

Recommended: For students planning graduate-level training in Anthropology, foreign language is highly recommended.
Major Field Test: Majors are required to take the Major Field Test in either Anthropology or Sociology.

Anthropological Archaeology Emphasis—39

(27 credits must be selected from courses numbered 300 or above)

Core Courses—21

ANTH200; BHSC230, PSYC210, PSYC/SOCI432, 433;
PSYC450; PSYC469 OR SOCI474

Emphasis Courses—18

ANTH124, 205, 420, 435, 478, 496

Required General Education—3

PSYC101

Required Cognates—18-20

BIOL155 or BIOL208; BIOL449; GEOG335, RELT210

Recommended:

PSYC/SOCI434

Recommended: For students planning graduate-level training in Anthropology, a foreign language is highly recommended.
Major Field Test: Majors are required to take the Major Field Test in either Anthropology or Sociology.

Public Health Emphasis—40

(27 credits must be selected from courses numbered 300 or above)

Core Courses—24

ANTH200 or SOCI119; BHSC230, PSYC210, PSYC/SOCI432,
433, 434; PSYC450; PSYC469 or SOCI474

Emphasis Courses—16

BHSC440, 450; PSYC319; PSYC460 or PSYC471; SOCI415, 420

Required General Education—3

PSYC101

Required Cognates—18-21 (The following courses are required choices in your general education or elective program)

BIOL111, 112, or BIOL165, 166; CHEM110 or CHEM121, 122;
FDNT230

Major Field Test: Majors are required to take the Major Field Test in either Psychology or Sociology.

Student Development Emphasis—

40 (Non-Certification Program)

64 (Certification Program)

(27 credits must be selected from courses numbered 300 or above)

Core Courses—21

ANTH200 or SOCI119; BHSC230, PSYC210, PSYC/SOCI432,
433; PSYC450; PSYC469 OR SOCI474

Emphasis Courses

PSYC204; 251 or 252; 420, 466; SOCI120, 345, 480

Required General Education—3

PSYC101

Required cognates—2+

EDPC430; EDTE389

Recommended: EDPC438

Secondary Teaching Certification

Requirements (optional)—24

EDPC302; EDTE165, 228, 408, 417, 424, 459, 476, 480, 487,
488. Education requirements are listed on p. 253.

Major Field Test: Majors are required to take the Major Field Test in either Psychology or Sociology.

BS: Family Studies—39

(27 credits must be selected from courses numbered 300 or above)

Core Courses—30-33

BHSC440; FMST115, 310, 350, 454, 456, 460, 470; PSYC251,
252, 420

Family Studies Electives—6-9

ANTH420; COMM320, 440; EDRE438, 440; PSYC319, 410,
466; SOCI120, 430, 460; SOWK315, *and as authorized by
advisor.

Required General Education—3

PSYC101

Required Cognates—12

BHSC230; COMM440; FDNT230; FNCE206

Life Management Education Emphasis —33

(27 credits must be selected from courses numbered 300 or above)

Core Courses—33

FMST310, 350; 454, 456, 460; BHSC450; PSYC251, 252, 420;
SOCI120

Required General Education—5

PSYC101; HLED130

Required Cognates—6

FDNT230; FNCE206

BS: Psychology

Three options are available—the General Program, the Pre-Professional Program, and Health Psychology Emphasis. The Pre-Professional Program is for students planning a graduate degree. Whichever program students choose, they should consult their advisor in regard to their psychology classes, general or elective classes, and an elective minor. Classes should be chosen with occupational goals in mind. Students planning on graduate school should choose classes related to that area of specialization.

Pre-Professional Program—40

(27 credits must be selected from courses numbered 300 or above)

Introduction—3

PSYC101

Content Courses (Groups A, B, C)—18

A minimum of five courses from Group A & B

Group A (minimum - 2 courses from this group)

31.2 33.2 34eaching Certification

Recommended: Field Experience and a reading knowledge of a foreign language are strongly recommended, particularly for students who plan to take graduate studies in Psychology
Major Field Test: Majors are required to take the Major Field Test in Psychology. The exam assesses the following areas: memory and thinking, sensory and physiology, developmental, clinical and abnormal, social, and measurement and methodology.

