BEHAVIORAL SCIENCES

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Academic Programs	Credits
BS: Behavioral Sciences	39
Emphasis Areas	
Anthropology	39
Anthropological Archaeology	39
Public Health	38–39
Student Development	41
BS: Family Studies	39
BA: Psychology	31
BS: Psychology	40
Emphasis Areas	
Behavioral Neuroscience	68–71
General Program	40
Health Psychology	39
Pre-professional Program	40
BA: Sociology	30
BS: Sociology	38–39
Emphasis Areas	
Community & International Development (CID)	45
Emergency Preparedness	49
Deviant Behavior	38–39
Sociology of the Family	39
Minor in Anthropology	20
Minor in Behavioral Sciences	20
Minor in Family Studies	20
Minor in Community & International Development	20
Minor in Psychology	20
Minor in Sociology	20
MS: Community and International Development	
Regular Standing, Two-Year Program	45–51
Advanced Standing, One-Year Program	30+

Mission

The Department of Behavioral Sciences is concerned with the study of how human beings think and behave, both as individuals and in social, spiritual and cultural settings. By providing students with the discoveries and procedures accumulated from this versatile field of study, our goal is to empower students to utilize their knowledge to further the mission of the Seventh-day Adventist Church and to restore men and women to the image of our Maker.

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.

Computer Policy

In the behavioral sciences, the computer is an indispensible tool for collecting and working with data, accessing scientific reports, and for writing and critical thinking. As a result, the Department of Behavioral Sciences requires students to have a laptop computer in order to meet the requirements of the curriculum; this computer must be purchased by the student's second year in the program or the semester of the first research class, whichever is earlier. Students are responsible for maintaining their computer with the required software appropriate for the courses that they are enrolled in as they progress through the curriculum. A list of required software and minimum specifications that a laptop must meet is available in the Department of Behavioral Sciences office; use of the computer varies by course.

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 Sociology minor. 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 Courses—3
BHSC220 or BHSC235, PHIL224

Cognate
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. Those with specific vocational goals may wish to consider one of the following areas of emphasis:

Anthropology—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, PLSC460, RELG360 or SOCI360, 425

Suggested General Education Courses
BHSC235, BIOL165 or 208, ECON225, PHIL224, RELT348

Cognate—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.

Anthropological Archaeology—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, RELB111

Suggested General Education Courses
BHSC235, BIOL100, PHIL224, RELT348

Cognate—3
BHSC230

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

Students pursuing this major who are interested in a career in International Development may qualify for advanced standing (one year) in the Master of Science: Community and International Development Program if they take the following: ACCT122, ECON 225, PSYC315, SOCI350, 360, 408, 433, 434. For more information regarding the MS in Community and International Development, see Behavioral Sciences Graduate Program section.

Public Health—38/39
(27 credits must be selected from courses numbered 300 or above). Because of the breadth of the public health emphasis, courses should be selected from each category in consultation with an advisor.

Behavioral Sciences Core Courses—18
PSYC101, 450, SOCI432, 433
Choose one: ANTH124, ANTH200 or SOCI119
Choose one: PSYC269, SOCI474 or 445

Public Health Core—14/15
BHSC405, SOCI350, 420 or HLED480
Choose one: PSYC420, SOCI408, SOCI415 or HLED445
Choose one: PSYC319, 471 or PSYC445

Select at least 6 credits from the following choices:
ECON225, FMST201, 310, SOCI360, 480

Suggested General Education Courses
*BIOL221 and *222 or *BIOL165 and 166; BIOL208, *CHEM110 or *CHEM131 and 132, FDNT230, PHIL224, RELT348

Required Cognates—6
BHSC230, SOCI434

*These classes are required for graduate school admission.

Students pursuing a BS in Behavioral Sciences with an emphasis in Public Health who are interested in a career in International Development may qualify for advanced standing (one year) in the Master of Science: Community and International Development Program if they take the following: ACCT122, ANTH200, ECON 225, PSYC315, SOCI350, 360, 408, 433, 434. For more information regarding the MS in Community and International Development, see Behavioral Sciences Graduate Program section.

