3	GSD 101b .....	3	Thea 106 .....	4
GSD Math or FL .....	3	GSD Math or FL .....	3	GSD Math or FL .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
	<u>16</u>		<u>16</u>		<u>18</u>

*Second Year*

GSA-2 .....	3	GSA-2 .....	3	GSA-2 .....	3
GSB-2 .....	3	GSB-2 .....	3	GSB-2 .....	3
GSC 203 .....	3	GSC-2 .....	3	GSC-2 .....	3
GSE-2 .....	3			GSD 103 .....	3
USAF .....	1	USAF .....	1	USAF .....	0
Thea 111a .....	3	Thea 111b .....	3	Thea 207 .....	4
	<u>16</u>	Thea 204 .....	4		<u>16</u>
			<u>17</u>		

*Third Year*

GSA-3 .....	3	GSA-3 .....	3		
GSB-3 .....	3	GSB-3 .....	3		
GSC-3 .....	3	GSC-3 .....	3		
Thea 402a .....	4	Thea 313 .....	4	Thea 432 .....	4
Thea 311 .....	4	Eng 464 .....	4	Thea 412 .....	4
	<u>17</u>		<u>17</u>	Eng 461 .....	4
				Spch 424 .....	4
					<u>16</u>

*Fourth Year*

Eng 463 .....	4	Thea 305 .....	2	Thea 403 .....	4
Electives .....	12	Thea electives .....	8	Thea 438 .....	4
	<u>16</u>	Eng 471 .....	4	Eng 472 .....	4
		Electives * .....	2	Electives .....	4
			<u>16</u>		<u>16</u>

Total hours in theater 67 to 75.

## ZOOLOGY

## COLLEGE OF LIBERAL ARTS AND SCIENCES

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a (waive) <sup>1</sup> .....	3	GSA 101b (waive) <sup>1</sup> .....	3	GSA 101c (waive) <sup>1</sup> .....	3
GSB 101b .....	3	GSB 101c .....	3	GSB 101a .....	3
GSC-1 .....	3	GSC-1 .....	3	GSC-1 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSD 108a or 114a .....	3	GSD 108b or 114b .....	3	GSD 108c or 114c .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
	<u>16</u>		<u>16</u>		<u>17</u>

<sup>1</sup>Students with good high school background should waive GSA-1 and begin chemistry requirement.

*Second Year*

GSA 201a ..... 3	GSA 201b ..... 3	GSA 201c ..... 3
GSB 201a <sup>2</sup> ..... 3	GSB 201c <sup>2</sup> ..... 3	GSB 201b <sup>2</sup> ..... 3
GSD FL ..... 3	GSD FL ..... 3	GSD FL ..... 3
GSE 201 ..... 3		
GSC-2 ..... 0	GSC-2 ..... 3	GSC-2 ..... 3
USAF ..... 1	USAF ..... 1	USAF ..... 0
Chem 111a ..... 5	Chem 111b ..... 5	Chem 111c ..... 5
<u>18</u>	<u>18</u>	<u>17</u>

<sup>2</sup> recommended sequence; not required, GSB 211a,b,c acceptable.

*Third Year*

GSB-3 ..... 3	GSB-3 ..... 3	GSC-3 ..... 3
Zool 102 ..... 5	Zool 103 ..... 5	Zool 202 ..... 5
Minor ..... 5	Minor ..... 5	Zool 310 ..... 5
Elective ..... 3		Minor ..... 4
<u>16</u>	<u>16</u>	<u>17</u>

*Fourth Year*

GSA-3 ..... 3	GSA-3 ..... 3	Zool 382c ..... 1/2
Zool 300 ..... 5	Zool 401 ..... 5	Minor ..... 0
Zool 382a ..... 1/2	Zool 382b ..... 1/2	Major ..... 4
Minor ..... 5	Minor ..... 5	Electives ..... 14
Major ..... 4	Major ..... 4	
<u>17 1/2</u>	<u>17 1/2</u>	<u>18 1/2</u>

Zoology majors are required to have three quarters in either botany or physics and one of the following courses: Zool 303, 306, 406, 408, 461, 465.

**Carbondale Campus Preprofessional Programs**

**PHYSICAL THERAPY (PREPROFESSIONAL)**

**COLLEGE OF LIBERAL ARTS AND SCIENCES**

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a ..... 3		GSA 101b ..... 3		GSA 101c ..... 3	
GSB 101b ..... 3		GSB 101c ..... 3		GSB 101a ..... 3	
GSD 101a ..... 3		GSD 101b ..... 3		GSD 103 ..... 3	
GSD 114a ..... 3		GSD 114b ..... 3		GSD 114c ..... 3	
GSE PE ..... 1		GSE PE ..... 1		GSE PE ..... 1	
FC 000 ..... 0		FC 000 ..... 0		FC 000 ..... 0	
USAF ..... 0		USAF ..... 0		USAF ..... 1	
<u>13</u>		<u>13</u>		<u>14</u>	

*Second Year*

GSA 201a ..... 3	GSA 201b ..... 3	GSA 201c ..... 3
GSB 201a ..... 3	GSB 201c ..... 3	GSB 201b ..... 3
GSC-1 ..... 3	GSC-1 ..... 3	GSC-1 ..... 3
GSE 201 ..... 3		
USAF ..... 1	Elective ..... 3	USAF ..... 0
Elective ..... 3	USAF ..... 1	Phsl 301 ..... 4
<u>16</u>	<u>17</u>	<u>17</u>
	Phsl 300 ..... 4	Psyc 307 ..... 4

*Third Year*

Phsl 315a	5	Phsl 315b	5	Phsl 315c	5
GSC-2	3	GSC-2	3	GSC-2	3
GSB-3	3	GSB-3	3	Chem 111c	5
Chem 111a	5	Chem 111b	5	Elective	5
	<u>16</u>		<u>16</u>		<u>18</u>

*Fourth Year*

GSA-3 (bioscience)	3	GSA-3 (bioscience)	3	Physical Educ	6
GSC-3	3	GSC-3	3		

Students may apply to a professional school after two years. Two years will then be taken in the professional school. If the student applies after three years of college, he will attend the professional school for one year only. The undergraduate course should be especially heavy in anatomy, physiology, physical education, and psychology. Students seeking a bachelor's degree should consult the premedical adviser.

## PREEDENTAL (PREPROFESSIONAL) COLLEGE OF LIBERAL ARTS AND SCIENCES

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 (waive)	0	GSA-1 (waive)	0	GSA-1 (waive)	0
GSB 101b	3	GSB 101c	3	GSB 101a	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 114a	3	GSD 114b	3	GSD 114c	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
Chem 111a	5	Chem 111b	5	Chem 111c	5
	<u>15</u>		<u>15</u>		<u>16</u>

*Second Year*

GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB-2	3	GSB-2	3	GSB-2	3
GSC-1	3	GSC-1	3	GSC-1	3
GSD FL	3	GSD FL	3	GSD FL	3
USAF	1	USAF	1	USAF	0
Chem 305a	4	Chem 305b	4	Chem 235	5
	<u>17</u>		<u>17</u>		<u>17</u>

*Third Year*

GSA-3 (bioscience)	3-5	GSA-3 (bioscience)	3-5	GSC-2	3
GSB-3	3	GSB-3	3	Bioscience	3-5
GSC-2	3	GSC-2	3	GSE 201	3
Phys 206a	5	Phys 206c	5	Phys 206b	5
	<u>16</u>		<u>16</u>		<u>16</u>

*Fourth Year*

GSC-3	3	GSC-3	3
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The major should be completed in the fourth year. The student may elect any major in the College of Liberal Arts and Sciences.

The six courses listed above in chemistry constitute a minor for preedental students. The student should take the Dental Achievement Test in the spring of his junior year, if he stays four years.

Total minimum required hours are 192, of which 64 must be on the 300 or 400 level.

PRE-ENGINEERING (PREPROFESSIONAL)

SCHOOL OF TECHNOLOGY

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 (waive) .....	0	GSA-1 (waive) .....	0	GSA-1 (waive) .....	0
GSB-1 .....	3	GSB-1 .....	3	GSB-1 .....	3
		GSC-1 .....	3		
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
				USAF 110 .....	1
USAF 100a .....	0	USAF 100a .....	0	USAF 100A .....	0
Chem 111a .....	5	Chem 111b .....	5	Chem 111c .....	5
Math 150a .....	5	Math 150b .....	5	Math 252a .....	5
	<u>17</u>		<u>20</u>		<u>18</u>

*Second Year*

GSA-2 .....	3	GSA-2 .....	3	GSA-2 .....	3
GSB-2 .....	3	GSB-2 .....	3	GSB-2 .....	3
GSC-2 .....	3	GSC-2 .....	3	GSC-1 .....	3
		GSC-1 .....	3	GSC-2 .....	3
USAF 210 .....	1	USAF 220 .....	1	GSE 201 .....	3
USAF 200A .....	0	USAF 200A .....	0	USAF 200A .....	0
Phys 211a .....	5	Phys 211c .....	5	Phys 211b .....	5
Math 252b .....	4				
	<u>19</u>		<u>18</u>		<u>20</u>

Students in this program should consult with Marvin Johnson of the School of Technology.

PRELAW (PREPROFESSIONAL)

COLLEGE OF LIBERAL ARTS AND SCIENCES

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a .....	3	GSA 101b .....	3	GSA 101c .....	3
GSB 101b .....	3	GSB 101c .....	3	GSB 101a .....	3
GSC-1 .....	3	GSC-1 .....	3	GSC-1 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSD 108a or FL .....	3	GSD 108b or FL .....	3	GSD 108c or FL .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
	<u>16</u>		<u>16</u>		<u>17</u>

*Second Year*

GSA 201a .....	3	GSA 201c .....	3	GSA 201b .....	3
GSB 201a or 211a <sup>1</sup> .....	3	GSB 201c or 211b .....	3	GSB 201b or 211c <sup>1</sup> .....	3
GSC-2 .....	3	GSC-2 .....	3	GSC-2 .....	3
GSD Math or FL .....	3	GSD Math or FL .....	3	GSD Math or FL .....	3
				GSE 201 .....	3
USAF .....	1	USAF .....	1	USAF .....	0
Govt 231 or		Govt 232 or		Hist 210a or 201c <sup>1</sup> .....	3
Hist 201a <sup>1</sup> .....	5 or 3	Hist 201b <sup>1</sup> .....	5 or 3		
	<u>16-18</u>		<u>16-18</u>		<u>18</u>

<sup>1</sup>One who elects GSB 201a,b,c should also elect Govt 231, 232, Hist 201a. One who elects GSB 211a,b,c should also elect Hist 201a,b,c.

*Third and Fourth Years*

GSA-3 .....	6	GSB-3 .....	6	GSC-3 .....	6
Acct 250 or 251a,b,c					

A Pre-law student should have a major. The choice of major will determine what should be taken.

## PREMEDICAL TECHNOLOGY (PREPROFESSIONAL)

## COLLEGE OF LIBERAL ARTS AND SCIENCES

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 (waive) .....	0	GSA-1 (waive) .....	0	GSA-1 (waive) .....	0
GSB 101b .....	3	GSB 101c .....	3	GSB 101a .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSD 114a .....	3	GSD 114b .....	3	GSD 114c .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
Chem 111a .....	5	Chem 111b .....	5	Chem 111c .....	5
	<u>15</u>		<u>15</u>		<u>16</u>

*Second Year*

GSA 201a .....	3	GSA 201b .....	3	GSA 201c .....	3
GSB 201a .....	3	GSB 201c .....	3	GSB 201b .....	3
GSC-1 .....	3	GSC-1 .....	3	GSC-1 .....	3
		GSE 201 .....	3		
USAF .....	1	USAF .....	1	USAF .....	0
Chem 305a .....	4	Chem 305b .....	4	Chem 235 .....	5
Phsl 300 .....	4			Elective .....	4
	<u>18</u>		<u>17</u>		<u>18</u>

*Third Year*

GSB-3 .....	3	GSB-3 .....	3		
GSC-2 .....	3	GSC-2 .....	3	GSC-2 .....	3
Phys 206a .....	5	Phys 206c .....	5	Phys 206b .....	5
Phys 315a .....	5	Phsl 315b .....	5	Phsl 315c .....	5
				Elective .....	5
	<u>16</u>		<u>16</u>		<u>18</u>

*Fourth Year*

GSA-3 .....	3	GSA-3 .....	3	Electives	
GSC-3 .....	3	GSC-3 .....	3		

## NOTE:

Complete the major in the fourth year. Take courses in microbiology and biochemistry. Elect any major in the College of Liberal Arts and Sciences.

a major if desired.

The six courses listed above in chemistry constitute a minor. It may be converted to a major, if desired.

Total minimum hours required for graduation are 192, of which 64 must be on the 300 or 400 level.

Two GSA-3 biology courses are needed. See adviser to fit them into program.