*Attend at least one professional convention during your undergraduate experience. A form and the requirements of that form can be obtained from the department.

General Program—40

(27 credits must be selected from courses numbered 300 or above)

Introduction—3

PSYC101

Content Courses (Groups A, B, C) A minimum of four courses from Group A & B—15

Group A (minimum - one course from this group)

PSYC210, 364, 449, 465, 471; ZOOL484

Group B (minimum - two courses from this group)

PSYC220, 450, 454, 460

Group C (minimum - one course)

PSYC410, 486

Methodology—3

PSYC432

Integrative—5

PSYC469, 480

Electives—14

Electives may be chosen from Content Courses not taken to meet minimum requirements, or from additional Psychology courses chosen with approval of the advisor.

General Education—3

RELT340

Required Cognates—13-16 (The following courses are required choices in your general education or elective program.)

BHSC230; BIOL111, 112 or BIOL165, 166; SOCI119 or ANTH200

Recommended: Field Experience and a reading knowledge of a foreign language are strongly recommended, particularly for students who plan to take graduate studies in Psychology.
Major Field Test: Majors are required to take the Major Field Test in Psychology. The exam assesses the following areas: memory and thinking, sensory and physiology, developmental, clinical and abnormal, social, and measurement and methodology.

Health Psychology Emphasis—39

(27 credits must be selected from courses numbered 300 or above)

Core courses—18

BHSC230; PSYC101; PSYC251 or PSYC252; PSYC432, 433, 434, 450, 469

Emphasis—18

BHSC450; PSYC210; PSYC319 or SOCI420; PSYC460; PSYC465 or PSYC454; PSYC471 or PSYC364

General Education—3

RELT340

Required Cognates—21-24

BHSC230; BIOL111, 112, or BIOL165, 166; CHEM110 or 131; FDNT230

Major Field Test required in Psychology

BS: Sociology—38-39

(27 credits must be selected from courses numbered 300 or above)

Core Courses—29-30

SOCI119; SOCI345 or SOCI315; SOCI415 or SOCI120; SOCI420, 425, 430, 432, 433, 434; 474

Electives—9

(Choose 3 of the following 4 classes) SOCI410, 440, 460, 470

Required General Education—9

BHSC230; PSYC101; RELT340

Required Cognates—15 (The following courses are required choices in your general education or elective program)

ANTH200; BHSC230; ECON225; HIST400 or P11S in yo5; HIST400 or P11S87 L Tf -1 -1.2 TD [(Requue in yo5; HIST400-Atrongly recommended, parTj T

Core Courses—29-30

SOCI119; SOCI345 or SOCI315; SOCI415 or SOCI120; SOCI420, 425, 430, 432, 433, 434; 474

BHSC230; PSYC101; RELT340

choices in your general educ -1.2 TD-0.008r elec

Major Field Test: Majors are required to take the Major Field Test in Sociology.

*It is expected that all majors will attend at least one professional conference before graduation.

Sociology of the Family Emphasis—39

(27 credits must be selected from courses numbered 300 or above)

Core Courses—24

SOCI119; SOCI345 or SOCI315; SOCI420, 425, 432, 433, 434, 474

Emphasis Courses—15

BHSC440; FMST350; SOCI120, 430, 440

Required General Education—9

BHSC220; PSYC101; RELT340

Required Cognates—27

The following courses are required choices in your general education or elective program.

ANTH200; BHSC230; ECON225; FMST310, 454, 460; HIST400 or PHIL224; PSYC420, 450

United States as well, such as at the head offices of the organizations just mentioned.

But graduates are not limited by their concentration to opportunities in the humanitarian-assistance field; their training makes them viable candidates for a host of positions requiring persons with skills in grant writing and not-for-profit administration,

Courses

emphasis, in order to provide the students with an in-depth understanding of that area, and with the possibility of applying course work in practice. Field placement with local community development organizations and projects will be discussed with the program director and arranged accordingly.

Other emphasis areas could be built as concentrations taught at the international sites. Suggested areas: economic development; international marketing; international agriculture; peace and conflict resolution; basic education training; AIDS and risk behaviors; substance abuse prevention and policy; comparative social policy; women in development. Concentration areas should be related to the practicum and the research. Field placements with international organizations, as well as practicum at the off-campus sites is recommended. Students should consult with the program director and with the director of the off-campus program for information and practicum placement.

