

ART308 § (2-6)
Sculpture
 The expressive use of a range of materials through the skills of modeling, carving, and construction. Usually one medium is studied during the semester. Repeatable. Prerequisite: ART118.

ART 310 § (3)
Typography
 An exploration of typographic structures terminology, methods, and visual problem solving. This studio course addresses typographic design as a practical form of visual communication.

ART380 (1-3)
Topics in Art
 Courses cover specific topic areas in Art and Art History such as: African Arts, Asian Arts, Post-Modernism, and Modernism. Studio courses are also eligible.

ART414 § (4)
Design for Visual Communications
 A term-long series dealing with Interactive Screen Design, Publication Design, Advertising and Packaging Design, Corporate Identity, and Environmental Graphics. Gives students practical experience in graphic design and computer applications. Repeatable. Prerequisites: ART207, 214. *Fall, Spring*

ART457 ◆ (4)
Art Methods: Elementary
 Covers the process of teaching creativity and artistic expression to students at the elementary level. The focus is on understanding the developmental levels of creativity in children. Art is also integrated in the rest of the curriculum. Art projects are part of this course.

ART459 ◆ (4)
Art Methods: Secondary
 Deals with teaching creativity and artistic expression to students at the secondary level. It covers the developmental levels of students and gives practical ideas for developing individual creativity. Project ideas are part of the course.

ART495 ◆ (1-4)
Independent Reading/Project
 Independent study or senior exhibition and portfolio creation. Repeatable. Requirements vary.

PHOTOGRAPHY

See course descriptions under Photographic Imaging on p. 215.

BEHAVIORAL SCIENCES

Nethery Hall, Room 123
 (269) 471-3152, FAX: (269) 471-3108
 bhsc-info@andrews.edu
 http://www.andrews.edu/BHSC

Faculty

Duane C. McBride, *Chair*
 Karl G. Bailey
 John M. Berecz
 Sharon A. Gillespie
 Herbert W. Helm
 Øystein S. LaBianca
 Lionel N. A. Matthews
 Susan E. Murray
 Marciana Popescu, *Director of MSA program (on-campus)*
 Derrick L. Proctor
 Larry S. Ulery

Academic Programs	Credits
BS: Behavioral Sciences	39
Anthropology	40
Anthropological Archaeology Emphasis	39
International Community Development	38-39
Public Health	40
BS: Family Studies	39
Family and Consumer Sciences Emphasis	32
BA: Psychology	31
BS: Psychology	
Behavioral Neuroscience	68
General Program	40
Health Psychology	38-39
Pre-professional Program	40
BA: Sociology	30
BS: Sociology	
Deviant Behavior	38-39
Sociology of the Family	39
Minor in Anthropology	20
Minor in Behavioral Sciences	20
Minor in Behavioral Sciences (with teacher certification)	24
Minor in Family Studies	20
Minor in Geography and International Development	21
Minor in Psychology	20
Minor in Sociology	20
MSA	
Community and International Development	40
International Development (off-campus)	34

The Department of Behavioral Sciences is organized as a consortium where faculty share expertise and research endeavors in related disciplines. The behavioral sciences are concerned with the study of how human beings think and behave as individuals, and in sociocultural and ecological systems.

DEPARTMENT AIMS

This department aims (1) to introduce students to the salient discoveries and procedures accumulated from research in behavioral sciences disciplines and (2) to empower students to utilize

this knowledge in furthering the mission of Seventh-day Adventists: restoring men and women to the image of their Maker. The department fulfills these aims by three principal means: (1) instruction by Christian professors; (2) course work which develops a strong liberal-arts foundation and interdisciplinary preparation leading to many different fields of Christian service; and (3) extracurricular participation by students in voluntary religious activities, community service, and research.

TEACHER CERTIFICATION

Students seeking teacher certification on the secondary level may enroll in the BS in Behavioral Sciences (Student Development Emphasis), the Behavioral Sciences minor in teacher certification, or the Sociology minor. Elementary certification is available only for the Behavioral Sciences minor in teacher certification. See the School of Education for full details.