Student Development—41
(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, FMST201, SOCI345, 480

Required General Education Course—3
PSYC101

Cognate—2+
EDPC430

Recommended: EDPC438

BS: Family Studies (39)

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

Core Courses—33
BHSC440; FMST115, 201, 310, 350, 454, 460, 470, PSYC301, 420, SOCI440

Family Studies Electives—6
ANTH420; COMM32O; PSYC319, 410, 466; SOCI345, 350, 430, 460; SOWK315,* and as authorized by advisor.

Required General Education Course—3
PSYC101

Cognates—15
BHSC230, COMM445, FDNT230, PSYC432, and one of the following: FNCE206, BSAD104, or BSAD210

BA: Psychology (31)

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

Introduction—3
PSYC101

Developmental—3
PSYC301 (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, 425, 449, 465, 471, 445

Group B (a minimum of two courses from this group)
PSYC269, 450, 454, 460

Cognates—19–25
BHSC230, BIOL221, 222 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.

General Program—40

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

Introduction—3
PSYC101

Developmental—3
PSYC301 (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 Groups A & B

Group A (a minimum of two courses from this group)
PSYC210, 364, 425, 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.

Cognates—16–22
BHSC230; BIOL221, 222 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.

Pre-Professional Program—40

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

Introduction—3
PSYC101

Developmental—3
PSYC301 (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 Groups A & B

Group A (a minimum of two courses from this group)
PSYC364, 425, 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, 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.

Cognates—19–25
BHSC230, BIOL221, 222 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.

Health Psychology—39

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

Core courses—21
PSYC101; PSYC301 (or other developmental course), PSYC269, 432, 433, 434, 450

Emphasis—18
BHSC450, PSYC210, PSYC319 or SOCI420, PSYC460, PSYC465 or PSYC454, PSYC471 or PSYC364
Cognates—21–24
BHSC230, BIOL221, 222, or BIOL165, 166, CHEM110 or 131, FDNT230, RELT340
Major Field Test: required in Psychology

Behavioral Neuroscience—41–43 Core + 27 Concentration
See p. 112.
Psychology students who are interested in a career in International Development may qualify for advanced standing (one year) in the Master of Science in Administration: Community and International Development Program if their completed undergraduate program of study includes:
Major Courses: PSYC315, SOCI360
Cognate: ANTH200
Electives: ACCT121,122, ECON 225, SOCI350, 408, 480 or summer workshop by permission.
For more information regarding the MS in Community and International Development, see Behavioral Sciences Graduate Program section.

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: FMST201
Criminal Justice: SOCI315 or SOCI345
Health: SOCI420 or SOCI415
Race & Gender: SOCI425 or SOCI430
Policy: SOCI360 or SOCI350
Required General Education Courses—9
BHSC220, ANTH200, RELT340
Cognates—18
BHSC230, ECON225, PSYC180, PHIL224, PSYC450, PSYC101
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 FMST201
SOCI420, 425, 430, 432, 433, 434; 474
Electives—9
(Choose three of the following five classes)
FMST310, SOCI350, 410, 440, 460
Required General Education Courses—9
BHSC220, PSYC101, RELT340
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

Community & International Development—45
(27 credits must be selected from courses numbered 300 or above)

Community development workers perform a wide array of tasks that enable communities at the local or international level to change and improve various aspects in the lives of their residents. They work in different settings such as inner city agencies, service-learning organizations, community service organizations, community advocacy groups, etc. Additionally community development workers could work overseas in international relief and development agencies as well as for church-based mission programs.
Students qualify for entry into the BS CID when they:
- Earn a minimum GPA of 2.00
- Receive grades of C or better in all required program prerequisite and cognate courses

Behavioral Sciences Core Courses—15
SOCI119, SOCI474, PSYC101, 450, SOCI432
Emphasis Courses—30
SOCI408. PSYC315 (or BSAD384 if PSYC315 is not available)
SOCI350, 360, 480 (2);*ACCT122, ANTH200, BSAD355, *ECON225, *SOCI/PSYC433, *SOCI/PSYC434
Cognate—3
BHSC230
Field Experience: Students are required to complete a 200-hour internship: 2 credits of SOCI480 or, for double majors with the BSW, SOWK435 plus 1 credit of SOCI480 (to the BSW internship add 100 hours of CID activities). Internships are normally completed during the senior year.
Recommended: A reading knowledge of a foreign language is strongly recommended for those planning on graduate work.
It is expected that all majors will attend at least one professional conference before graduation.