Any prerequisites required for the completion of courses that are part of a particular concentration area should be discussed in advance with the program director and the concentration advisor, for better guidance in planning for its completion. The schools and departments offering them regulate policies that govern the courses offered as part of the concentration package.

* Prerequisites

GRADUATE CERTIFICATES

Graduate certificates may be added as an option and offered in conjunction with focused study in core curricular areas such as social-science foundations, planning and evaluation, management, economics, and individual and organizational accountability or in conjunction with the focused study in concentration areas such as described above. In addition to successfully completing a minimum of 6 credits of focused course work, students must also complete a 2 semester credit, web-based certificate seminar, 2 semester credits of a field practicum, and a 2 semester credit research synthesis project.

Interested individuals should consult with the program director for further information about which graduate certificates will be offered during a given school year and how to proceed with enrollment procedures.

Graduate certificates are developed and offered in accordance with standards set by the Graduate Council. While they serve to give evidence of focused study in a given field of specialization at the graduate level, they do not take the place of certificates and licenses offered by professional associations and guilds, neither do they necessarily build up towards a graduate degree (unless so agreed upon by the schools offering those degrees).

Graduate certificates could be pursued either as part of the MSA-ID program, or independently, being open for students both on- and off-campus, as well as for professionals aiming to enhance their expertise in a particular area of study.

As a first option at hand for graduate certificates, the certificate in Family Life Education will be open for students in this program, either as pursuing their degree, or as continuous education, upon graduation.

Development Emphasis Area. Details regarding courses for the various Development Emphasis Areas are included in the Student Handbook.

* Courses listed are the options available for students enrolled in the MDiv program.

on women, families, tribes, and states. Islam and the modern world. Offered as credit on Summer Tours.

ANTH496 ♦ (1-8)
Supervised Fieldwork in Anthropology or Archaeology
 Students may apply to participate as trainees on research projects sponsored either by the Behavioral Sciences Department or the Institute of Archaeology.

ANTH600 (2-3)
Seminar in Cultural Anthropology
 The study of culture and cultural variation. The contemporary beliefs, values, institutions and material way of life of people in North America are contrasted with those of people living in other regions of the world today and in the past.

BEHAVIORAL SCIENCE

BHSC100 (2)
Philosophy of Service
 Provides a theoretical and practical basis for understanding and meeting needs of communities and individuals. Course materials include works from Christian and secular sources. Students develop an individualized practical plan to understand and meet needs. Does not apply to a major or minor.

BHSC220 (3)
An Interdisciplinary Approach to Contemporary Social Issues
 Issues may include drug abuse, the family, crime/violence and punishment, AIDS, poverty, and health care. Integrates foundational social science with a Christian perspective to help students understand the origins of current societal issues and strategies for addressing those issues.

BHSC220 H (3)
An Interdisciplinary Approach to Contemporary Social Issues
 AU/HSI course—see content above.

BHSC230 (3)
Research Methods I: Statistics for the Behavioral Sciences
 Probability concepts, frequency distributions, measures of central tendency, measures of variation, using frequency distributions, point-estimation and confidence intervals, sampling distribution, levels of significance in hypothesis testing, *t* and *z* tests, correlation, chi-square and ANOVA.

BHSC235 (3)
Culture, Place and Interdependence
 Uses and integrates concepts from anthropology, geography and other sciences to help students understand how human culture and natural habitat create regional, ethnic, religious and other social groups. Examines origins of group conflict and considers avenues of responsible action for resolution.

BHSC235 H (3)
Culture, Place and Interdependence
 AU/HSI course—see content above.

BHSC300 (2)
Philosophy of Service Fieldwork
 Provides an opportunity for the practical application of the theories, principles, and concepts learned in BHSC100. Prerequisite: BHSC100 or permission of Service Learning Coordinator. Does not apply to a major or minor.

BHSC440 (1-3)
Topics in _____
 Examines emerging issues in the behavioral sciences. Repeatable in different specialized areas.