MINORS, COGNATES, AND ELECTIVES

Majors should take advantage of the variety of undergraduate courses available at Andrews to acquire a broad education. Combining behavioral science courses with other areas such as business, health, and language provides avenues for reaching individual professional goals.

Students should counsel with advisors in selecting cognates and electives. Volunteer work is most beneficial and majors are urged to seek opportunities through the Service Learning Program. Those planning to pursue graduate studies should seek opportunities in research.

RESEARCH SEQUENCE

It is strongly recommended that all BS majors take the Research Methods Sequence during their junior year.

Undergraduate Programs

BS: Behavioral Sciences—39

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

Core Courses—15

ANTH124 or ANTH200 or SOCI119; SOCI432, SOCI474 or PSYC269; PSYC101, 450

Suggested General Education Cognates—3

BHSC220 or BHSC235, PHIL224

Required Cognates

BHSC230

Electives—24

The remaining credits are to be selected from at least two of the areas offered in the department or as specified in an area of emphasis below. Majors are required to take the major field test in either psychology or sociology. Those with specific vocational goals may wish to consider one of the following areas of emphasis:

Anthropology Emphasis—39

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

Behavioral Sciences Core Courses—15

ANTH124 or ANTH200 or SOCI119; SOCI432, SOCI474 or PSYC269, PSYC101, 450.

Anthropological Core—15

ANTH124 or 200, ANTH205, ENGL440 or COMM436, ANTH455

Select at least 9 credits from the following choices:

ANTH415, 417, 478, 496, BHSC440*, BIOL330, COMM436, HIST468, FMST350, MUHL458, PLSC460, RELG360 or SOCI440, SOCI360, 425

Suggested General Education Cognates

BHSC235, BIOL165 or 208, ECON225, PHIL224, RELT348

Required Cognates—3

BHSC230

Recommended: For students planning graduate-level training in Anthropology, a foreign language is highly recommended.

*Students are strongly urged to take an international tour, cleared by the Anthropology advisor.

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

Anthropological Archaeology Emphasis—39

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

Behavioral Sciences Core Courses—15

ANTH124 or 200 or SOCI119; SOCI432, SOCI474 or PSYC269, PSYC101, 450

Anthropological Archaeology Core—15

ANTH124 or 200, ANTH205, 435, 478, 496

Select at least 9 credits from the following choices:

ANTH440 Topics: Archaeology and the Bible (OTST510)
ANTH440 Topics: Bible Lands Explorations (OTST514)
ANTH440 Topics: Archaeology of Palestine (OTST614)
BIOL330, RELB110

Suggested General Education Cognates

BHSC235, BIOL165 or 208, PHIL224, RELT348

Required Cognates—3

BHSC230

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 Psychology or Sociology.

International Community Development Emphasis—39

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

Behavioral Sciences Core Courses—15

ANTH124 or 200 or SOCI119; SOCI474 or PSYC269, PSYC101, 450, SOCI432

Community Development Core—15

SOCI350, 360, 437, 480

Select at least 9 credits from the following choices:

ANTH200, BHSC450, BSAD355, ECON225, SOCI415, 433, 434

Suggested General Education Cognates

ANTH200, BHSC220, 235, BIOL208, FDNT230, PHIL224, RELT348, RELP325

Required Cognates—3

BHSC230

Recommended: A reading knowledge of a foreign language is strongly recommended for those planning on graduate work.

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

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

Public Health Emphasis—39

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

Behavioral Sciences Core Courses—15

ANTH124 or ANTH200 or SOCI119; PSYC101, PSYC269 or SOCI474, PSYC450, SOCI432

Public Health Core—15

BHSC440, 450, PSYC319 or 471, SOCI415, 420

Select at least 9 credits from the following choices:

ANTH200, ECON225, SOCI120, 350, 360, 433, 434, 437, 480, PSYC450

Suggested General Education Cognates

BHSC235, *BIOL111, *112 or *BIOL165; BIOL208, *CHEM110 or *CHEM131 and 132, FDNT230, PHIL224, RELT348

Required Cognates—3

BHSC230

*These classes are required to get into graduate school.