## PREMEDICINE (PREPROFESSIONAL)

## COLLEGE OF LIBERAL ARTS AND SCIENCES

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 (waive) .....	0	GSA-1 (waive) .....	0	GSA-1 (waive) .....	0
GSB 101b .....	3	GSB 101c .....	3	GSB 101a .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSD 114a .....	3	GSD 114b .....	3	GSD 114c .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
Chem 111a .....	5	Chem 111b .....	5	Chem 111c .....	5
	<u>15</u>		<u>15</u>		<u>16</u>

*Second Year*

GSA 201a ..... 3	GSA 201b ..... 3	GSA 201c ..... 3
GSB 201a ..... 3	GSB 201c ..... 3	GSB 201b ..... 3
GSC-1 ..... 3	GSC-1 ..... 3	GSC-1 ..... 3
GSD FL ..... 3	GSD FL ..... 3	GSD FL ..... 3
USAF ..... 1	USAF ..... 1	USAF ..... 0
Chem 305a ..... 4	Chem 305b ..... 4	Chem 235 ..... 5
17	17	17

*Third Year*

GSC-2 ..... 3	GSC-2 ..... 3	GSB-3 ..... 3
GSE 201 ..... 3		GSC-2 ..... 3
Phys 206a ..... 5	Phys 206c ..... 5	Phys 206b ..... 5
Zool 103 ..... 5	Zool 202 ..... 5	Zool 300 ..... 5
	Elective ..... 3	
16	16	16

*Fourth Year*

GSA-3 ..... 3	GSA-3 ..... 3	
GSB-3 ..... 3	GSC-3 ..... 3	GSC-3 ..... 3

NOTE:

The major should be completed in the fourth year. The student may elect any major in the College of Liberal Arts and Sciences.

The six courses listed above in Chemistry constitute a minor.

The student should take the Medical Achievement Test in May of his junior year, if he stays four years.

Total minimum required hours are 192, of which 64 must be on the 300 or 400 level.

PRE-OCCUPATIONAL THERAPY COLLEGE OF LIBERAL ARTS AND SCIENCES

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a ..... 3		GSA 101b ..... 3		GSA 101c ..... 3	
GSD 101a ..... 3		GSD 101b ..... 3		GSD 103 ..... 3	
GSD Math or FL ..... 3		GSD Math or FL ..... 3		GSD Math or FL ..... 3	
GSE PE ..... 1		GSE PE ..... 1		GSE PE ..... 1	
FC 000 ..... 0		FC 000 ..... 0		FC 000 ..... 0	
USAF ..... 0		USAF ..... 0		USAF ..... 1	
Art 100 ..... 6		Art 100 ..... 6		Art 100 ..... 6	
16		16		17	

*Second Year*

GSA 201a ..... 3	GSA 201b ..... 3	GSA 201c ..... 3
GSB 101b ..... 3	GSB 101c ..... 3	GSB 101a ..... 3
GSB 201a ..... 3	GSB 201c ..... 3	GSB 201b ..... 3
USAF ..... 1	USAF ..... 1	USAF ..... 0
IEd 112 ..... 4	IEd 303 ..... 4	HEd 300 ..... 3
C&T (clothing selection) <sup>1</sup> ..... 4	Phsl 200 or orientation ..... 3	C&T 331 ..... 3
18	17	18

*Third Year*

Phsl 315a ..... 5	Phsl 315b ..... 5	Phsl 315c ..... 5
Psyc 305 ..... 4	Phsl 300 ..... 4	PE 303 ..... 5
IEd 301 ..... 4	Psyc 307 ..... 4	PE 304 ..... 1-2
Art 385 or 302 <sup>3</sup> ..... 4	Art 203 or 385 <sup>3</sup> ..... 4	Electives <sup>2</sup> ..... 5-7
17	17	16-19

<sup>1</sup>To be taken only if student has no prior training.

<sup>2</sup> See adviser at Southern for recommended electives.

<sup>3</sup> Art 302 can be substituted for 203. It should then be taken in the fall and 385 in the winter.

*Fourth Year*

The student will transfer to the University of Illinois professional colleges in Chicago at the beginning of his fourth year. The degree will be conferred by that University.

## PREPHARMACY (PREPROFESSIONAL)

## COLLEGE OF LIBERAL ARTS AND SCIENCES

*First or Preprofessional Year*

Pharmacy is a five-year program. The first, or preprofessional year may be taken at Southern Illinois University. The applicant from Southern should have a 3.5 average and take no fewer than 45 hours of work in the College of Liberal Arts and Sciences.

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 (waive) .....	0	GSA-1 (waive) .....	0	GSA-1 (waive) .....	0
GSB 101b .....	3	GSA 101c .....	3	GSB 101a .....	3
GSC-1 .....	3	GSC-1 .....	3	GSC-1 .....	3
GSD 114a .....	3	GSD 114b .....	3	GSD 114c .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
Chem 111a .....	5	Chem 111b .....	5	Chem 111c .....	5
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
	17		17		17

Applicants are generally advised against taking more than one year here, because advanced standing for more than one year will usually not be granted by a School of Pharmacy. There are some exceptions to this statement. The St. Louis College of Pharmacy requires two years of preprofessional work. Any applicant for that program should consult the premedical adviser and obtain the recommended two-year curriculum guide at Southern.

Additional summer training in the biological sciences is urged, and some pharmacy schools require it. Please consult the premedical adviser.

## PRETHEOLOGY

## COLLEGE OF LIBERAL ARTS AND SCIENCES

The American Association of Theological Schools regards the following as a minimum list of fields of study that a student should have before beginning study in a seminary. These suggestions should be useful to anyone planning a religious vocation, whatever his religious tradition. The work in these fields should be evaluated on the basis of his mastery of these fields rather than in terms of quarter hours. In order that this recommendation may help the student faced with the practical problem of selecting courses, however, it is suggested that he take approximately three-fourths of his college work in the following specific areas. (Courses offered at Southern Illinois University which should be particularly useful in supplying this background are in parentheses.) English literature, composition, speech, and related studies—at least 24 quarter hours.

(English 309-310, 365, 390 and 391; Journalism 393; Speech 303; as well as several GSC and GSD courses, such as GSC 209, 345).

History, especially European and American—at least 12 quarter hours. (History 101-102-103, 311 and 416).

Philosophy, orientation in its history, content, and method—at least 12 quarter hours. (GSC 102, 207-208, 310-311-312, 381-382-383, and Philosophy 301).

Natural Sciences, preferably physics, chemistry, and biology—at least 9 quarter hours. (GSA 101-102-103, 200, 201-202-203).

Social Studies, including psychology, sociology, economics, government, anthropology, and education—at least 24 quarter hours. (GSB 101-102-103, 201-202-203, 211-212-213, 303; Psychology 305; Sociology 241, 320, 351, 380, 484; Education 355; and Anthropology 400 and 409).

Foreign Languages. One or more of the following: Latin, Greek, Hebrew, German, French—at least 18 quarter hours. (GSD, Elementary Greek, 130-131-132).

Religion. The pretheology student may well seek counsel of the seminary of his choice in order to use the resources of his college most profitably. Attention is also called to religion courses offered for credit by the off-campus foundations and to the courses in philosophy of religion, sociology of religion, and world religion offered on campus.

PREVETERINARY (PREPROFESSIONAL)

COLLEGE OF LIBERAL ARTS AND SCIENCES

*F i r s t   Y e a r*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 (waive) .....	0	GSA-1 (waive) .....	0	GSA-1 (waive) .....	0
GSB 101b .....	3	GSB 101c .....	3	GSB 101a .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSD 114a .....	3	GSD 114b .....	3	GSD 114c .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
FC 000 .....	0	FC 000 .....	0	FC 000 .....	0
USAF .....	0	USAF .....	0	USAF .....	1
Chem 111a .....	5	Chem 111b .....	5	Chem 111c .....	5
	<u>15</u>		<u>15</u>		<u>16</u>

*S e c o n d   Y e a r*

GSA 201a .....	3	GSA 201b .....	3	GSA 201c .....	3
GSB 201a .....	3	GSB 201c .....	3	GSB 201b .....	3
GSC 100 or 101 .....	3	GSC 102 .....	3	GSC 103 .....	3
GSD FL .....	3	GSD FL .....	3	GSD FL .....	3
USAF .....	1	USAF .....	1	USAF .....	0
Chem 305a .....	4	Chem 305b .....	4	Chem 235 .....	5
	<u>17</u>		<u>17</u>		<u>17</u>

*T h i r d   Y e a r*

GSA-3 .....	3	GSA-3 .....	3	GSC-2 .....	3
GSB-3 .....	3	GSC-2 .....	3	GSE 201 .....	3
GSC-2 .....	3	GSC-2 .....	3	Phys 206b .....	5
Phys 206a .....	5	Phys 206c .....	5	Electives .....	6
Elective .....	3	Electives .....	6		<u>6</u>
	<u>17</u>		<u>17</u>		<u>17</u>

*F o u r t h   Y e a r*

GSC-3 .....	3	GSC-3 .....	3	GSB-3 .....	3
Electives		Electives		Electives	

Complete the major in the fourth year. The student may elect any major in the College of Liberal Arts and Sciences.

The six courses listed above in Chemistry constitute a minor.

Total minimum required hours are 192, of which 64 must be on the 300 or 400 level.



**Edwardsville Campus**

UNDECIDED

EDWARDSVILLE CAMPUS

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a .....	3	GSA 101b .....	3	GSA 101c .....	3
GSB 101a .....	3	GSB 101b .....	3	GSB 101c .....	3
GSC 151 .....	3	GSC 152 .....	3	GSC 100 or 101 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
Elective .....	3	Elective .....	3	Elective .....	3
	<u>16</u>		<u>16</u>		<u>16</u>

*Second Year*

GSA 201a .....	3	GSA 201b or 200 .....	3	GSA 201c or 200 .....	3
GSB 201a or 211a .....	3	GSB 201b or 211b .....	3	GSB 201c or 211c .....	3
GSC 251a .....	3	GSC 251b or 251c .....	3	GSC 251b, 251c, 203, or 255 .....	3
GSD Math or FL .....	3	GSD Math or FL .....	3	GSD Math or FL .....	3
GSE 201 .....	3	Elective .....	3	Elective .....	3
	<u>15</u>		<u>15</u>		<u>15</u>

*Third and Fourth Years*

Select concentration by end of second year and complete requirements of the particular concentration selected.

Complete 6 hours of 300-level GS courses in each of the Areas A, B, and C.

ACCOUNTING

BUSINESS DIVISION

(For students who matriculated in or subsequent to September, 1962)

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a .....	3	GSA 101b .....	3	GSA 101c .....	3
		GSB 211a .....	3	GSB 211b .....	3
GSC 100 or 101 .....	3	GSC 152 .....	3	GSC 151 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSD 114a <sup>1</sup> .....	3	GSD 114b .....	3	GSD 114d .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
Mgt 170 .....	4				
	<u>17</u>		<u>16</u>		<u>16</u>

*Second Year*

GSA 201a .....	3	GSA 201b .....	3	GSA 200 .....	3
GSB 211c .....	3	GSB 311 .....	3		
GSC 251a .....	3	GSC 251b .....	3	GSC 251c .....	3
Acct 251a .....	4	Acct 251b .....	4	GSE 201 .....	3
Econ 210 .....	5	Mgt 271 .....	4	Acct 251c .....	4
	<u>18</u>		<u>17</u>	Mktg 230 .....	5
					<u>18</u>

*Third Year*

GSA-3 .....	3	GSA-3 .....	3		
GSB-3 .....	3			GSC-3 .....	3
Acct 351a .....	4	GSC-3 .....	3	Acct 351c .....	4
		Acct 341 .....	3	Acct 442 .....	4
Mgt 371 .....	4	Acct 351b .....	4	Mgt 372 or 373 .....	4
		Mgt 340 .....	4		
	<u>14</u>		<u>17</u>		<u>15</u>

*Fourth Year*

Acct 331 .....	5	Acct 355-3, 432-4,		Acct 356 .....	5
Econ 315 .....	4	458-4, or 461-4 .....	3-4	Electives .....	10
Mgt 320 .....	5	Electives .....	12-11		
	<u>14</u>		<u>15</u>		<u>15</u>

No specific 300-level GS courses are suggested at this time. The student should consult his adviser.

<sup>1</sup> One who does not qualify for this course should take Math 100-0.

ART (B.A.)