BHSC450 ♦ (3)
Community Health and Human Disease
 Examines in-depth emerging issues in the behavioral sciences. May be repeated in different specialized areas.

BHSC495 (1-3)
Independent Study/Readings/Research/Project in Behavioral Sciences
 Individual assignments and/or reports and/or individualized research in behavioral sciences are set up on a contract basis with no more than 3 credits per semester. Students may repeat or take any combination of departmental independent study courses for up to 6 credits. Consult staff before registering.

BHSC590 (1-3)
Internship
 To be arranged in cooperation with the student's advisor.

BHSC648 (1-2)
Workshop
 Provides an opportunity to study in a focused area within the behavioral sciences.

BHSC690 (1-3)
Independent Study/Readings/Research Project in Behavioral Sciences

FAMILY STUDIES

FMST115 Alt (3)
Introduction to Family Studies
 Study of the conceptual framework for the discipline and exploration of contemporary issues and trends in society as related to families. Normally offered odd years.

FMST310 Alt (3)
Parent-Child Relationships
 Study of the concepts, challenges, and changes in the parent/child relationship including contemporary strategies, parenting in diverse family types, and changing parenting roles throughout the life cycle. Offered odd years.

FMST350 Alt (3)
Family Cultural Perspectives
 Study of the family as a social institution, its biological and cultural foundations, and its historic development and changing structure and function. Cross-cultural uniqueness is examined. Offered even years.

FMST454 ♦ Alt (3)
Family Violence Across the Lifespan
 Study of factors contributing to abuse in the family with emphasis on prevention of domestic violence. Offered odd years.

FMST456 ♦ Alt (3)
Marriage and the Family
 Study of the family and the marriage relationship from a multicultural perspective, focusing on diversity and strengths of families, developing and maintaining satisfying intimate relationships, trends in family structure, family dynamics and the conceptual frameworks from which researchers, theoreticians and clinicians look at families. Offered even years.

FMST460 ♦ Alt (3)
Management and Decision Making in the Family
Principles of sound management of resources including time, money, and energy as they relate to individuals and groups throughout the life span, with emphasis on the family. Offered odd years.

FMST470 (1-8)
Field Experience
Supervised experience in observing, planning, directing, and/or assisting families in various home or organizational environments. Repeatable to 8 credits.

GEOGRAPHY

GEOG110 (3)
Survey of Geography
A survey of major geographic perspectives: physical, human, and regional. Applies toward General Education social science requirements.

GEOG240 \$ (3)
Physical Geography
The physical environment in which human societies exist; the earth's crust, its water systems, land systems, and climatic features. Normally offered even years.

GEOG245 (3)
Introduction to Meteorology and Climatology
Emphasis on atmospheric processes and regional distribution and classification of the world's climate.

GEOG260 (3)
Cultural Geography
The geographic viewpoint of the human occupancy of the earth in relation to the environment; including aspects of population, settlement, language, religion, and economy; a generalized survey of major world cultural areas to integrate course elements.

GEOG260 H (3)
Cultural Geography
AU/HSI course—see content above.

GEOG335 (3)
Introduction to Geographic Information Systems
The study of the fundamentals of Geographic Information Systems (GIS). Emphasis on the foundations of these systems, their components and capabilities.

GEOG430 ♦ (3)
Urban Geography
Examination of spatial patterns and processes associated with urbanization within the frame work of economy, culture and politics.

GEOG455 ♦ (3)
Environmental Disasters
An integrated study of the causes and geography of natural and man-made disasters. Understanding of extreme event prediction, early warning, and disaster mitigation. Organizations involved in disaster response.

GEOG460 ♦ (1-3)
Topics in _____
Study of selected topics in geography. Topic and credit to be announced in advance. Repeatable with different topics to 9 credits (to 3 credits for graduate students).

GEOG475 ♦ (3)
Regional Geography: _____
Regional study of physical, economic, and cultural characteristics of major regions of the world. Areas selected for analysis vary from quarter to quarter. Direct inquires to the department chair. Repeatable for different regions.

GEOG485 (1-6)
Geography Field Experience
Observation and evaluation of geographical phenomena in the U.S. or foreign countries. May be based upon individual research, organized tours, or expeditions. A formal report is expected.