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; PSYC269 OR SOCI474

Emphasis Courses

PSYC204, 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; PSYC220, 252, 420

Family Studies Electives—6-9

ANTH420; COMM320, 440; PSYC319, 410, 466; SOCI120, 345, 350, 430, 460; SOWK315,* and as authorized by advisor.

Required General Education—3

PSYC101

Required Cognates—12

BHSC230; COMM440; FDNT230; and one of the following: FNCE206, BSAD104, or BSAD210

Family and Consumer Sciences Emphasis —33

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

Core Courses—33

FMST310, 350; 454, 456, 460; BHSC440, 450; PSYC220, 252, 420; SOCI120

Required General Education—4

PSYC101; HLED120

Required Cognates—6

FDNT230 and one of the following: FNCE206 or BSAD104, or BSAD210

*Students taking this emphasis must complete all secondary teacher certification requirements in the School of Education.

BA: Psychology—31

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

Introduction—3

PSYC101

Developmental—3

PSYC220 (or other developmental course)

Professional Convention—1

PSYC438 Workshop: Midwestern Psychological Convention (or an equivalent professional convention)

Methodology—9

PSYC432, 433, 434

Content Courses (Groups A & B)—15**A minimum of five courses from Groups A & B.****Group A (a minimum of two courses from this group)**

PSYC364, 449, 465, 471, 445

Group B (a minimum of two courses from this group)

PSYC269, 450, 454, 460

Required Cognates—19-25

BHSC230; BIOL111, 112 or BIOL165, 166; PHIL224; RELT340; SOCI119 or ANTH200; one sociocultural awareness class or experience (may be met by taking: BHSC235; ANTH200; SOCI425, BHSC440: Cultural Psychology, an international tour via Andrews, student missionary experience, or attending Adventist Colleges Abroad).

Recommended: Field Experience

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

BS: Psychology

Four options are available—the General Program, the Pre-Professional Program, Health Psychology Emphasis, and Behavioral Neuroscience. 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.

Behavioral Neuroscience—24 + 3 Gen. Ed.

See p. 105

Pre-Professional Program—40

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

Introduction—3

PSYC101

Developmental—3

PSYC220 (or other developmental course)

Professional Convention—1-2

PSYC438 Workshop: Midwestern Psychological Convention (or an equivalent professional convention)

Methodology—9

PSYC432, 433, 434

Content Courses (Groups A, B, C)—18**A minimum of five courses from Group A & B**Group A (a minimum of two courses from this group)

PSYC364, 445, 449, 465, 471

Group B (a minimum of two courses from this group)

PSYC269, 450, 454, 460

Group C (a minimum of one course from this group)

PSYC410, 486

Electives—5-6

Electives may be chosen from Content Courses not taken to meet minimum requirements, other PSYC courses in the undergraduate program, or those approved by the advisor/chair.

Required Cognates—19-25

BHSC230; BIOL111, 112 or BIOL165, 166; PHIL224; RELT340; SOCI119 or ANTH200; one sociocultural awareness class or experience (may be met by taking: BHSC235; ANTH200, SOCI425, BHSC440: Cultural Psychology, an international tour via Andrews, student missionary experience, or attending Adventist Colleges Abroad).

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.

General Program—40

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

Introduction—3

PSYC101

Developmental—3

PSYC220 (or other developmental course)

Professional Convention or Field Experience—1-2

PSYC438 Workshop: Midwestern Psychological Convention (or an equivalent professional convention)—1-2 credits or PSYC480—2 credits

Methodology—3

PSYC432

Content Courses (Groups A, B, C)—18**A minimum of five courses from Group A & B**Group A (a minimum of two courses from this group)

PSYC210, 364, 445, 449, 465, 471

Group B (a minimum of two courses from this group)

PSYC269, 450, 454, 460

Group C (a minimum of one course)

PSYC410, 420, 486

Electives—11-12

Electives may be chosen from Content Courses not taken to meet minimum requirements. Other PSYC courses in the undergraduate program, or those approved by the advisor/chair.