FINE ARTS DIVISION

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a .....	3	GSA 101b .....	3	GSA 101c .....	3
GSB 101a .....	3	GSB 101b .....	3	GSB 101c .....	3
GSD 101a or 103 .....	3	GSD 101b, 103, or 101a .....	3	GSD 103 or 151b .....	3
GSE PE .....	1	GSE PE .....	1	GSE 201 .....	3
Art 100 .....	5	Art 100 .....	5	Art 100 .....	5
	<u>15</u>		<u>15</u>		<u>17</u>

*Second Year*

GSA 201a .....	3	GSA 201b .....	3	GSA 201c .....	3
GSB 201a or 211a .....	3	GSB 201b or 211b .....	3	GSB 201c or 211c .....	3
GSC 251a .....	3	GSC 251b, 203, or		GSC 251c, 203, or	
Art 201 .....	4	255 or 251c .....	3	255 or 251b .....	3
Art 203 .....	4	Art 201 .....	4	Art 324, 310, 300,	
PE .....	1	Art 203 .....	4	305, 358 (any 2) .....	8
	<u>18</u>		<u>17</u>		<u>17</u>

*Third Year*

GSA-3 .....	3	GSA-3 .....	3	GSC 353 .....	4
GSC 351 .....	4	GSC 352 .....	4	GSD FL .....	3
GSD FL .....	3	GSD FL .....	3	Art .....	4
Art .....	4	Art .....	4	Elective .....	4
Art .....	4	Art .....	4		
	<u>18</u>		<u>18</u>		<u>15</u>

*Fourth Year*

GSB-3 .....	3	GSB-3 .....	3	Electives .....	12
Electives .....	12	Electives .....	12		
	<u>15</u>		<u>15</u>		<u>12</u>

ART EDUCATION (B.S. EDUCATION)

EDUCATION OR FINE ARTS DIVISION

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a .....	3	GSA 101b .....	3	GSA 101c .....	3
GSB 101a .....	3	GSB 101b .....	3	GSB 101c .....	3
GSD 101a or 103 .....	3	GSD 101b, 103, or 101a .....	3	GSD 103 or 101b .....	3
GSE PE .....	1	GSE PE .....	1	GSE 201 .....	3
Art 100 .....	5	Art 100 .....	5	Art 100 .....	5
	<u>15</u>		<u>15</u>		<u>17</u>

*Second Year*

GSA 201a .....	3	GSA 201b .....	3	GSA 201c .....	3
GSB 201a or 211a .....	3	GSB 201b or 211b .....	3	GSB 201 or 211c .....	3
GSC 251a .....	3	GSC 251b, 203, 255,		GSC 251c, 203, 255,	
Art 201 .....	4	or 251c .....	3	or 251b .....	3
Art 203 .....	4	Art 201 .....	4	Art 324, 310, 300,	
GSE PE .....	1	Art 203 .....	4	305, 358 (any 2) .....	8
	<u>18</u>		<u>17</u>		<u>17</u>

*Third Year*

GSA-3 ..... 3	GSA-3 ..... 3	GSB 331 ..... 3
GSC 351 ..... 4	GSC 352 ..... 4	GSC 353 ..... 4
GSD Math or FL ..... 3	GSD Math or FL ..... 3	GSD Math or FL ..... 3
Art ..... 4	Art ..... 4	Art ..... 4
Art ..... 4	Art 365 ..... 4	Guid 305 ..... 4
18	18	18

*Fourth Year*

GSB-3 ..... 3	IM 417 ..... 4	Electives ..... 12
EdAd 355 ..... 4	EdS 352 ..... 8	
Guid 422 ..... 4	Electives ..... 4	
Art ..... 4		
15	16	12

BIOLOGY (WITH CHEMISTRY)

SCIENCE AND TECHNOLOGY DIVISION

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a ..... 3		GSA 101b ..... 3		GSA 201c ..... 3	
GSA 201a ..... 3		GSA 201b ..... 3		GSB 101c ..... 3	
GSB 101a ..... 3		GSB 101b ..... 3		GSD 103 ..... 3	
GSD 101a ..... 3		GSD 101b ..... 3		GSE PE ..... 1	
GSE PE ..... 1		GSE PE ..... 1		Chem 111c ..... 5	
Chem 111a ..... 5		Chem 111b ..... 5		15	
18		18			

*Second Year*

GSB 201a or 211a ..... 3	GSB 201b or 211b ..... 3	GSB 201c or 211c ..... 3
GSC 151 ..... 3	GSC 152 ..... 3	GSC 101 ..... 3
GSD FL ..... 3	GSD FL ..... 3	GSD FL ..... 3
	GSD Math ..... 3	GSD Math ..... 3
Chem 336a ..... 4	Bot 202 ..... 5	Zool 102 ..... 5
Bot 101 ..... 5	17	17
18		

*Third Year*

GSC 251a ..... 3	GSA 358a ..... 3	GSA 358b ..... 3
GSD Math ..... 3	GSB-3 ..... 3	GSB-3 ..... 3
	GSC 251b or 251c ..... 3	GSC 251c, 251b, 203, or 255 ..... 3
Zool 103 ..... 5	Zool 310 ..... 5	GSE 201 ..... 3
Chem 341a ..... 4	Chem 341b ..... 5	Zool 401 ..... 5
15	19	17

*Fourth Year*

GSC-3 ..... 3	GSC-3 ..... 3	Electives ..... 15
Phsl (305, 320 or 359) .. 5		
Electives ..... 7	Electives ..... 12	
15	15	15

BOTANY (WITH CHEMISTRY)

SCIENCE AND TECHNOLOGY DIVISION

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a ..... 3		GSA 101b ..... 3		GSA 201b ..... 3	
GSA 201a ..... 3		GSA 201c ..... 3		GSB 101c ..... 3	
GSB 101a ..... 3		GSB 101b ..... 3		GSD 101c ..... 3	
GSD 101a ..... 3		GSD 101b ..... 3		GSE PE ..... 1	
GSE PE ..... 1		GSE PE ..... 1		Chem 111c ..... 5	
Chem 111a ..... 5		Chem 111b ..... 5		15	
18		18			

*Second Year*

GSB 201a or 211a ..... 3	GSB 201b or 211b ..... 3	GSB 201c or 211c ..... 3
GSC 151 ..... 3	GSC 152 ..... 3	GSC 101 ..... 3
GSD FL ..... 3	GSD FL ..... 3	GSD FL ..... 3
	GSD Math ..... 3	GSD Math ..... 3
Bot 101 ..... 5	Bot 202 ..... 5	Bot 203 ..... 5
Chem 336 ..... 4		
18	17	17

*Third Year*

GSC 251a ..... 3	GSA 358a ..... 3	GSA 358b ..... 3
	GSC 251b or 251c ..... 3	GSC 251c or 251b or 203 or 255 ..... 3
GSD Math ..... 3		GSE 201 ..... 3
Bot 310 ..... 5	Bot 320 ..... 5	
Chem 341a ..... 4	Chem 341b ..... 5	Electives ..... 7
15	16	16

*Fourth Year*

GSB-3 ..... 3	GSB-3 ..... 3	
GSC-3 ..... 3	GSC-3 ..... 3	
Electives ..... 9	Electives ..... 9	Electives ..... 15
15	15	15

## BUSINESS EDUCATION

## BUSINESS DIVISION

(Secretarial Studies and Office Management)

(For students who matriculated in or subsequent to September, 1962)

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a ..... 3		GSA 101b ..... 3		GSA 101c ..... 3	
		GSB 211a ..... 3		GSB 211b ..... 3	
GSC 100 or 101 ..... 3		GSC 152 ..... 3		GSC 151 ..... 3	
GSD 101a ..... 3		GSD 101b ..... 3		GSD 103 ..... 3	
GSD 114a <sup>1</sup> ..... 3		GSD 114b ..... 3		GSD 114d ..... 3	
GSE PE ..... 1		GSE PE ..... 1		GSE PE ..... 1	
Mgt 170 <sup>2</sup> ..... 4					
17		16		16	

*Second Year*

GSA 201a ..... 3	GSA 201b ..... 3	GSA 200 ..... 3
GSB 211c ..... 3	GSB 311 ..... 3	
GSC 251a ..... 3	GSC 251b ..... 3	GSC 251c ..... 3
		GSE 201 ..... 3
Acct 251a ..... 4	Acct 251b ..... 4	Acct 251c ..... 4
Bus Ed 221a ..... 4	Bus Ed 221b ..... 4	Bus Ed 221c ..... 4
17	17	17

*Third Year*

GSA-3 ..... 3	GSA-3 ..... 3	
GSC-3 ..... 3	GSC-3 ..... 3	GSB 331 ..... 3
Bus Ed 241 ..... 2	Bus Ed 304 ..... 3	Econ 210 ..... 5
Bus Ed 324a ..... 4	Bus Ed 324b ..... 4	Guid 305 ..... 4
EdS 315 ..... 4	Bus Ed 404 ..... 3	Mgt 271 ..... 4
16	16	16

No specific 300-level GS courses are suggested at this time. The student should consult his adviser.

<sup>1</sup> One who does not qualify for this course should take Math 100-0.

<sup>2</sup> Students who do not demonstrate adequate competency to enroll in Bus Ed 304, Typewriting IV, should take Bus Ed 201-9 during the first year. (See Divisional Announcements bulletin for competency requirements.)

*Fourth Year*

Bus Ed 403 ..... 3	Bus Ed 427 ..... 3	Ed S 352 ..... 8
Bus Ed 411 ..... 4	Bus Ed 407 ..... 4	Guid 422 ..... 4
	Bus Ed 408 ..... 3	
Mgt 371 ..... 4	Ed Ad 355 ..... 4	
Mktg 230 ..... 5	IM 417 ..... 4	Mktg 331 or 333 ..... 4
16	18	16

CHEMISTRY (WITH MATHEMATICS)

SCIENCE AND TECHNOLOGY DIVISION

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSB 101a ..... 3		GSB 101b ..... 3		GSB 101c ..... 3	
GSD 101a ..... 3		GSD 101b ..... 3		GSD 103 ..... 3	
GSE PE ..... 1		GSE PE ..... 1		GSE PE ..... 1	
Chem 111a ..... 5		Chem 111b ..... 5		Chem 111c ..... 5	
Math 111a ..... 5		Math 111b ..... 5		Math 150a ..... 4	
17		17		16	

*Second Year*

GSC 151 ..... 3	GSC 152 ..... 3	GSC 101 ..... 3
Chem 336a ..... 4	Chem 336b ..... 4	Chem 336c ..... 4
Math 150b ..... 4	Math 252a ..... 4	Math 252b ..... 4
		Math 305 ..... 3
Phys 211a ..... 5	Phys 211b ..... 5	Phys 211c ..... 5
16	16	19

*Third Year*

GSA 201a ..... 3	GSA 201b ..... 3	GSA 201c ..... 3
GSC 251a ..... 3	GSC 251b or 251c ..... 3	GSC 251c or 251b or 203 or 255 ..... 3
GSD 126a ..... 3	GSD 126b ..... 3	GSD 126c ..... 3
	GSE 201 ..... 3	Electives <sup>1</sup> ..... 3
Chem 341a ..... 4	Chem 341b ..... 5	Chem 341c ..... 5
Phys 300 ..... 5		
18	17	17

*Fourth Year*

GSA-3 ..... 3	GSA-3 ..... 3	GSB 201c or 211c ..... 3
GSB 201a or 211a ..... 3	GSB 201b or 211b ..... 3	
GSB-3 ..... 3	GSB-3 ..... 3	Electives ..... 7
GSC-3 ..... 3	GSC-3 ..... 3	Chem 461c ..... 4
Chem 461a ..... 4	Chem 461b ..... 4	Chem 375 ..... 1
Chem 375 ..... 1	Chem 375 ..... 1	15
17	17	

<sup>1</sup> 10 hours of electives should be chosen from Chem 311, 396, 412, 432, 446, or 490 to qualify as a professional chemist.

ECONOMICS

BUSINESS DIVISION

(For students who matriculated in or subsequent to September, 1962)

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a ..... 3		GSA 101b ..... 3		GSA 101c ..... 3	
		GSB 211a ..... 3		GSB 211b ..... 3	
GSC 100 or 101 ..... 3		GSC 152 ..... 3		GSC 151 ..... 3	
GSD 101a ..... 3		GSD 101b ..... 3		GSD 103 ..... 3	
GSD 114a <sup>1</sup> ..... 3		GSD 114b ..... 3		GSD 114d ..... 3	
GSE PE ..... 1		GSE PE ..... 1		GSE PE ..... 1	
Mgt 170 <sup>2</sup> ..... 4					
17		16		16	

*Second Year*

GSA 201a ..... 3	GSA 201b ..... 3	GSA 200 ..... 3
GSB 211c ..... 3	GSB 311 ..... 3	GSC 251c ..... 3
GSC 251a ..... 3	GSC 251b ..... 3	GSE 201 ..... 3
Acct 251a ..... 4	Acct 251b ..... 4	Acct 251c ..... 4
Econ 210 ..... 5	Mgt 271 <sup>2</sup> ..... 4	Mktg 230 ..... 5
18	17	18

*Third Year*

GSA-3 ..... 3	GSA-3 ..... 3	Econ 310 ..... 4
GSB-3 ..... 3	GSC-3 ..... 3	Econ 330 ..... 4
GSC-3 ..... 3	Econ 440 ..... 4	Econ 441 ..... 4
Econ 315 ..... 4	Mgt 320 ..... 5	Mgt 340 ..... 4
Mgt 371 ..... 4	15	16
17		

*Fourth Year*

Econ 470 ..... 3	Econ 328 ..... 4	Econ 418 ..... 4
Mgt 380 ..... 4	Econ 481 ..... 3	Econ 450 ..... 3
Electives ..... 8	Mgt 473 ..... 4	Electives ..... 6
15	14	13

No specific third level courses are suggested at this time. The student should consult his adviser.

<sup>1</sup> One who does not qualify for this course should take Math 100-0.

<sup>2</sup> The student concentrating in economics is not required to take Mgt 170-4 or Mgt 271-4. He should consult with an economics faculty adviser as to whether he should take either of these courses.