GEOG495 (1-3)
Independent Study
Independent work on a specified topic under the guidance of department advisor. Repeatable to 9 credits with the consent of the department chair.

PSYCHOLOGY

PSYC101 (3)
Introduction to Psychology
Principles of psychology including the study of growth, perception, learning, thinking, motivation, emotion, personality, and mental health.

PSYC101 H (3)
Introduction to Psychology
AU/HSI course—see content above.

PSYC204 (3)
Dynamics of Personal and Social Adjustment
Application of psychological principles of behavior as they influence optimal personal and social adjustment, with an emphasis on group dynamics.

PSYC210 \$ (3)
Introduction to Health Psychology
Study of causes for the rise of health psychology; interrelationships between psychology and health-related disciplines; models of disease and health care; interrelationships between stressful life events, social support, and wellness; illness behavior; psychology of addictive behavior; and behavioral health. Prerequisite: PSYC101.

1YxTJ ompanhy Field Experience/F15 1w5iea5pr7hy Field E which emphasizes the interdependency of physical, cognient , emotional and social 7hy Field E. The interrelatedness of theory, research, and application are seen throughout the d Eire sequence of h ompa7hy Field E from conception to death. Prerequisite: PSYC101.

1YxTPsychology of Earlyanhy Field E
Ae depansnt cstudy of current /F15 1w5iea5prtheories relating to environmental influences during prenatal, infant, and childhood years. Prerequisite: PSYC101.

- PSYC252** **H (3)**
The Psychology of Adolescence, Youth, and Aging
AU/HSI course—see content above.
- PSYC315** **H (3)**
Organization and Work
AU/HSI course. A discussion of human beings at work and how work interfaces with the community. The meaning of work, formal organization, informal group activity, occupational status and mobility, the structure and function of labor unions, and industry-community relationships are examined.
- PSYC319** **(3)**
Stress Management
An introduction to stress along with signs and symptoms of stress and identification of stressors in a person's life. Students learn how to increase stress tolerance and implement change.
- PSYC364** **(3)**
Learning and Behavior
A study of theories of learning which evaluates connections between learning and behavioral processes within and between humans and animals. A lab fee may be required. Prerequisite: PSYC101.
- PSYC364** **H (3)**
Learning and Behavior
AU/HSI course—see content above.
- PSYC410** **◆ (3)**
Introduction to Counseling & Psychotherapy
An introduction to the major theoretical models and concepts for counseling and psychotherapy. Concepts such as the philosophical assumptions, the therapeutic process, and the client/therapist relationship are discussed. Prerequisites: PSYC101, and one of the following: PSYC454, 460 or 469.
- PSYC420** **◆ (3)**
Human Sexuality
A study of the multiple aspects of sexuality within a framework of Christian values.
- PSYC432** **◆ \$ (3)**
Research Methods II: Introduction
Asking researchable questions. Reviewing the literature. Hypothesis formulation. Research methodology emphasizes qualitative approaches but includes discussion of instrumentation, subject selection, and data collection procedures. Andrews' human subject research review process. Informed consent. Writing assignments include theoretical essay, pilot study, second pilot study, research journal. Prerequisite or corequisite: BHSC230 or STAT285.
- PSYC/SOCI433** **◆ \$ (3)**
Research Methods III: Advanced Research Design-Experimental and Survey
The principles of designing, administrating, interpreting, and writing experimental research, questionnaires and interview schedules. Survey also focuses on coding procedures and scale construction. Structured around a research project, and the interpretation of scientific reports and professional journals. Corequisite: PSYC434. Prerequisite: BHSC230 or STAT285 and PSYC432.
- PSYC/SOCI434** **◆ (3)**
Research Methods IV: Advanced Statistical Analysis and SPSS
A study on advanced parametric and non-parametric techniques such as two-way ANOVA, regression and power. The utilization of SPSS in the analysis and interpretation of statistical data. An analysis of professional journals and reports with an emphasis on the statistical reasoning. Corequisite: PSYC/SOCI433. Prerequisite: BHSC230 or STAT285 and PSYC/SOCI432.
- PSYC434** **H (4)**
Research Methods IV: Advanced Statistical Analysis and SPSS
AU/HSI course—see content above.
- PSYC438** **(1-3)**
Workshop
Provides an opportunity to study in a focused area within the Behavioral Sciences. A paper is required for more than one credit and may be required for one credit.
- PSYC449** **◆ Alt (3)**
Psychopharmacology
Examination of current psychotropic drugs, how they affect human perception and behavior, and how they are used in clinical evaluation. Prerequisites: PSYC101; BIOL111,112 or BIOL165, 166. Offered odd years.
- PSYC450** **◆ \$ (3)**
Social Psychology
A study of human behavior within a group context. Included are attitudes, social roles, collective behavior, and the dynamic aspects of human interaction. Lab fee may be required. Prerequisites: PSYC101 and SOCI119 or permission of instructor.
- PSYC454** **◆ (3)**
Theories of Personality
Integrates subfields of psychology to enhance understanding of the individual personality. Prerequisite: PSYC101.
- PSYC455** **◆ (2)**
Treatment of Substance Abuse
An overview of treatment techniques and basic prevention strategies including specific training in assessment and therapeutic techniques, examining the relationship between etiology and treatment. Treatment evaluation discussed. At-risk, vulnerable populations receive special consideration. Prerequisite: PSYC101; Prerequisite or corequisite: SOCI415.
- PSYC458** **◆ Alt (3)**
Advanced Theories of Addiction and Treatment
Surveys, critiques and integrates the primary theories currently used to explain the process, outcome and treatment of addictions. Covers biological, psychological, social and anthropological addiction theories. Primary substance-abuse prevention theories are surveyed. Implications for at-risk, vulnerable populations considered. Prerequisite: PSYC101; Prerequisite or corequisite: SOCI415.
- PSYC460** **◆ (3)**
Psychology of Abnormal Behavior
A study of deviant human behavior and theories of causation and remediation. Prerequisite: PSYC101.
- PSYC465** **◆ \$ (3)**
Physiological Psychology
Introduces the biological bases of behavior. Examination of the neuroanatomical and physiological foundations of such topics as the mind/body problem, the development of language and learning, sexual behavior, recovery from brain damage, and psychopathology. Prerequisite: PSYC101.