Required Cognates—16-22

BHSC230; BIOL111, 112 or BIOL165, 166; RELT340; SOCI119 or ANTH200; one sociocultural awareness class or experience (may be met by taking: BHSC235; ANTH200, SOCI425, BHSC440: Cultural Psychology, an international tour via Andrews, student missionary experience, or attending Adventist Colleges Abroad).

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; PSYC220 (or other developmental course); PSYC269, 432, 433, 434, 450

Emphasis—18

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

Required Cognates—21-24

BHSC230; BIOL111, 112, or BIOL165, 166; CHEM110 or 131; FDNT230; RELT340

Major Field Test: required in Psychology**BA: Sociology—30**

30 credits (not including general education courses) are required. Of these, 24 credits must be selected from courses numbered 300 and above.

Core Courses—15

Introduction: SOCI119

Methods: SOCI432, 433, 434

Theory: SOCI474

Substantive Areas—15

Family: SOCI120

Criminal Justice: SOCI315 or SOCI345

Health: SOCI420 or SOCI415

Race & Gender: SOCI425 or SOCI430

Policy: SOCI360 or SOCI350

General Education—9

BHSC220, ANTH200, RELT340

Required Cognates—22

BHSC230, ECON225, FMST456, PHIL224, PSYC450, PSYC101 and any foreign language.

Major field test is required. It is expected that all majors will attend at least one professional conference before graduation.

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 three of the following four classes) FMST456;

SOCI410, 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; PHIL224; PSYC450

Recommended: A reading knowledge of a foreign language is strongly recommended for those planning on graduate work in Sociology.

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

Deviant Behavior Emphasis—38-39

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

Core Courses—29-30

SOCI119, 345; SOCI415 or SOCI120; SOCI420, 425, 430, 432, 433, 434, 474

Emphasis Courses—9

FMST454; PSYC458; SOCI315

Required General Education—9

BHSC220; PSYC101; RELT340

Required Cognates—15

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

ANTH200; BHSC230; ECON225; PHIL224; PSYC450

Required Cognates for Emphasis—6

PSYC420, 460

Recommended: A reading knowledge of a foreign language for those planning on graduate work in Sociology.

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, 456; SOCI120, 430

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; PHIL224; PSYC420, 450

Recommended: A reading knowledge of a foreign language for those planning on graduate work in Sociology.

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.

MINORS

All minors require that students earn at least 14 credits in courses numbered 300 and above.

Minor in Anthropology—20

ANTH124 and 200. Students interested in emphasizing archaeology should select ANTH124, 205, 496. Recommended cognates for students interested in archaeology include ARCH260; BOT468 or ZOOL458; DGME130; PHTO115; RELT210.

Minor in Behavioral Sciences—20

Selected from at least three of the following five areas: anthropology, family studies, geography, psychology or sociology. *Students choosing this minor should consult with the chair of the department.*

Minor in Behavioral Sciences—27**Teacher certification emphasis**

PSYC101, 364, 450; SOCI119, 432; one of PSYC220, 252; any three from BHSC220, PSYC269, 454, 460, 465, SOCI345, 425.

Minor in Family Studies—20

FDNT230, FMST115, 310, 456, 460. Additional credits chosen in consultation with program advisor.

Minor in Geography and International Development—21

GEOG110, ANTH200 or GEOG260; GEOG240 or GEOG335; GEOG475 or GEOG455; SOCI360. Attend a 3-week session at an MSA IDP site (part of field experience or topics courses).