EARLY CHILDHOOD EDUCATION

EDUCATION DIVISION

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a ..... 3		GSA 101b ..... 3		GSA 101c ..... 3	
GSB 101a ..... 3		GSB 101b ..... 3		GSB 101c ..... 3	
GSC 100 or 101 ..... 3		GSD 101b ..... 3		GSD 103 ..... 3	
GSD 101a ..... 3		GSD 112b ..... 3		GSD 112c ..... 3	
GSD 112a ..... 3		GSE PE ..... 1		GSE PE ..... 1	
GSE PE ..... 1		Mus 040 (or proficiency) ..... 1		Mus 040 (or proficiency) ..... 1	
		Elective ..... 2		Elective ..... 2	
16		16		16	

*Second Year*

GSA 201a ..... 3	GSA 201b ..... 3	GSA 201c ..... 3
GSB 201a ..... 3	GSB 201b ..... 3	GSB 201c ..... 3
GSC 251a ..... 3	GSC 251b ..... 3	GSC 251c ..... 3
GSE 201 ..... 3	GSB 331 ..... 3	Govt 210 ..... 4
Mus 040 (or proficiency) ..... 1	Elective ..... 4	EdEl 203 ..... 3
GSB-3 ..... 3	16	16
16		

*Third Year*

Guid 305 ..... 4	SpEd 428 ..... 4	Math 210 ..... 4
Art 300 ..... 4	EdEl 316 ..... 4	EdEl 337 ..... 4
PEW 350 ..... 4	GSC-3 (Lang. Arts) ..... 3	GSC-3 ..... 3
EdAd 355 ..... 4	Mus 200 ..... 3	Art 300 ..... 4
16	17	15

*Fourth Year*

IM 417 .....	4	GSA-3 (Nat. Sci.) .....	3	Student Teaching .....	4
GSA-3 (Nat. Sci.) .....	3	Hist 201 .....	4	EdEl 313 .....	4
Mus 300 .....	3	Student Teaching .....	8	Educ. elective .....	9
Elective .....	6				
	<u>16</u>		<u>15</u>		<u>17</u>

ELEMENTARY EDUCATION

*First Year*

FALL	HOURS	WINTER	HOURS
GSA 101a .....	3	GSA 101b .....	3
GSB 101a .....	3	GSB 101b .....	3
GSC 100 .....	3	GSC 101 .....	3
GSD 101a .....	3	GSD 101b .....	3
GSD 112a .....	3	GSD 112b .....	3
GSE PE .....	1	GSE PE .....	1
	<u>16</u>		<u>16</u>

*Second Year*

GSA 201a .....	3	GSA 201b .....	3
GSB 201a .....	3	GSB 201b .....	3
GSC 251a .....	3	GSC 251b .....	3
		GSB 331 .....	3
Electives .....	7	Elective .....	4
	<u>16</u>		<u>16</u>

*Third Year*

Guid 305 .....	4	Educ. Elective .....	4
Art 300 .....	4	EdEl 314 .....	4
PEW 350 .....	4	GSC-3 (Lit.) .....	3
EdAd 355 .....	4	Mus 200 .....	3
		Eng 391 .....	3
	<u>16</u>		<u>17</u>

*Fourth Year*

IM 417 .....	4	GSA-3 (Nat. Sci.)	
GSA-3 (Nat. Sci.)		elective .....	4
elective .....	3	Hist 201 .....	4
Music 300 .....	3	EdEl 313 .....	4
GSB-3 .....	6	Educ. elective .....	4
	<u>16</u>		<u>16</u>

ENGLISH

*First Year*

FALL	HOURS	WINTER	HOURS
GSA 101a .....	3	GSA 101b .....	3
GSB 101a .....	3	GSB 101b .....	3
GSC 152 .....	3	GSC 100 or 101 .....	3
GSD 101a .....	3	GSD 101b .....	3
GSD FL & conversation .....	4	GSD FL & conversation .....	4
GSD 112a (optional) (3)		GSD 112b (optional) (3)	
GSE PE .....	1	GSE PE .....	1
	<u>17</u>		<u>17</u>

EDUCATION DIVISION

SPRING	HOURS
GSA 101c .....	3
GSB 101c .....	3
GSE 201 .....	3
GSD 103 .....	3
GSD 112c .....	3
GSE PE .....	1
	<u>16</u>

GSA 201c .....	3
GSB 201c .....	3
GSC 251c .....	3
Govt 210 .....	4
EdEl 203 .....	3
	<u>16</u>

Math 210 .....	4
EdEl 337 .....	4
Art 300 .....	4
GSC-3 .....	3
	<u>15</u>

Student Teaching .....	8
Educ. electives .....	6
Elective .....	2
	<u>16</u>

HUMANITIES DIVISION

SPRING	HOURS
GSA 101c .....	3
GSB 101c .....	3
GSC 151 .....	3
GSD 103 .....	3
GSD FL & conversation .....	4
GSD 112c (optional) (3)	
GSE PE .....	1
	<u>17</u>

*Second Year*

GSA 201a ..... 3	GSA 201b ..... 3	GSA 201c ..... 3
GSB 201a or 211a ..... 3	GSB 201b or 211b ..... 3	GSB 201c or 211c ..... 3
GSC 251a ..... 3	GSC 251b ..... 3	GSC 251c ..... 3
GSE 201 ..... 3	Elective ..... 3	Elective ..... 3
FL 201a and 220 ..... 5	FL 201b and 220 ..... 5	FL 201c and 220 ..... 5
<u>17</u>	<u>17</u>	<u>17</u>

*Third Year*

Eng 302a ..... 4	Eng 302b ..... 4	Eng 302c ..... 4
Eng 300 ..... 4	Eng 309a ..... 4	Eng 309b ..... 4
GSA-3 ..... 3	GSA-3 ..... 3	Electives ..... 9
GSB-3 ..... 3	GSB-3 ..... 3	
GSC-3 ..... 3	GSC-3 ..... 3	
<u>17</u>	<u>17</u>	<u>17</u>

*Fourth Year*

Eng 365 ..... 4	Eng 499 ..... 2	Eng electives ..... 8
Eng electives ..... 4	Eng electives ..... 4	Electives ..... 9
Electives ..... 9	Electives ..... 11	
<u>17</u>	<u>17</u>	<u>17</u>

FOREIGN LANGUAGES

FALL	HOURS
GSA 101a ..... 3	
GSB 101a ..... 3	
GSC 152 ..... 3	
GSD 101a ..... 3	
GSE PE ..... 1	
GSD 123a, 126a, 136a, or 140a <sup>1</sup> ..... 3	
Fr 123Ca, Ger 126Ca, Russ 136Ca, or Span 140Ca <sup>2</sup> ..... 1	
<u>17</u>	

*First Year*

WINTER	HOURS
GSA 101b ..... 3	
GSB 101b ..... 3	
GSC 100 or 101 ..... 3	
GSD 101b ..... 3	
GSE PE ..... 1	
GSD 123b, 126b, 136b, or 140b <sup>1</sup> ..... 3	
Fr 123Cb, Ger 126Cb, Russ 136Cb, or Span 140Cb <sup>2</sup> ..... 1	
<u>17</u>	

HUMANITIES DIVISION

SPRING	HOURS
GSA 101c ..... 3	
GSB 101c ..... 3	
GSC 151 ..... 3	
GSD 103 ..... 3	
GSE PE ..... 1	
GSD 123c, 126c, 136c, or 140c <sup>1</sup> ..... 3	
Fr 123Cc, Ger 126Cc, Russ 136Cc, or Span 140Cc <sup>2</sup> ..... 1	
<u>17</u>	

*Second Year*

GSA 201a ..... 3	GSA 201b ..... 3	GSA 201c ..... 3
GSB 201a or 211a ..... 3	GSB 201b or 211b ..... 3	GSB 201c or 211c ..... 3
GSC 251a ..... 3	GSC 251b ..... 3	GSC 251c ..... 3
GSE 201 ..... 3	Elective ..... 3	Elective ..... 3
Fr, Ger, Russ, or Span 201a <sup>3</sup> ..... 3	Fr, Ger, Russ, or Span 201b <sup>3</sup> ..... 3	Fr, Ger, Russ, or Span 201c <sup>3</sup> ..... 3
Fr, Ger, Russ, or Span 220 ..... 2	Fr, Ger, Russ, or Span 220 ..... 2	Fr, Ger, Russ, or Span 220 ..... 2
<u>17</u>	<u>17</u>	<u>17</u>

*Third Year*

GSA-3 ..... 3	GSA-3 ..... 3	Eng-3 ..... 3
GSB-3 ..... 3	GSB-3 ..... 3	Hist-3 (related to concentration) ..... 3
GSC-3 ..... 3-4	GSC-3 ..... 3-4	FL-3 <sup>4</sup> (Fr, Span, Ger) ..... 3-4
FL-3 <sup>4</sup> (Fr, Span, Ger) ..... 3-4	FL-3 <sup>4</sup> (Fr, Span, Ger) ..... 3-4	Minor or electives ..... 6-8
Minor or elective ..... 3-4	Minor or elective ..... 3-4	
<u>15-17</u>	<u>15-17</u>	<u>15-17</u>



*Fourth Year*

FL-3 or FL-4 <sup>5</sup> ..... 3-5	FL-3 or FL-4 <sup>5</sup> ..... 3-5	FL-3 or FL-4 <sup>5</sup> ..... 3-5
Minor and electives <u>10-12</u>	Minor and electives <u>10-12</u>	Minor and electives <u>10-12</u>
15-17	15-17	15-17

<sup>1</sup> One who has completed more than one year of French, Spanish, German, or Russian in high school should consult with FL faculty before registering for a course in the same language.

<sup>2</sup> The conversation courses can be taken only by concurrent registration in the corresponding beginning courses.

<sup>3</sup> One who has completed 201-9 (or the equivalent) in French, Spanish, or German should substitute 311 in the same language.

<sup>4</sup> If fewer than 15 hours toward the concentration have been completed by the beginning of the third year, additional FL courses should be taken to insure a minimum of 29 hours toward the concentration by the end of the third year.

<sup>5</sup> If fewer than 29 hours toward the concentration have been completed by the beginning of the fourth year, additional FL courses should be taken to insure a minimum of 42 hours in the language of concentration.

GEOGRAPHY

EDUCATION OR SOCIAL SCIENCES DIVISION

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a .....	3	GSA 101b .....	3	GSA 101c .....	3
GSB 101a .....	3	GSB 101b .....	3	GSB 101c .....	3
GSC 100 or 101 .....	3	GSC 151 .....	3	GSC 152 .....	3
GSD 155a or 114a <sup>1</sup> .....	3	GSD 155b or 114b .....	3	GSD 155c or 114c <sup>2</sup> .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
	<u>16</u>		<u>16</u>		<u>16</u>

*Second Year*

GSA 201a .....	3	GSA 201b .....	3	GSA 201c or 200 .....	3
GSB 201a or 211a .....	3	GSB 201b or 211b .....	3	GSB 201c or 211c .....	3
GSC 251a .....	3	GSC 251b .....	3	GSC 251c .....	3
GSD FL <sup>3</sup> .....	3	GSD FL .....	3	GSD FL .....	3
Elective .....	4	GSE 201 .....	3	Geog 302 .....	4
	<u>16</u>		<u>15</u>		<u>16</u>

*Third Year*

GSA 330 .....	3	GSA 331 .....	3	GSA-3 .....	3
GSB 354 or GSB-3 .....	3	GSB-3 .....	3	Geog 308 .....	3
GSC-3 .....	3	GSC-3 .....	3	Geog 310a .....	3
Geog 304 .....	4	Geog 306 .....	4	Elective .....	4
Elective .....	4	Elective .....	4	Elective .....	4
	<u>17</u>		<u>17</u>		<u>17</u>

*Fourth Year*

Meet requirements in geography concentration, secondary concentration, and other degree requirements.

<sup>1</sup> Cartography students must take GSD 114-9, also Geog 310a sometime in second year.

<sup>2</sup> GSD 167-3 is recommended in spring quarter for non-cartography concentrations.

<sup>3</sup> Foreign language not required for B.S. in Ed. degree.