PSYC466 ◆ (3)***Psychology of the Exceptional Child***

A survey of assessment, remediation, and adjustment for exceptional children and youth who require special education and related services. Various types of exceptionality are explored such as mental retardation, learning disabilities, emotional or behavioral disorders, giftedness, disorders of communication, and impairment of hearing or sight. Prerequisite: PSYC101. Normally offered odd years.

PSYC469 ◆ (3)***History and Systems of Psychology***

A study of significant schools, individuals, and theories in the field of psychology, together with their contributions to present knowledge of behavior. Limited to seniors and grads only or permission of instructor. Prerequisite: PSYC101.

PSYC469 ◆ H (3)***History and Systems of Psychology***

AU/HSI course—see content above.

PSYC471 ◆ Alt (3)***Behavior Modification***

The theory and techniques of behavior change utilizing principles of conditioning. Applications relevant to health-centered and educational settings are emphasized. Prerequisite: PSYC101. Normally offered even years.

PSYC480 (1-8)***Field Experience***

Supervised field placement in a human services setting is approved in advance by the department chair. A minimum of 45 hours of fieldwork activity is required for each credit. Consult staff before registering. Open only to departmental majors. Repeatable to 8 credits.

PSYC486 ◆ \$ (3)***Psychological Assessment***

Theory and practice in individual and group testing in the areas of intelligence, aptitude, achievement, personality, and interest. Evaluation of tests and other instruments for measurement with a focus on their worth and limitations. A lab fee may be required. Prerequisite: PSYC101, BHSC230 or STAT285.

PSYC495 (1-3)***Independent Study/Readings/Research/Project in Psychology***

Individual assignments and/or reports and/or individualized research in psychology on a contract basis with no more than 3 credits per semester. Students may repeat or take any combination of departmental independent study courses up to 6 credits. Consult staff before registering.

PSYC495 H (1-3)***Independent Study/Readings/Research/Project in Psychology***

AU/HSI course. Provides an opportunity to work with an instructor on a research project and/or studies in psychology.