Other recommended courses: BHSC230, SOCI432, BHSC450, ECON225, SOCI415, SOCI470, FDNT230, RELT348, RELP325

Minor in Psychology—20

PSYC101, at least one of PSYC450, 454, 460; at least one of 210, 364, 432, 471

Minor in Sociology—20

SOCI119; one of BHSC220; SOCI120, 425 or 430; one of SOCI315, 345 or 415; one of SOCI360, 420 or 470; SOCI474

Graduate Program

MSA: Master of Science in Administration, Community and International Development

Nethery Hall 123

Phone: 269-471-6675

Fax: 269-471-3108

Email: popescu@andrews.edu, cidp@andrews.edu

www.andrews.edu/GRAD/cidp

Administration

Marciana Popescu, Director

Øystein S. LaBianca, Coordinator for Planning, Partnerships, and Research

Lionel Matthews, Academic Advisor

The Department of Behavioral Sciences offers master's-level education leading to the MSA with emphasis in Community and International Development. The competencies that graduates are expected to acquire include an introductory acquaintance with the social-science foundations of community development, especially with regard to understanding the causes of poverty and the meaning of people-centered development; skills related to planning, implementing, and evaluating development projects, including grantsmanship; knowledge of basic principles of organizational behavior, leadership and management as it relates to not-for-profit organizations; understanding of ethical principles and accounting procedures for assuring individual and organizational accountability; competency in at least one special area of concentration, ideally in a field where the student has had some previous experience and background; mastery of social research methods appropriate to their chosen field of concentration; and the ability to communicate effectively to stakeholders about their community development program and plans.

Depending in part on their previous work experience, graduates who pursue community-development emphases may find employment working for inner-city, development agencies; education-based, service-learning organizations; church-based, community-service organizations; grass-roots, community-advocacy groups; and a host of private, voluntary organizations such as Habitat for Humanity, United Way, and the Red Cross.

Graduates who have an interest in international-development may find employment working overseas for international-relief and development agencies such as ADRA, CARE, World Vision, Africare, Oxfam, Peace Core, United Nations, as well as for church-based, mission programs. There are, of course, also numerous positions related to overseas development here in the 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, including education, health care, community-arts promotion, and philanthropy. This is because graduates are prepared to assist their employing organizations to identify their goals and to facilitate the process of planning and the formation of cooperative partnerships by means of which goals are achieved.

ADMINISTRATION OF THE PROGRAM

The MSA in Community and International Development Program is housed in the Department of Behavioral Sciences, which is a part of the College of Arts and Sciences. The program director reports to the faculty and chair of the department and, as needed, to the faculty and deans of the College of Arts and Sciences. Informally, the on-campus MSA program enjoys a consultative and advisory relationship with the MSA Council, which administers the off-campus MSA in International Development, housed in the Office of Affiliation and Extension Programs.

ADMISSION REQUIREMENTS

To be admitted to regular standing in this MSA program, students must

- Qualify for general admission into graduate studies at Andrews University (see p. 44)
- Have a four-year baccalaureate degree or its equivalent
- Have completed an undergraduate course in statistics. Provisional acceptance is granted, with the undergraduate statistics course to be completed during the first semester into the program.
- At least one year's experience in human service or development preferred.
- Pass the GRE test. Provisional acceptance is granted, with the requirement of passing the GRE test during the first semester in the program.

MSA: Community Development or International Development—40

Core Courses—34

Social Science Foundations—8

SOCI520 or MSSN627; SOCI432; ANTH417 or MSSN615 or ANTH600; SOCI550

Planning/Evaluation—6

SOCI530, 535, 545

Economics—3

ECON525

Management—6

BSAD515 and 530

Individual and Organizational Accountability—5

ACCT625 or ACCT500 or ACCT635 or MKTG540; IDSC640 or SOCI580 or MSSN630* or CHMN638

Research and Practicum Requirements

(Capstone Activities)—6

IDSC680

IDSC698-I

IDSC698-2 or IDSC699

(must do either Projects I & II or the Master's Thesis)

Development Emphasis Area—6

(As discussed below)

TOTAL credits required—40

EMPHASIS AREA/CONCENTRATION AREA

Emphasis area could be developed on either a community or an international development track. Students will select up to 6 credits of directed electives, from the courses indicated for this purpose, and design their own emphasis area, with direct guidance from the academic advisor. Students should consult both the Program Director and the Off-campus director, for planning their concentrations, that will be offered on campus or around the world.