GOVERNMENT

SOCIAL SCIENCES DIVISION

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a .....	3	GSA 101b .....	3	GSA 101c .....	3
GSB 101a .....	3	GSB 101b .....	3	GSB 101c .....	3
GSC 152 .....	3	GSC 101 or 100 .....	3	GSC 151 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSD FL .....	3	GSD FL .....	3	GSD FL .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
	<u>16</u>		<u>16</u>		<u>16</u>

*Second Year*

GSA 201a ..... 3	GSA 201b ..... 3	GSA 201c ..... 3
GSB 201a or 211a ..... 3	GSB 201b or 211b ..... 3	GSB 201c or 211c ..... 3
GSC 251a ..... 3	GSC 251b or 251c ..... 3	GSC 251c or 251b or 203 or 255 ..... 3
Gov 210 ..... 4	Gov 232 ..... 4	Gov (300 level) ..... 4-5
GSE 201 ..... 3	Elective ..... 3-4	Elective ..... 3-4
<u>16</u>	<u>16-17</u>	<u>17-18</u>

*Third Year*

GSA-3 ..... 3	GSA-3 ..... 3	Gov ..... 8
GSB-3 ..... 3	GSB-3 ..... 3	Minor, Electives ..... 8
GSC-3 ..... 3	GSC-3 ..... 3	
Gov ..... 4	Gov ..... 4	
Minor, Electives ..... 3-4	Minor, Electives ..... 3-4	
<u>16-17</u>	<u>16-17</u>	<u>16</u>

*Fourth Year*

Gov ..... 8	Gov ..... 9	Electives ..... 16
Minor, Electives ..... 8	Minor, Electives ..... 7	
<u>16</u>	<u>16</u>	<u>16</u>

HISTORY

FALL	HOURS
GSA 101a ..... 3	
GSB 101a ..... 3	
GSC 152 ..... 3	
GSD 101a ..... 3	
GSD FL ..... 3	
GSE PE ..... 1	
	<u>16</u>

GSA 201a ..... 3	
GSB 201a or 211a ..... 3	
GSC 251a ..... 3	
Hist 100 ..... 3	
Phil 200 ..... 4	
	<u>16</u>

GSA-3 ..... 3	
GSB-3 ..... 3	
GSC-3 ..... 3	
Hist elective ..... 3-4	
Minor ..... 4	
	<u>16-17</u>

Hist 452 ..... 3	
Hist elective ..... 3	
Minor ..... 4	
Electives ..... 6	
	<u>16</u>

*First Year*

WINTER	HOURS
GSA 101b ..... 3	
GSB 101b ..... 3	
GSC 100 or 101 ..... 3	
GSD 101b ..... 3	
GSD FL ..... 3	
GSE PE ..... 1	
	<u>16</u>

*Second Year*

GSA 201a ..... 3	
GSB 201b or 211b ..... 3	
GSC 251b or 251c ..... 3	
Hist 201a ..... 4	
GSE 201 ..... 3	
	<u>16</u>

*Third Year*

GSA-3 ..... 3	
GSB-3 ..... 3	
GSC-3 ..... 3	
Hist elective ..... 3-4	
Minor ..... 4	
	<u>16-17</u>

*Fourth Year*

Hist elective ..... 4	
Minor ..... 4	
Electives ..... 8	
	<u>16</u>

SOCIAL SCIENCES DIVISION

SPRING	HOURS
GSA 101c ..... 3	
GSB 101c ..... 3	
GSC 151 ..... 3	
GSD 103 ..... 3	
GSD FL ..... 3	
GSE PE ..... 1	
	<u>16</u>

GSA 201c ..... 3	
GSB 201c or 211c ..... 3	
GSC 251c, 251b, 203, or 255 ..... 3	
Hist 201b ..... 4	
Elective ..... 3-4	
	<u>16-17</u>

Hist electives ..... 8	
Minor ..... 4	
Electives ..... 4	
	<u>16</u>

Hist elective ..... 4	
Minor ..... 4	
Electives ..... 8	
	<u>16</u>

MANAGEMENT (FINANCE)

BUSINESS DIVISION

(For students who matriculated in or subsequent to September, 1962)

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a .....	3	GSA 101b .....	3	GSA 101c .....	3
GSC 100 or 101 .....	3	GSB 211a .....	3	GSB 211b .....	3
GSD 101a .....	3	GSC 152 .....	3	GSC 151 .....	3
GSD 114a <sup>1</sup> .....	3	GSD 101b .....	3	GSD 103 .....	3
GSE PE .....	1	GSD 114b .....	3	GSD 167 .....	3
Mgt 170 .....	4	GSE PE .....	1	GSE PE .....	1
	<u>17</u>		<u>16</u>		<u>16</u>

*Second Year*

GSA 201a .....	3	GSA 201b .....	3	GSA 200 .....	3
GSB 211c .....	3	GSB 311 .....	3	GSC 251c .....	3
GSC 251a .....	3	GSC 251b .....	3	GSE 201 .....	3
Acct 251a .....	4	Acct 251b .....	4	Acct 251c .....	4
Econ 210 .....	5	Mgt 271 .....	4	Mktg 230 .....	5
	<u>18</u>		<u>17</u>		<u>18</u>

*Third Year*

GSA-3 .....	3	GSA-3 .....	3	Mgt 320 .....	5
GSB-3 .....	3	GSC-3 .....	3	Mgt 327 .....	4
GSC-3 .....	3	Mgt 361 .....	3	Mgt 385 .....	4
Mgt 340 .....	4	Mgt 372 or 373 .....	4	Econ 315 .....	4
Mgt 371 .....	4	Econ 310 .....	4		
	<u>17</u>		<u>17</u>		<u>17</u>

*Fourth Year*

Mgt 323 .....	4	Mgt 421 .....	4	Mgt 475 .....	4
Mgt 328 .....	3	Electives .....	8	Electives .....	8
Mktg 334, 341, or 438 ..	4				
Electives .....	4				
	<u>15</u>		<u>12</u>		<u>12</u>

<sup>1</sup> One who does not qualify for this course should take Math 100-0.

No specific 300-level GS courses are suggested at this time. The student should consult his adviser.

MANAGEMENT (GENERAL BUSINESS)

BUSINESS DIVISION

(For students who matriculated in or subsequent to September, 1962)

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a .....	3	GSA 101b .....	3	GSA 101c .....	3
GSC 100 or 101 .....	3	GSB 211a .....	3	GSB 211b .....	3
GSD 101a .....	3	GSC 152 .....	3	GSC 151 .....	3
GSD 114a <sup>1</sup> .....	3	GSD 101b .....	3	GSD 103 .....	3
GSE PE .....	1	GSD 114b .....	3	GSD 167 .....	3
Mgt 170 .....	4	GSE PE .....	1	GSE PE .....	1
	<u>17</u>		<u>16</u>		<u>16</u>

*Second Year*

GSA 201a ..... 3	GSA 201b ..... 3	GSA 200 ..... 3
GSB 211c ..... 3	GSB 311 ..... 3	GSC 251c ..... 3
GSC 251a ..... 3	GSC 251b ..... 3	GSE 201 ..... 3
Acct 251a ..... 4	Acct 251b ..... 4	Acct 251c ..... 4
Econ 210 ..... 5	Mgt 271 ..... 4	Mktg 230 ..... 5
<u>18</u>	<u>17</u>	<u>18</u>

*Third Year*

GSA-3 ..... 3	GSA-3 ..... 3	Mgt 320 ..... 5
GSB-3 ..... 3	GSC-3 ..... 3	Mgt 327 ..... 4
GSC-3 ..... 3	Mgt 361 ..... 3	Mgt 385 ..... 4
Mgt 340 ..... 4	Mgt 372 or 373 ..... 4	Econ 315 ..... 4
Mgt 371 ..... 4	Econ 310 ..... 4	<u>4</u>
<u>17</u>	<u>17</u>	<u>17</u>

*Fourth Year*

Mgt 380 ..... 4	Mgt 421 ..... 4	Mgt 479 ..... 4
Mktg 334, 341, or 438 .. 4	Mgt 473 ..... 4	Electives ..... 7
Electives ..... 8	Electives ..... 4	<u>11</u>
<u>16</u>	<u>12</u>	

No specific 300-level GS courses are suggested at this time. The student should consult his adviser.

<sup>1</sup> One who does not qualify for this course should take Math 100-0.

MANAGEMENT (PERSONNEL)

BUSINESS DIVISION

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a ..... 3		GSA 101b ..... 3		GSA 101c ..... 3	
		GSB 211a ..... 3		GSB 211b ..... 3	
GSC 100 or 101 ..... 3		GSC 152 ..... 3		GSC 151 ..... 3	
GSD 101a ..... 3		GSD 101b ..... 3		GSD 103 ..... 3	
GSD 114a <sup>1</sup> ..... 3		GSD 114b ..... 3		GSD 114d ..... 3	
GSE PE ..... 1		GSE PE ..... 1		GSE PE ..... 1	
Mgt 170 ..... 4					
<u>17</u>		<u>16</u>		<u>16</u>	

*Second Year*

GSA 201a ..... 3	GSA 201b ..... 3	GSA 200 ..... 3
GSB 211c ..... 3	GSB 311 ..... 3	GSC 251c ..... 3
GSC 251a ..... 3	GSC 251b ..... 3	GSE 201 ..... 3
Acct 251a ..... 4	Acct 251b ..... 4	Acct 251c ..... 4
Econ 210 ..... 5	Mgt 271 ..... 4	Mktg 230 ..... 5
<u>18</u>	<u>17</u>	<u>18</u>

*Third Year*

GSA-3 ..... 3	GSA-3 ..... 3	Mgt 320 ..... 5
GSB 253 ..... 3	GSB-3 ..... 3	Mgt 380 ..... 4
GSC-3 ..... 3	GSC-3 ..... 3	Mgt 385 ..... 4
Mgt 340 ..... 4	Mgt 361 ..... 3	Econ 310 ..... 4
Mgt 371 ..... 4	Mgt 372 or 373 ..... 4	<u>4</u>
<u>17</u>	<u>16</u>	<u>17</u>

*Fourth Year*

Mgt 382 or Econ 411	3-4	Mgt 480	4	Mgt 481	4
Econ 315	4	Mgt 485	4		
Electives	9-8	Electives	4	Electives	8
	<u>16</u>		<u>12</u>		<u>12</u>

<sup>1</sup> One who does not qualify for this course should take Math 100-0.  
 No specific 300-level GS courses are suggested at this time. The student should consult his adviser.

MARKETING

BUSINESS DIVISION

(For students who matriculated in or subsequent to September, 1962)

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
		GSB 211a	3	GSB 211b	3
GSC 100 or 101	3	GSC 152	3	GSC 151	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 114a <sup>1</sup>	3	GSD 114b	3	GSD 114d	3
GSE PE	1	GSE PE	1	GSE PE	1
Mgt 170	4				
	<u>17</u>		<u>16</u>		<u>16</u>

*Second Year*

GSA 201a	3	GSA 201b	3	GSA 200	3
GSB 211c	3	GSB 311	3		
GSC 251a	3	GSC 251b	3	GSC 251c	3
				GSE 201	3
Acct 251a	4	Acct 251b	4	Acct 251c	4
Econ 210	5	Mgt 361	3	Mktg 230	5
	<u>18</u>		<u>16</u>		<u>18</u>

*Third Year*

GSA-3	3	GSA-3	3		
GSB-3	3			Mktg <sup>2</sup>	3-4
GSC-3	3	GSC-3	3	Mktg <sup>3</sup>	3-4
Mktg <sup>2</sup>	3-4	Mktg <sup>2</sup>	3-4	Mgt 320	5
		Mktg <sup>3</sup>	3-4	Mgt 373	4
Mgt 371	4	Mgt 340	4		
	<u>16-17</u>		<u>16-18</u>		<u>15-17</u>

*Fourth Year*

Mktg <sup>3</sup>	3-4	Mktg 438 or 463	3-4	Mktg 490	4
Econ 315	4	Mktg 444	4		
Electives	8	Electives	4	Electives	10-7
	<u>15-16</u>		<u>11-12</u>		<u>14-11</u>

No specific third level courses are suggested at this time. The student should consult his adviser.

<sup>1</sup> One who does not qualify for this course should take Math 100-0.

<sup>2</sup> Any one of the following courses: Mktg 331, 335, 338, 339, 349.

<sup>3</sup> Any one of the following courses: Mktg 333, 334, 336, 337, 341.

MATHEMATICS (WITH PHYSICS)

EDUCATION OR SCIENCE AND TECHNOLOGY DIVISION

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSB 101a	3	GSB 101b	3	GSB 101c	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSE PE	1	GSE PE	1	GSE PE	1
Math 150a <sup>1</sup>	4	Math 150b	4	Math 252a	4
Chem 111a <sup>2</sup>	5	Chem 111b <sup>2</sup>	5	Chem 111c <sup>2</sup>	5
	<u>16</u>		<u>16</u>		<u>16</u>

*Second Year*

GSA 201a ..... 3	GSA 201b ..... 3	GSA 201c ..... 3
GSB 201a or 211a ..... 3	GSB 201b or 211b ..... 3	GSB 201c or 211c ..... 3
GSC 151 ..... 3	GSC 152 ..... 3	GSC 101 ..... 3
Math 252b ..... 4	Math 300 ..... 4	Math 320a ..... 3
Phys 211a ..... 5	Phys 211b ..... 5	Phys 211c ..... 5
<u>18</u>	<u>18</u>	<u>17</u>

*Third Year*

GSA-3 ..... 3	GSA-3 ..... 3	GSC 251c or 251b or 203 or 255 ..... 3
GSC 251a ..... 3	GSC 251b or 251c ..... 3	GSD FL ..... 3
GSD FL ..... 3	GSD FL ..... 3	GSE 201 ..... 3
Math 320b ..... 3	Math <sup>3</sup> ..... 3	Math <sup>3</sup> ..... 3
Phys 300 ..... 5	Phys electives ..... 4	Phys electives ..... 4
<u>17</u>	<u>16</u>	<u>16</u>

*Fourth Year*

GSB-3 ..... 3	GSB-3 ..... 3	Electives ..... <u>16</u>
GSC-3 ..... 3	GSC-3 ..... 3	
Math electives ..... 4	Math electives ..... 4	
Electives ..... 7	Electives ..... 7	
<u>17</u>	<u>17</u>	<u>16</u>

<sup>1</sup>If student needs Math 111a,b, to start Math 150a, ten more hours of math will be required.