PSYC575 (1-3)***Topics in Psychology***

Repeatable with different topics.

PSYC648 (1-3)***Workshop***

Provides an opportunity to study in a focused area within the Behavioral Sciences. A paper is required for more than one credit.

SOCIOLOGY**SOCI119** (3)***Principles of Sociology***

A study of the development of sociology as a social science, some concepts and ideas associated with the study of human behavior, and an overview of the principles, terms, and concepts in the discipline.

SOCI119 H (3)***Principles of Sociology***

AU/HSI course—see content above.

SOCI120 (3)***Marriage Dynamics and Growth***

An introductory study of the factors leading to a stable marriage relationship and growth within that relationship in contemporary American society.

SOCI315 Alt (3)***Criminology***

Theories and techniques associated with apprehension, conviction, and detention of individuals who infringe criminal law in this society. Normally offered even years.

SOCI345 Alt (3)***Juvenile Delinquency***

Topics related to modern youth in trouble, sociological analysis of the problems of youth, legal and societal factors involved in delinquency, and some of the remedial measures now being used. Offered odd years.

SOCI350/550 (2)***Introduction to Social Policy***

Develops basic knowledge and skills for policy analysis, formulation and critical challenge within local and international contexts. Examines the determining factors affecting public policy in the United States as compared with other systems. Provides framework for analysis of social problems and policies, as they impact development and practice in human services.

SOCI360 Alt (3)***Introduction to International Development***

Focuses on the dilemmas facing industrialized nations and developing nations in coping with severe global inequalities and poverty. Analyzes the popular strategies and explanations used by governments and non-governmental organizations (NGOs) to deal with these challenges. Normally offered odd years.

SOCI410 ◆ Alt (3)***Social Gerontology***

A study of aging and ageism in the United States, including demographic trends, societal attitudes, problems of the elderly, and national policies relating to senior citizens in the cultural context of American society. Normally offered even years.

SOCI415 ◆ Alt (2)***Substance Abuse in American Society***

An overview of substance-use terminology, historical issues, definitions, epidemiology, consequences and drugs of abuse within an American cultural and historical framework. Normally offered odd years.

SOCI420

◆ Alt (3)

Medical Sociology

Analysis of the relationship between social characteristics and the incidence and prevalence of disease, as well as geographical determinants of health and medical systems. Normally offered even yo 0 disease, as well as geographical determinants of health and medical systems. Normally offered

SOCI545 (2)***Program Implementation and Evaluation***

Strategies for implementation. Review of various methods of evaluation with emphasis on measuring outcomes and assessing quality in community program development.

SOCI580 (1-2)***Seminar in Community Development Leadership***

Topics include philosophical and spiritual foundations, profiles in leadership, strategic planning, grantsmanship, networking and interagency relations, managing volunteers, program evaluation.

SOCI698 (1-3)***Project***

Open only to students in the MSA in Community Development.

BIOLOGY

Price Hall, Room 216

(616) 471-3243

biology@andrews.edu

http://www.andrews.edu/biology

Faculty

David A. Steen, *Chair*

Gordon J. Atkins

Bill Chobotar

H. Thomas Goodwin

James L. Hayward

David Mbungu

John F. Stout

Dennis W. Woodland

Robert E. Zdor

Academic Programs**Credits**

BS: Biology	
Botany	45
Zoology	45
Biomedical	41
Molecular Biology	39-40
Neurobiology	41
Special	

Each degree offered by the Biology Department includes a common core curriculum and additional courses tailored to students' special needs.

Highly motivated students may compete for the Biology Undergraduate Research Traineeship (BURT) program. For full details, consult the Biology Department.

Undergraduate Programs

BS: Biology

All biology majors must complete the following core and cognate courses:

Biology Core—24

BIOL165, 166, 348, 371, 372, 449, 451, 452.

Cognate Core—24 or 26

CHEM131, 132, 231, 232, 241, 242; PHYS141, 142 or 241, 242, 271, 272.

General Education Cognates

RELT340, PSYC101.

Students must complete the biology core, the cognate core, and the requirements for one of the emphases listed below.

Botany Emphasis—21

Upper-division biology courses; must include a botany course (BOT prefix) drawn from each of the environmental, morphologi-