The concentrations in community and international development draw on faculty strengths, utilizing courses throughout the university to design a package that meets the students career goals. The students should plan an appropriate program in consultation with the Director of the On-campus MSA and a concentration advisor. Some concentrations may have prerequisite course work in addition to these directed electives. Suggested concentrations include:

Community Health

Church-based Community Development

Economic Development

Family Issues

Family Life Education

Family and Parenting

Financial Management for Nonprofit Organizations:

International Perspectives

Health Care Management

International Marketing for Community Development

Service Learning

Substance Abuse Theories and Prevention Strategies

A complete list of courses that may apply to specific concentrations is available from the department.

Students that will choose to focus on international development have the option of choosing an area of emphasis that is offered or proposed in collaboration with ADRA, or other international agencies. Some examples of such concentrations are: disaster preparedness; institution strengthening; urban development; international agriculture; food security; economic development; peace and conflict resolution; refugees and displaced population. Students will follow the requirements and write a proposal for their concentration topic that is subject to the approval of the on-campus program director.

All students have the option of taking one or more classes off-campus, at internationally-based sites. Also, all efforts will be taken towards finding international field placements for students that choose to focus on an international development career and plan to work overseas. Information about off-campus sessions, concentration sessions and workshops offered around the world and international internships is available in both off-campus and on-campus offices. Students are advised to consult with the directors of both programs when planning an international area of emphasis and/or an international field placement.

List of electives: ANTH415 or MSSN618; BHSC450; BSAD531, 532, 535, 545, 560, 670; CHMN544; COMM536; ECON500; EDAL520, 635; EDCI547, 620; EDFN514; EDPC520; 554; 628, 634; EDRE655, 657, 658, 659, 676; FDNT421, 422, 469, 540, 545, 570, 585; FMST454; FNCE526; HLED420; MKTG500, 540; MSSN618; NRS517; PSYC420, 455, 458; SOCI415; 430, 434; SOWK410; 440, 630; 456

The emphasis area could be designed upon individual choice, based on a plan that the student will submit to the academic advisor as a rationale for her/his choice of emphasis. Courses could be picked from the suggested electives, up to 6 credits. Workshops for 3 credits or more could replace some of these electives. Field practicum and research will be necessarily related to the area of 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.

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.

Courses

(Credits)

See inside front cover for symbol code.

ANTHROPOLOGY

ANTH124 Alt (3)

Introduction to Anthropology

An introduction to the anthropological perspective. Topics include cognitive and social aspects of language, biology and the study of culture, origins of culture, archaeology and cultural beginnings, introduction to the study of cultural variation, and models of culture. Offered even years.

ANTH200 (3)

Cultural Anthropology

Comparative study of human diversity and of ways of being human. The concept of culture and ethnography as the primary tool of cultural anthropological research. Salient features of tribal communities, state level policies and modern network society. Globalization and its social, economic and environmental consequences. Understanding "ourselves" and those we call "others."

ANTH205 Alt (3)

Introduction to Archaeology

An introduction to some of the discoveries made by archaeologists and to some of the methods whereby their discoveries are made. Advances in archaeological method and theory over the past 100 years are explained and illustrated. Normally offered odd years.

ANTH415 ♦ (3)

Urban Anthropology

An introduction to ethnographic approaches to understanding urban populations and problems. Special emphasis placed on examining the uses of quantitative methods in the design of urban community initiatives.

ANTH417 ♦ (2-3)

Applied/Development Anthropology

An introduction to cultural anthropology with special emphasis on principles and techniques of research applicable to community and international development.

ANTH420 ♦ (3)

Food and Culture

An analysis of the role of food in human affairs with special emphasis on understanding who is well fed and who is hungry among the world's peoples and why such huge differences exist in the level of food security among the world's people.

ANTH435 ♦ (3)

Museum and Lab Methods

Methods for preparation and preservation of archaeological finds. Conservation, cleaning, cataloguing, and classification. Analysis of lithics, ceramics, faunal and floral remains, metals, and glass.

ANTH440 ♦ (1-3)

Topics in Anthropology

Topics in cross-cultural anthropology. Repeatable as topics vary.