<sup>2</sup>Recommended electives.

<sup>3</sup>One of the sequences 452a,b or 480a,b or a geometry sequence of 2 courses above 299 must be completed.

MUSIC (B.A.)

FINE ARTS DIVISION

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSB 101a ..... 3		GSB 101b ..... 3		GSB 101c ..... 3	
GSD 101a ..... 3		GSD 101b ..... 3		GSD 103 ..... 3	
GSD Math or FL ..... 3		GSD Math or FL ..... 3		GSD Math or FL ..... 3	
GSE PE ..... 1		GSE PE ..... 1		GSE PE ..... 1	
Music 105a <sup>1</sup> ..... 4		Music 105b <sup>1</sup> ..... 4		Music 105c <sup>1</sup> ..... 4	
Music (applied) ..... 2		Music (applied) ..... 2		Music (applied) ..... 2	
Music (ensemble) ..... 1		Music (ensemble) ..... 1		Music (ensemble) ..... 1	
<u>17</u>		<u>17</u>		<u>17</u>	

*Second Year*

GSA 101a ..... 3	GSA 101b ..... 3	GSA 101c ..... 3
GSB 201a ..... 3	GSB 201b ..... 3	GSB 201c ..... 3
GSC 251a ..... 3	GSC 251b ..... 3	GSE 201 ..... 3
Music 205a <sup>1</sup> ..... 3	Music 205b <sup>1</sup> ..... 3	Music 205c <sup>1</sup> ..... 3
Music (applied) ..... 2	Music (applied) ..... 2	Music (applied) ..... 2
Music (ensemble) ..... 1	Music (ensemble) ..... 1	Music (ensemble) ..... 1
<u>15</u>	<u>15</u>	<u>15</u>

*Third Year*

GSA 201a ..... 3	GSA 201b ..... 3	GSA 201c ..... 3
GSB-3 ..... 3	GSB-3 ..... 3	GSC 357c ..... 3
GSA 361 ..... 3	GSA-3 ..... 3	Music (elective) ..... 1
GSC 357a ..... 3	GSC 357b ..... 3	Elective ..... 3
Music (elective) ..... 1-3	Music (elective) ..... 1-3	Elective ..... 3
Elective ..... 2-3	Elective ..... 2-3	
<u>15-18</u>	<u>15-18</u>	<u>13-15</u>

*Fourth Year*  
(Secondary Concentration Requirements 24-27 hours)

Electives .....16      Electives .....16      Electives .....16

<sup>1</sup> Private or class piano may be required in conjunction with Music 105 and 205.

The student is expected to proficiency GSC 255 to complete 9 hours in GSC-2.

MUSIC EDUCATION (B. MUS.)

FINE ARTS DIVISION

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSD Math or FL <sup>1</sup> .....	3	GSD Math or FL <sup>1</sup> .....	3	GSD Math or FL <sup>1</sup> .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
Music 105a .....	4	Music 105b .....	4	Music 105c .....	4
Music (applied) .....	2	Music (applied) .....	2	Music (applied) .....	2
Music (ensemble) .....	1	Music (ensemble) .....	1	Music (ensemble) .....	1
Music (class piano) <sup>2</sup> ..	1	Music (class piano) <sup>2</sup> ..	1	Music (class piano) <sup>2</sup> ..	1
Music (class inst.) .....	1	Music (class inst.) .....	1	Music (class inst.) .....	1
	16		16		16

*Second Year*

GSA 101a .....	3	GSA 101b .....	3	GSA 101c .....	3
GSB 101a .....	3	GSB 101b .....	3	GSB 101c .....	3
GSB 201a .....	3	GSB 201b .....	3	GSB 201c .....	3
GSC 251a .....	3	GSC 251b .....	3	GSE 201 .....	3
Music 205a .....	3	Music 205b .....	3	Music 205c .....	3
Music (applied) .....	2	Music (applied) .....	2	Music (applied) .....	2
Music (class piano) <sup>2</sup> ..	1	Music (class piano) .....	1	Music (class piano) .....	1
Music (class inst.) .....	1	Music (class inst.) .....	1	Music (class inst.) .....	1
Music (ensemble) .....	1	Music (ensemble) .....	1	Music (ensemble) .....	1
	20		20		20

*Third Year*

GSA 201a <sup>3</sup> .....	3	GSA 201b <sup>3</sup> .....	3	GSA 201c <sup>3</sup> .....	3
GSB 331 .....	3	GSB-3 .....	3	Music 326a .....	3
GSC 357a .....	3	GSC 357b .....	3	GSC 357c .....	3
Music 301a .....	3	Music 301b .....	3	Music 301c .....	3
Music 318a .....	3	Music 318b .....	3	Music 309a .....	3
Music (applied) .....	1	Music (applied) .....	1	Music (applied) .....	1
Music (ensemble) .....	1	Music (ensemble) .....	1	Music (ensemble) .....	1
Music (class voice) <sup>4</sup> ..	1	Music (class voice) <sup>4</sup> ..	1	Music (class voice) <sup>4</sup> ..	1
	18		18		18

*Fourth Year*

GSA 361 .....	3	GSA-3 .....	3	Ed Sec 352D <sup>5</sup> .....	8
Guid 305 .....	4	EdEd 351e <sup>5</sup> .....	4	Music (applied) .....	2
Music (applied) .....	2	Music (applied) .....	2	Music (ensemble) .....	1
Music (ensemble) .....	1	Music (ensemble) .....	1	Music (class inst.) .....	1
Music (class inst.) ..	1-2	Music (class inst.) ..	1-2		
Music 309b .....	2	Music (elective) .....	2		
	13-14		13-14		12

REQUIRED: 2 quarters of class strings, 2 quarters of class woodwinds, 2 quarters of class brass, and 1 quarter of class percussion.

<sup>1</sup> A music student who has successfully completed two years of high school foreign language is not required to take GSD mathematics or foreign language.

<sup>2</sup> 6 quarters of class piano, or proficiency, are required—use as elective hours if proficiency passed.

<sup>3</sup> Substitute GSA 200-3 for any one (GSA 201b,c).

<sup>4</sup> Three quarters required for all *except* voice majors.

<sup>5</sup> Student may choose EEd 351e-8 for spring quarter and/or Sec Ed 352d-4 for winter quarter—or 12 quarter hours in either, according to his interest field. Consult with adviser.

The student is expected to proficiency GSC 255 to complete 9 hours in GSC-2.

MUSIC PERFORMANCE (B. MUS.)

FINE ARTS DIVISION

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD Math or FL	3	GSD Math or FL	3	GSD Math or FL	3
GSE PE	1	GSE PE	1	GSE PE	1
Music 105a <sup>1</sup>	4	Music 105b <sup>1</sup>	4	Music 105c <sup>1</sup>	4
Music (applied)	4	Music (applied)	4	Music (applied)	4
Music (ensemble)	1	Music (ensemble)	1	Music (ensemble)	1
	<u>16</u>		<u>16</u>		<u>16</u>

*Second Year*

GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB 101a	3	GSB 101b	3	GSB 101c	3
GSC 251a	3	GSC 251b	3	GSE 201	3
Music 205a <sup>1</sup>	3	Music 205b <sup>1</sup>	3	Music 205c <sup>1</sup>	3
Music (applied)	4	Music (applied)	4	Music (applied)	4
Music (ensemble)	1	Music (ensemble)	1	Music (ensemble)	1
	<u>17</u>		<u>17</u>		<u>17</u>

*Third Year*

GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 201a	3	GSB 201b	3	GSB 201c	3
GSC 357a	3	GSC 357b	3	GSC 357c	3
Music (applied)	4	Music (applied)	4	Music (applied)	4
Music (ensemble)	1	Music (ensemble)	1	Music (ensemble)	1
Music (elective)	2-3	Music (elective)	2-3	Music (elective)	2-3
	<u>16-17</u>		<u>16-17</u>		<u>16-17</u>

*Fourth Year*

GSA 361	3	GSA-3	3	Music (elective)	3
GSB-3	3	GSB-3	3	Music (elective)	3
Music (elective)	3	Music (elective)	3	Music (recital)	2
Music (applied)	4	Music (applied)	4	Music (applied)	4
Music (ensemble)	1	Music (ensemble)	1	Music (ensemble)	1
Music 318a	3	Music 326a	3	Music 326b	3
	<u>17</u>		<u>17</u>		<u>16</u>

<sup>1</sup>Private or class piano may be required in conjunction with Music 105 and 205. The student is expected to proficiency GSC 255 to complete 9 hours in GSC-2.

NURSING

DEPARTMENT OF NURSING

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS	SUMMER	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3	GSA 201a	3
GSB 201b	3	GSB 201b	3	GSB 201c	3		
GSC 100 or 101	3	GSC 152	3	GSC 151	3	GSC 251	3
GSD 101a	3	GSD 101b	3	GSD 103	3	GSE PE	1
GSD Math or FL	3	GSD Math or FL	3	GSD Math or FL	3	GSE PE	1
Nurs 101a	1	Nurs 101b	1	Nurs 101c	1	Chem 240	4
	<u>16</u>		<u>16</u>		<u>16</u>		<u>12</u>

*Second Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 201b	3	GSA 201c	3	GSA-3	3
GSC 251b	3	GSC 253	3		
GSE PE	1			GSE 201	3
		Nurs 210	2	Nurs 303	3
Bio Sci 301	5	Bio Sci 358	4	Bio Sci 359	4
Phil 302	4	Soc 340	4	Psyc 301	4
	<u>16</u>		<u>16</u>		<u>17</u>



*Third Year*

GSA-3 .....	3
GSB-3 .....	3
Nurs 301 .....	8
	<hr/>
	14

GSB-3 .....	3
Nurs 302 .....	8
Nurs 355 .....	4
	<hr/>
	15

GSC-3 .....	3
GSC-3 .....	3
Nurs 363a .....	9
	<hr/>
	15

*Fourth Year*

Nurs 325 .....	8
HED 355 .....	4
	<hr/>
	12

Nurs 375 .....	8
Nurs 363b .....	6
	<hr/>
	14

Nurs 384 .....	2
Nurs 363c .....	14
	<hr/>
	16

PHILOSOPHY

FALL	HOURS
GSA 101a .....	3
GSB 101a .....	3
GSC 152 .....	3
GSD 101a .....	3
GSD FL <sup>1</sup> .....	4
GSE PE .....	1
	<hr/>
	17

WINTER	HOURS
GSA 101b .....	3
GSB 101b .....	3
GSC 100 or 101 .....	3
GSD 101b .....	3
GSD FL <sup>1</sup> .....	4
GSE PE .....	1
	<hr/>
	17

HUMANITIES DIVISION

SPRING	HOURS
GSA 101c .....	3
GSB 101c .....	3
GSC 151 .....	3
GSD 103 .....	3
GSD FL <sup>1</sup> .....	4
GSE PE .....	1
	<hr/>
	17

*Second Year*

GSA 201a .....	3
GSB 201a or 211a .....	3
GSC 251a .....	3
GSE 201 .....	3
FL .....	3
	<hr/>
	15

GSA 201b .....	3
GSB 201b or 211b .....	3
GSC 251b .....	3
Phil 200 .....	4
FL .....	3
	<hr/>
	16

GSA 201c .....	3
GSB 201c or 211c .....	3
GSC 251c .....	3
Phil 240 .....	4
FL .....	3
	<hr/>
	16

*Third Year*

Phil 324 .....	4
GSB-3 .....	3
Phil 381a .....	4
Minor .....	4
	<hr/>
	15

GSA 363a .....	3
GSB-3 .....	3
GSC-3 .....	3
Phil 381b .....	4
Minor .....	4
	<hr/>
	17

GSA 363b .....	3
GSC-3 .....	3
Phil 381c .....	4
Minor .....	6
	<hr/>
	16

*Fourth Year*

Phil .....	8
Minor .....	4
Electives .....	4
	<hr/>
	16

Phil .....	8
Minor .....	4
Electives .....	4
	<hr/>
	16

Phil 490 .....	4
Minor .....	4
Electives .....	8
	<hr/>
	16

<sup>1</sup> Includes Foreign Language Conversation.

PHYSICAL EDUCATION

FALL	HOURS
GSA 101a .....	3
GSB 101a .....	3
GSC 101 .....	3
GSD 101a .....	3
GSD Math .....	3
GSE PE .....	1
PE <sup>1</sup> .....	1
	<hr/>
	16

WINTER	HOURS
GSA 101b .....	3
GSB 101b .....	3
GSC 152 .....	3
GSD 101b .....	3
GSD Math .....	3
GSE PE .....	1
PE <sup>1</sup> .....	1
	<hr/>
	16

EDUCATION DIVISION

SPRING	HOURS
GSA 101c .....	3
GSB 101c .....	3
GSC 151 .....	3
GSD 103 .....	3
GSD Math .....	3
GSE PE .....	1
PE <sup>1</sup> .....	1
	<hr/>
	16

*Second Year*

GSA 201a ..... 3	GSA 201b ..... 3	GSA 201c ..... 3
GSB 201a ..... 3	GSB 201b ..... 3	GSB 201c ..... 3
GSC 251a ..... 3	GSC 251b ..... 3	GSC 251c ..... 3
	GSE 201 ..... 3	
Electives ..... <u>6-8</u>	Electives ..... <u>3-4</u>	Electives ..... <u>6-8</u>
15-17	15-17	15-17

*Third and Fourth Years*

At the time of declaring a concentration in physical education, the student should meet with his physical education adviser to discuss the concentration requirements (as they appear in the Divisional Announcements bulletin). The student should remember the 300-level GS requirements.