ANTH455 ♦ (3)
Ethnography
 An introduction to ethnography as a method for gathering data about human social interactions and communities. Overview of various ways of doing ethnographic fieldwork within and beyond the discipline of anthropology. Examples of ethnography in international development, business, industry and government will also be discussed. *Every other year.*

ANTH478 ♦ (3)
Archaeological and Ethnographical Perspectives on the Middle East
 History of exploration. Beginnings of sedentary food production and pastoralism. Rise of Egyptian and Mesopotamian civilization. Israel, Ammon, Moab, and Edom. Rome and Christianity. History of the Arabs and Islamic civilization. Ethnographical perspectives 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 V (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 V (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.

BHSC438 (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.

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 V (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 semester to semester. 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 V (3)
Introduction to Psychology

AU/HSI course—see content above.

PSYC180 (3)
Dealing with Your Mind

An introduction to the brain and how it works, with an emphasis on processes used in everyday life: perception of our surroundings, memory and other facets of general cognition, and links to addictive behavior. The labs will give hands-on experience with these topics. Students will be exposed to research opportunities.

- PSYC204** (3) ◆ (3)
Personal, Social and Career Development
 Application of psychological principles of behavior as they influence optimal personal, social and career development, with an emphasis on effective strategies for self-management and self-improvement.
- PSYC210** § (3) ◆ (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.
- PSYC220** (3) ◆ \$ (3)
Human Development—Lifespan
 Lifespan is an integrative approach to psychological development which emphasizes the interdependency of physical, cognitive, emotional and social development. The interrelatedness of theory, research, and application are seen throughout the entire sequence of human development from conception to death. Prerequisite or corequisite: PSYC101 or written permission of the teacher.
- PSYC252** (3) ◆ \$ (3)
The Psychology of Adolescence, Youth, and Aging
 Current psychological theories relating to psychological development, maturity, and decline as evidenced during the adolescent, youth, middle age, and retirement years. Prerequisite: PSYC101.
- PSYC252** V (3) ◆ \$ (3)
The Psychology of Adolescence, Youth, and Aging
 AU/HSI course—see content above.
- PSYC269** (3) ◆ \$ (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. Prerequisite: PSYC101.
- PSYC269** V (3) ◆ \$ (3)
History and Systems of Psychology
 AU/HSI course—see content above.
- PSYC315** V (3) ◆ \$ (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) ◆ \$ (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) ◆ \$ (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** V (3) ◆ Alt (3)
Learning and Behavior
 AU/HSI course—see content above.
- PSYC410** (3) ◆ (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, 269 or 460.
- PSYC420** (3) ◆ (3)
Human Sexuality
 A study of the multiple aspects of sexuality within a framework of Christian values.
- PSYC432/SOCI432** § (3) ◆ \$ (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) ◆ \$ (3)
Research Methods III: Advanced Research Design-Experimental and Survey
 The principles of designing, administering, 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) ◆ \$ (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** V (4) ◆ \$ (3)
Research Methods IV: Advanced Statistical Analysis and SPSS
 AU/HSI course—see content above.
- PSYC438** (1-3) ◆ (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.
- PSYC445** (3) ◆ (3)
Cognitive Psychology
 A study of how people use and acquire knowledge with emphasis on how people perceive, think, remember, store information, solve problems, and acquire and use language. Prerequisite: PSYC101 or 180.
- PSYC449** Alt (3) ◆ 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 or 180; 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 two other behavioral science courses.

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.

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 V (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 V (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 years.
- SOCI425** ♦ (3)
Racial and Ethnic Relations
 A study of the distinctive racial and cultural minorities in American society with an emphasis on problems and adjustments within the larger society.
- SOCI425** V (3)
Racial and Ethnic Relations
 AU/HSI course—see content above.
- SOCI430** ♦ (3)
Gender Roles in Contemporary Society
 Significant issues related primarily to the concerns of women as members of American society, but also in cross-cultural perspective. Includes such topics as socialization in sex roles, women in the professions, women in minority groups, the feminization of poverty, and women and substance abuse and crime.
- SOCI432/PSYC432** ♦ § (2-3)
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.
- SOCI/PSYC433** ♦ § (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.
- SOCI/PSYC434** ♦ § (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.
- SOCI460** ♦ (2)
Death and Grief in Contemporary Society
 The study of cultural and societal perspectives on death and personal and interpersonal dynamics of death and dying.
- SOCI470** ♦ (3)
Demography
 Overview of the world's population; spatial dimensions of human populations; fertility concepts, measurements, trends, levels, and explanations; mortality and migration; population structures, life chances; population growth, economic development, and the environment.
- SOCI474** ♦ Alt (3)
Social Thought and Theory
 The roots of self-conscious social thought and the rise of sociology and anthropology as scientific disciplines in the 19th century. Major theoretical orientations in their fields, proponents, and impact on present-day sociology and anthropology are reviewed. Normally offered odd years.
- SOCI480** (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 is required for each credit. Open only to departmental majors. Repeatable to 8 credits.
- SOCI488** V (3)
The City in the Industrialized World
 AU/HSI course. The structure and development of the modern urban community with emphasis on ecological and demographic features of urban life. Normally offered even years.
- SOCI495** (1-3)
Independent Study/Readings/Research/Project in Sociology
 Individual assignments and/or reports and/or individualized research in sociology 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.
- SOCI520** (2)
Concepts of Community Development
 Community development refers to the practice of planning and implementing projects to improve the quality of life for people liv-

ing in poverty, both locally and internationally. Development will be presented as the building of social capital in our communities that enables them to function at a higher and more efficient level. Building on the core Christian principles that emphasize development, this course will provide students with a better understanding of community, while applying basic development concepts to local and international realities.

SOCI530 (2)

Community Needs Assessment & Capacity Mapping

Introduction to various methods for assessing community needs and mapping community capacity to address those needs.

SOCI535 (2)

Program Planning, Budgeting & Grantsmanship

Building on assessment and capacity mapping, the related topics of program planning, budgeting and grant-writing are presented. Hands-on experience is sought, linking classroom instruction and real community situations.

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.

SOCI550/350 (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.

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.

BEHAVIORAL NEUROSCIENCE

Price Hall, Room 216, Nethery Hall, Room 123
(269) 471-3243, (269) 471-3261, (269) 471-3152
stout@andrews.edu, biology@andrews.edu, bhsc@andrews.edu

Faculty

John Stout, Coordinator
Gordon Atkins, Advisor, Biology
Herbert Helm, Advisor, Psychology
Shandelle Henson, Advisor, Mathematics
David Mbungu, Advisor, Biology
Duane McBride, Advisor, Behavioral Science
Karl Bailey, Biology and Psychology
John Berez, Psychology
James Hayward, Biology
Derrick Proctor, Psychology
David Steen, Biology

Academic Programs	Credits
BS: Biology	
Neuroscience emphasis	67
Behavior/Mathematics emphasis	67
BS: Psychology	
Behavioral Neuroscience emphasis	68

Behavioral Neuroscience is a new interdisciplinary program at Andrews University that is based in Behavioral Science, Biology and Mathematics. It has been established with the support of an approximately one-half million dollar grant from the National Science Foundation. Its purpose is to provide new opportunities for undergraduates to prepare for exciting careers in the fascinating, rapidly growing scientific fields which involve the study of the brain and its control of behavior. Students will be involved in hands-on, laboratory experiences, using the latest equipment as well as class work which will emphasize neuronal function, processing by the brain and the latest understanding of topics such as perception, memory, cognition, sensory input, the basis for mental and emotional disorders, drug addiction and other topics. Research with a faculty mentor is an integral part of the program and is supported by student scholarships provided by the National Science Foundation grant. Students who enter this Behavioral Neuroscience program will complete a common core of classes and choose one of three emphases outlined below to complete a BS degree in either Biology or Psychology.

Undergraduate Programs

Behavioral Neuroscience Core—38-40 + 3 Gen. Ed.

General Education: PSYC180-3
BIOL165, 166, ZOOL475, CHEM131, 132
CHEM231, 232, 241, 242 or PHYS141, 142 or PHYS241, 242, 271, 272
PSYC364, 445, 449