<sup>1</sup>Selected activity courses and methods at the 100-level as worked out with physical education advisers.

PSYCHOLOGY

EDUCATION OR SOCIAL SCIENCES DIVISION

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a ..... 3		GSA 101b ..... 3		GSA 101c ..... 3	
GSB 101a ..... 3		GSB 101b ..... 3		GSB 101c ..... 3	
GSC 152 ..... 3		GSC 101 ..... 3		GSC 151 ..... 3	
GSD 103 ..... 3		GSD 101a ..... 3		GSD 101b ..... 3	
GSD 112a ..... 3		GSD 112b ..... 3		GSD 112c ..... 3	
GSE PE ..... <u>1</u>		GSE PE ..... <u>1</u>		GSE PE ..... <u>1</u>	
	16		16		16

*Second Year*

GSA 201a ..... 3	GSA 201b ..... 3	GSA 201c ..... 3
GSB 201c ..... 3	GSB 201a ..... 3	GSB 201b ..... 3
GSC 251a ..... 3	GSC 251b or 251c ..... 3	GSC 251c, 251b, 203, or 255 ..... 3
GSE 201 ..... 3	Psyc 211 ..... 4	Psyc 301 or 303 ..... 4
Elective ..... <u>3-4</u>	Elective ..... <u>3</u>	Elective ..... <u>3</u>
	15-16	16
		16

*Third and Fourth Years*

At the time of declaring a concentration in psychology, the student should meet with his psychology adviser to discuss the concentration requirements (as they appear in the Divisional Announcements bulletin). Student must meet 3rd level G.S. requirements.

PHYSICS CURRICULUM (WITH MATH)

EDUCATION OR SCIENCE AND TECHNOLOGY DIVISION

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSB 101a ..... 3		GSB 101b ..... 3		GSB 101c ..... 3	
GSD 101a ..... 3		GSD 101b ..... 3		GSD 103 ..... 3	
GSE PE ..... 1		GSE PE ..... 1		GSE PE ..... 1	
Chem 111a ..... 5		Chem 111b ..... 5		Chem 111c ..... 5	
Math 111a ..... <u>5</u>		Math 111b ..... <u>5</u>		Math 150a ..... <u>4</u>	
	17		17		16

*Second Year*

GSA 201a ..... 3	GSA 201b ..... 3	GSA 201c ..... 3
GSC 151 ..... 3	GSC 152 ..... 3	GSC 101 ..... 3
GSD FL ..... 3	GSD FL ..... 3	GSD FL ..... 3
Math 150b ..... 4	Math 252a ..... 4	Math 252b ..... 4
Phys 211a ..... <u>5</u>	Phys 211b ..... <u>5</u>	Phys 211c ..... <u>5</u>
	18	18
		18

*Third Year*

GSB 201a or 211a .....	3	GSA-3 .....	3	GSA-3 .....	3
GSC 251a .....	3	GSB 201b or 211b .....	3	GSB 201c or 211c .....	3
Math 300 .....	4	GSC 251b or 251c .....	3	GSC 251c or 251b or 203 or 255 .....	3
Math 324 .....	3	Math 320a .....	3	Math 320b .....	3
Phys 300 .....	5	Phys 301a .....	4	Phys 301b .....	4
	<u>18</u>		<u>16</u>		<u>16</u>

*Fourth Year*

GSB-3 .....	3	GSB-3 .....	3		
GSC-3 .....	3	GSC-3 .....	3		
GSE 201 .....	3	Electives .....	3	Electives .....	10
Phys electives .....	7	Phys electives .....	7	Phys electives .....	6
	<u>16</u>		<u>16</u>		<u>16</u>

## PUBLIC ADMINISTRATION AND URBAN PLANNING

## SOCIAL SCIENCES DIVISION

Students are advised to follow the first two years of either the government or the geography program.

## SOCIOLOGY

## SOCIAL SCIENCES DIVISION

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a .....	3	GSA 101b .....	3	GSA 101c .....	3
GSB 101a .....	3	GSB 101b .....	3	GSB 101c .....	3
GSC 152 .....	3	GSC 100 or 101 .....	3	GSC 151 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSD 103 .....	3
GSD FL .....	3	GSD FL .....	3	GSD FL .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
	<u>16</u>		<u>16</u>		<u>16</u>

*Second Year*

GSA 201a .....	3	GSA 201b .....	3	GSA 201c .....	3
GSB 201a or 211a .....	3	GSB 201b or 211b .....	3	GSB 201c or 211c .....	3
GSC 251a .....	3	GSC 251b .....	3	GSC 251c .....	3
GSE 201 .....	3	Electives .....	8	Electives .....	8
Soc 101 .....	4				
	<u>16</u>		<u>17</u>		<u>17</u>

At the time of declaring a concentration in sociology or anthropology, the student should meet with his sociology or anthropology adviser to discuss the concentration requirements (as they appear in the Divisional Announcements bulletin). Student must meet 3rd level G.S. requirements.

## SPEECH

## EDUCATION OR FINE ARTS DIVISION

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a .....	3	GSA 101b .....	3	GSA 101c .....	3
GSB 101a .....	3	GSB 101b .....	3	GSB 101c .....	3
GSC 152 .....	3	GSC 101 or 100 .....	3	GSC 151 .....	3
GSD 103 .....	3	GSD 101a .....	3	GSD 101b .....	3
GSE PE .....	1	GSE PE .....	1	GSE PE .....	1
GSE 201 .....	3	Speech 102 .....	4	Speech 104 .....	4
	<u>16</u>		<u>17</u>		<u>17</u>

*Second Year*

GSA 201a ..... 3	GSA 201b ..... 3	GSA 201c ..... 3
GSB 201a or 211a ..... 3	GSB 201b or 211b ..... 3	GSB 201c or 211c ..... 3
GSC 251a ..... 3	GSC 251b or 203 ..... 3	GSC 251c or 203 ..... 3
GSD FL ..... 3	GSD FL ..... 3	GSD FL ..... 3
Speech 230 ..... 1	Speech 230 ..... 1	Speech 230 ..... 1
Speech electives ..... 3	Speech 202 ..... 3	Speech 224 ..... 4
<u>16</u>	<u>16</u>	<u>17</u>

*Third Year*

GSA-3 ..... 3	GSA-3 ..... 3	GSC 354b ..... 3
GSB-3 ..... 3	GSB-3 ..... 3	Speech 330 ..... 1
Speech 301 ..... 4	GSC 354a ..... 3	Speech electives ..... 4
Speech 330 ..... 1	Speech 330 ..... 1	Electives ..... 8
Electives ..... 6	Speech electives ..... 4	<u>16</u>
<u>17</u>	<u>14</u>	

*Fourth Year*

Speech electives ..... 4	Speech electives ..... 4	Speech electives ..... 4
Electives ..... 12	Electives ..... 12	Electives ..... 12
<u>16</u>	<u>16</u>	<u>16</u>

**THEATER**

FALL	HOURS
GSA 101a ..... 3	
GSB 101a ..... 3	
GSC 100 ..... 3	
GSD 103 ..... 3	
GSE PE ..... 1	
GSE 201 ..... 3	
<u>16</u>	

*First Year*

WINTER	HOURS
GSA 101b ..... 3	
GSB 101b ..... 3	
GSC 101 ..... 3	
GSD 101a ..... 3	
GSE PE ..... 1	
Speech 224 ..... 4	
<u>17</u>	

**FINE ARTS DIVISION**

SPRING	HOURS
GSA 101c ..... 3	
GSB 101c ..... 3	
GSC 151 ..... 3	
GSD 101b ..... 3	
GSE PE ..... 1	
Speech 104 ..... 4	
<u>17</u>	

*Second Year*

GSA 201a ..... 3	GSA 201b ..... 3	GSA 201c ..... 3
GSB 201a or 211a ..... 3	GSB 201b or 211b ..... 3	GSB 201c or 211c ..... 3
GSC 251a ..... 3	GSC 251b ..... 3	GSC 203 ..... 3
GSD FL ..... 3	GSD FL ..... 3	GSC 152 ..... 3
Theater 121a ..... 3	Theater 204 ..... 4	GSD FL ..... 3
<u>15</u>	<u>16</u>	Speech 230 ..... 1
		<u>16</u>

*Third Year*

GSA-3 ..... 3	GSA-3 ..... 3	English electives <sup>1</sup> ..... 4
GSB-3 ..... 3	GSB-3 ..... 3	Philosophy 360 ..... 4
Art 100 ..... 5	Theater 121b ..... 3	Speech 330 ..... 1
Speech 330 ..... 1	Theater 203 ..... 4	Electives ..... 6
Electives ..... 4	Electives ..... 3	<u>15</u>
<u>16</u>	<u>16</u>	

*Fourth Year*

English Elective ..... 4	Theater 402 ..... 4	Theater 439 ..... 4
Electives ..... 12	English Elective ..... 4	English Elective ..... 4
<u>16</u>	GSC 354a ..... 3	GSC 354b ..... 3
	Electives ..... 5	Electives ..... 5
	<u>16</u>	<u>16</u>

<sup>1</sup> See Divisional Announcements bulletin—Theater Concentration

ZOOLOGY (WITH CHEMISTRY)

SCIENCE AND TECHNOLOGY DIVISION

*First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a .....	3	GSA 101b .....	3	GSA 201c .....	3
GSA 201a .....	3	GSA 201b .....	3	GSB 101c .....	3
GSB 101a .....	3	GSB 101b .....	3	GSD 103 .....	3
GSD 101a .....	3	GSD 101b .....	3	GSE PE .....	1
GSE PE .....	1	GSE PE .....	1	Chem 111c .....	5
Chem 111a .....	5	Chem 111b .....	5		
	<hr/>		<hr/>		<hr/>
	18		18		15

*Second Year*

GSB 201a or 211a .....	3	GSB 201b or 211b .....	3	GSB 201c or 211c .....	3
GSC 151 .....	3	GSC 152 .....	3	GSC 101 .....	3
GSD FL .....	3	GSD FL .....	3	GSD FL .....	3
Zool 102 .....	5	GSD Math .....	3	GSD Math .....	3
Chem 336a .....	4	Zool 103 .....	5	Zool 202 .....	5
	<hr/>		<hr/>		<hr/>
	18		17		17

*Third Year*

GSC 251a .....	3	GSA 358a .....	3	GSA 358b .....	3
GSD Math .....	3	GSB-3 .....	3	GSB-3 .....	3
Chem 341a .....	4	GSC 251b or 251c .....	3	GSC 251c or 251b or 203 or 255 .....	3
Zool 401 .....	5	Chem 341b .....	5	GSE 201 .....	3
	<hr/>	Zool 300 .....	5	Bot 101 .....	5
	15		<hr/>		<hr/>
			19		17

*Fourth Year*

GSC-3 .....	3	GSC-3 .....	3	Zool 382c .....	1/2
Phsl 433 .....	4	Zool 313 .....	3	Electives .....	15
Zool 310 .....	5	Zool 480 .....	3		
Zool 382a .....	1/2	Zool 382b .....	1/2		
Electives .....	3	Electives .....	6		
	<hr/>		<hr/>		<hr/>
	15 1/2		15 1/2		15 1/2

### Edwardsville Campus Preprofessional Programs

BOTANY, BIOLOGICAL SCIENCES, ZOOLOGY, MEDICAL TECHNOLOGY,  
PREMEDICINE, PREIDENTISTRY, PREVETERINARY

#### *First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 151 <sup>1</sup> .....	3	GSA 152 <sup>1</sup> .....	3		
GSA 251 .....	3	GSA 252 .....	3	GSA 253 .....	3
GSC-1 .....	3	GSC-1 .....	3		
GSD 151 .....	3	GSD 152 .....	3	GSD 153 .....	3
				PE .....	1
Chem 111 .....	5	Chem 112 .....	5	Chem 113 .....	5
				Zool 103 or Bot 101 <sup>2</sup> ..	5
	17		17		17

<sup>1</sup> Required for the concentration.

<sup>2</sup> One concentrating in botany should take Bot 101.

MATHEMATICS, PHYSICAL SCIENCE, PRE-ENGINEERING, PREMEDICINE,  
PREIDENTISTRY, PREVETERINARY

#### *First Year*

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSB 151 .....	3	GSB 152 .....	3	GSB 153 .....	3
GSD 151 .....	3	GSD 152 .....	3	GSD 153 .....	3
PE .....	1	PE .....	1	PE .....	1
Chem 111 <sup>1</sup> .....	5	Chem 112 <sup>1</sup> .....	5	Chem 113 <sup>1</sup> .....	5
Math 150 <sup>2</sup> .....	5	Math 151 <sup>2</sup> .....	5	Math 252 <sup>2</sup> .....	4
	17		17		16

<sup>1</sup> Recommended for mathematics concentration.

<sup>2</sup> One who has not received advanced standing should take a GSD Math sequence.



# Air Force ROTC





# Air Force ROTC

## Carbondale Campus Only

*Professor:* Colonel George H. Blase, *Assistant Professors:* Lt. Colonel James F. Van Ausdal, Major T. Bruce Buechler, Captain Edward A. Corich, Captain Robert B. Frazier, Captain Philip Florio, Jr., Captain William M. Hamilton, Captain Joe E. Johnson, Captain Harold L. Maxwell, Captain John E. Ogden, Captain Charles E. Pisoni, Captain Robert W. Propst, *Instructors:* Master Sergeant Robert H. Brown, Master Sergeant Jerry S. Witt, Technical Sergeant Fred Tolby, Jr., Staff Sergeant Robert K. Bumgardner, Staff Sergeant Armand V. Hanff, Staff Sergeant Donald F. Harmening, Airman First Class Johnnie J. Saunders, Jr., Airman First Class Walter C. Waggoner.

The Air Force Reserve Officers Training Corps of Southern Illinois University is a (senior division) ROTC unit administered by commissioned officers of the USAF, assigned by the Department of the Air Force with the approval of the University. These officers are appointed as members of the University's instructional staff. The senior officer is designated as Professor of Air Science and Detachment Commander. Airmen are assigned to assist in practical instruction and administration and to assist in the care of federal property. The University Corps of Cadets consists of all students pursuing AF ROTC training. All AF ROTC cadets retain their civilian status until they are commissioned as officers in the United States Air Force Reserve and are ordered to active military service.

The course of study is divided into the basic course, covering the first two years, and the advanced course, covering the junior year, summer training unit, and the senior year in that order. It is designed to provide the fundamental training, both personal and professional, which will best equip a cadet to become an effective junior Air Force officer possessing a high growth potential and also to develop and stimulate a growing desire on his part to enter the Air Force flight training program. The basic course is designed with two additional objectives in mind: first, to interest the cadet in the possibility of advanced AF ROTC and ultimately

making the Air Force his career; and second, to provide him with "Space Age" citizenship training of long-range value to the Air Force whether he remains in civil life or becomes a member of the USAF. Emphasis is given throughout the courses, both in theory and practice, to outlining the leadership and managerial duties and responsibilities of squadron level officers, to improving oral and written expression, and to learning techniques of the problem-solving process.

In addition to the four-year AF ROTC program offered for academic credit, the Division of Air Science indorses or directly sponsors a number of extracurricular activities. The Arnold Air Society is open to selected cadets of all four years, and is a national professional fraternity. Membership in the Angel Flight, an auxiliary of the Arnold Air Society, is open to selected undergraduate women. The Rifle Team is coached and sponsored by the detachment. Other activities open to cadets are the Honor Guard, the Band, and the Singing Squadron. Cadets may also compete for numerous trophies and awards available to members of the Cadet Corps.

Three hours of Air Science are required for all entering male students who undertake their first college work by entering Southern Illinois University (Carbondale Campus) unless they are veterans, over twenty-five years of age at the time of entrance, or excused from this requirement by the University Military Policies Committee. Male students who transfer fewer than forty-five hours of acceptable credit from the Edwardsville Campus of Southern Illinois University, from the Vocational-Technical Institute of Southern Illinois University, or from another college or university, including an accredited junior college, shall be required to take three hours of Air Science unless they are veterans, over twenty-five years of age at the time of entrance, or excused from this requirement by the University Military Policies Committee.

The successful completion of the entire basic course (three academic quarters) and six quarters of Leadership Laboratory, or the equivalent in previous military service, is a prerequisite for graduation at Carbondale. Enrollment in the advanced Air Force ROTC course—which is highly selective—is voluntary.

### *THE REQUIRED BASIC COURSE*

The required basic course for freshmen consists of two hours of classroom instruction during the spring quarter and one hour of Leadership Laboratory each week throughout the fall, winter, and spring quarters.

The required basic course for sophomores consists of two hours of classroom instruction during the fall and winter quarters and one hour of Leadership Laboratory each week throughout the fall, winter, and spring quarters.

### *THE VOLUNTARY ADVANCED COURSE*

Qualified students may apply for the advanced Air Force ROTC course. This consists of six quarters of academic work, plus a four-week summer training unit. The object of the advanced course is to qualify students for appointment as second lieutenants in the United States Air Force Reserve.

Selection of students for enrollment will be made by the Professor of Air Science as provided in section 40-47c, National Defense Act, from qualified applicants as follows:

1. Conditions of Service. All advanced course students will be civilians who will be placed under contract with the government. The contract will contain the following provisions:
  - a. The student agrees
    - (1) Unless sooner released for the convenience of the government, to complete the advanced course and to attend the summer training unit at the time specified by proper authority.
    - (2) To accept an appointment as second lieutenant, United States Air Force Reserve, if and when tendered.
  - b. The Department of the Air Force agrees to pay the student commutation of subsistence at a daily rate as announced by that department. This rate varies from year to year. The current rate is \$0.90 per day for a maximum period of 609 days.
2. Personal Qualifications.
  - a. A student must have completed the basic course or its equivalent in previous service.
    - (1) Students who have had previous training or service may receive credit toward entrance into the advanced course within the following limits. (Individuals excused from the basic military training requirements for reasons other than those listed below are not eligible to apply for the advanced course.)
      - (a) On the basis of previous honorable service in the Air Force, Army, Navy, Marine Corps, or Coast Guard, a cadet may request a waiver of the basic course, or any portion thereof, as a requirement for entrance into the advanced course.
      - (b) For previous training in a senior division ROTC program at another institution, credit will be allowed equivalent to the number of quarters of the course successfully completed.

- b. In age, the student must not have reached his twenty-fifth birthday at the time of initial enrollment in the advanced course.
  - c. The physical standards prescribed for appointment to the United States Air Force Reserve in AFM 160-1 will apply. Allowance will be made for physical defects that can be corrected.
  - d. Mental and educational requirements:
    - (1) A satisfactory score for the Air Force Officer Qualification Test will be required.
    - (2) Enrollment in Southern Illinois University and academic "good standing" will be accepted in satisfaction of educational requirements.
    - (3) At the time of acceptance, the applicant must have at least two academic years remaining to complete all prerequisites for graduation from the University; or, if he is a graduate student, he must have a like period of time remaining to complete all work for an advanced degree. In addition, an applicant's academic standing must be in phase with his AF ROTC training.
3. All members of the advanced course will receive the following emoluments:
- a. A monetary allowance in lieu of subsistence, at a value to be announced by the Department of the Air Force, to be paid quarterly during the period of enrollment in the advanced course, except during the period of the summer training. The total period will not exceed 21 months.
  - b. An officer-type uniform—cadets will be furnished a uniform on a commutation basis. The uniform remains in the cadet's possession during his two-year enrollment and becomes his property upon successful completion of the advanced AF ROTC program.
  - c. The pay of the first enlisted grade (\$78.00 per month) while at advanced summer training unit and travel pay to and from camp at the rate of \$0.05 per mile.

The advanced course will consist of five hours of instruction per week for a minimum total period of seventy-two weeks.

The program of the advanced course will consist of generalized courses designed to develop those attributes of character, personality, and leadership which are essential to an officer in the USAF, supplemented by practical training in leadership, drill, and exercise of command.

Advanced Air Force ROTC summer training units of four weeks' duration will be conducted annually at Air Force installations to be designated by the Department of the Air Force.

Students enrolled in the advanced course will be required to complete

the summer training program prior to receiving their commission. They will normally attend camp immediately after completing the first-year advanced course.

Students enrolled in the AF ROTC courses at Southern Illinois University receive the following credits:

	Hours
1 hour of credit for each academic quarter of the basic course .....	3
4 hours of credit for each academic quarter of the advanced course .....	24
Total hours of credit for the basic and advanced courses .....	<u>27</u>

All credit received for the AF ROTC courses is allowable toward a bachelor's degree.

Air Force ROTC textbooks will be furnished on a loan basis to all AF ROTC students. They remain the property of the federal government and must be properly handled.

(Uniforms are furnished by the University for the use of the basic AF ROTC students. In case a uniform should become so worn or damaged as to be unfit for wear, the student may be held responsible to the extent determined by proper authority.)

All cadets are required to wear the uniform on such days and occasions as directed by the Professor of Air Science.

### *AIR FORCE ROTC AWARDS*

Awards are presented to outstanding cadets at the close of the school year. Details concerning such awards are published at appropriate times on the cadet bulletin board. The following awards will be presented to recipients at an Awards Review held in May of each academic year.

1. The Trustees' Cup. Awarded to the best-drilled unit or squadron of the Cadet Corps; it will have the name of the unit or squadron of the Cadet Corps, the name of the unit or squadron commander, and designation of the winning unit or squadron inscribed on it. The cup will be retained at Southern Illinois University for display in the trophy case.

2. The Colonel's Cup. Awarded to that member of the Southern Illinois University Rifle Team scoring the highest total number of points in all competitive matches during the current year. The name of the winning cadet will be inscribed on the cup. The cup will be retained at Southern Illinois University for display in the trophy case.

3. The Commander's Award. Awarded by the detachment to cadet commanders appointed during the school year. Awarded in recognition of leadership ability as demonstrated in command positions in the cadet corps.

4. Leadership Potential Award. Awarded to the senior cadet who best

exemplifies potential leadership ability as judged by airmen of AF ROTC Detachment 205.

5. The Trustees' Award, Senior Student. Awarded to the outstanding cadet in the senior year, based on standing in the University and in AF ROTC, and aptitude for general service.

6. The Trustees' Award, Junior Student. Awarded on the same basis as for senior cadet, except to a junior.

7. The Trustees' Award, Sophomore Student. Awarded on the same basis as for senior cadet, except to a sophomore.

8. The Trustees' Award, Freshman Student. Awarded on the same basis as for senior cadet, except to a freshman.

9. The Trustees' Award, Marksmanship. Awarded to the member of the Rifle Team making the highest score in marksmanship during the current year.

10. Air Force Association Medal, Outstanding Advanced Cadet. Awarded to the Advanced Course cadet making the highest military grades of the year.

11. The Reserve Officers' Association Award, Senior Student. Awarded to the outstanding senior cadet, based on the University and AF ROTC grades for the current year and aptitude for general service.

12. The Air Force Times Award. Awarded to the senior cadet bringing constructive attention to the cadet corps.

13. Chicago Tribune Award, Junior Student. Awarded at the end of the first and third quarters of each school year to the outstanding junior cadet, based on the highest grade in the particular military course of the current quarter and aptitude for general service.

14. Chicago Tribune Award, Sophomore Student. Awarded on the same basis as junior cadet, except to a sophomore.

15. Convair Cadet Award, Sophomore Student. Awarded to the outstanding sophomore student applying and selected for the Advanced Cadet Corps.

16. American Legion Auxiliary Awards. National security awards, presented to AF ROTC cadets in recognition of continued outstanding service in the interest of the corps.

17. McDonnell Aviation Award. Awarded to the junior student in AF ROTC showing the greatest enthusiasm and interest by the presentation of a topic on air power.

18. Sons of American Revolution. Awarded to basic cadet with highest over-all academic standing and military aptitude.

19. Distinguished Advanced Cadets. To be designated by the PAS.

20. Distinguished Basic Cadet. To be designated by the PAS.

21. The Egyptian Council, Boy Scouts of America, Award. Awarded to the AF ROTC cadet who, while maintaining academic and military

proficiency, has contributed the highest degree of leadership and service to the Boy Scout program.

### *AIR SCIENCE COURSES*

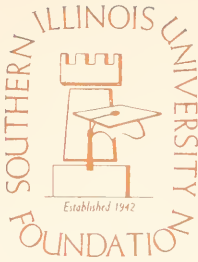
- 110-1 AIR SCIENCE 1, BASIC. An introductory course exploring the causes of present world conflict as they affect the security of the United States. This course includes analysis of democracy and communism, the U.S. power position in world affairs, the armed forces as an instrument of national policy, missions and functions of the Air Force, and the student's relation to U.S. world commitments. Two class hours per week and one hour of Leadership Laboratory.
- 210-1, 220-1 AIR SCIENCE 2, BASIC. Introduction to Air Science 2; evolution of aerial warfare; elements of aerial warfare; the employment of the air forces; operations in space-problems and possibilities. 2 hours lecture; 1 hour leadership laboratory. Prerequisites: 110, or equivalent with consent of Professor of Air Science.
- 301-4, 302-4, 303-4 AIR SCIENCE 3, ADVANCED. A survey course about the nature of war; development of airpower in the United States; mission and organization of the Defense Department; Air Force concepts, doctrine, and employment; astronautics and space operations; and the future development of aerospace power. Includes the United States space programs, vehicles, systems, and problems in space exploration. Three class hours per week, one hour of supervised research, and one hour of Leadership Laboratory.
- 351-4, 352-4, 353-4 AIR SCIENCE 4, ADVANCED. Air navigation; weather; military aspects of world political geography; international relations and the Air Force officer. 4 hours lecture; 1 hour Leadership Laboratory. Prerequisites: 301, 302, 303, or equivalent with consent of Professor of Air Science.











## *Southern Illinois University Foundation*

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