*If BS CID students choose to pursue a Master of Science in Administration Community and International Development, they qualify for advanced standing (one-year) when they choose ECON225, SOCI/PSYC433, SOCI/PSYC434, and ACCT122. Students with other educational backgrounds who do not have a BS CID need two years, regular standing to complete the master's degree.

Emergency Preparedness—49
Foundation Courses—39
BHSC450 or SOCI420, SOCI425 or SOWK315, BHSC230, FDNT469, PLSC260, PSYC315, 319, SOCI350, 360, 432, 433, 434, 470, SOWK460
Emphasis Courses*—10
SOCI408, 478, 490, BSAD355
Required General Education Courses—15
BHSC235, BIOL208, 260, CHEM100
Cognates—6
ACCT121, ECON225
* All the BHSC courses in Emergency Preparedness are dual-numbered with Social Work courses.
Completion of this emphasis prepares a student for Advanced Standing in the MS Community and International Development program.

Electives
*SOCI445, *449, *BSAD426/526, *COMM435/*535, *SOWK477, IDSC680, ANTH417
Completion of the *courses (totaling 18–19 credits) will make a person eligible for an Andrews University Certificate in Emergency Preparedness as provided by the Department of Social Work.
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.

Students pursuing a BS in Sociology with an emphasis in Emergency Preparedness, who are interested in a career in International Development may qualify for advanced standing (1 yr) in the Master of Science in Administration: Community & International Development Program if they take ACCT122. Additionally, students must choose ANTH200 to fulfill the social sciences component of the General Education requirements.

Deviant Behavior—38–39
(27 credits must be selected from courses numbered 300 or above)
Core Courses—29–30
SOCI119, 345, SOCI415 or FMST201, SOCI420, 425, 430, 432, 433, 434, 474
Emphasis Courses—9
FMST454, PSYC460, SOCI315
Required General Education Courses—9
BHSC220, PSYC101, RELT340
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—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—12
BHSC440, FMST201, 350, SOCI430
Required General Education Courses—9
BHSC220, PSYC101, RELT340
Cognates—27
(The following courses are required choices in your general education or elective program)
ANTH200, BHSC230, ECON225, FMST310, 454, 460, PHIL224, PSYC420, 450
Electives—3
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. 200, 455 or 496. Students interested in emphasizing archaeology should also select ANTH205 and 435. Recommended cognates for students interested in archaeology include BHSC235, SOCI360 and 432.

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 Family Studies (20)

FDNT230, FMST115, 201, 310, 460. Additional credits chosen in consultation with program advisor.

Minor in Community and International Development (20)

ACCT121, BHSC230, ECON225, PSYC315 or BSAD384, SOCI360, 408, 432
General Education requirement: ANTH200
Other recommended courses: BSAD355 and SOCI480 (2)
(Students will complete a minimum 200-hr internship.)

A minor in Community and International Development progresses toward advanced study. Students with this minor who wish to pursue the MS in Community and International Development will qualify for advanced standing (one-year degree) if they also take ACCT122, ANTH200, SOCI350, 433, 434.

Minor in Psychology (20)

PSYC101, at least one of PSYC364, 425, 449, 465, 471; and at least one of PSYC269, 450, 454, 460. Remaining 11 credits to be chosen from the other PSYC courses.

Minor in Sociology (20)

Teacher Certification (20–21)

SOCI119, one of BHSC220, FMST201, SOCI425 or 430, one of SOCI315, 345 or 415, one of SOCI360, 420 or 470, SOCI474
Electives—to equal 5 credits

Students wishing to use a sociology minor for Secondary Teaching Certification must take the requirements above, plus SOCI433 Research Methods III—Survey and Experimental Research. (This course requires SOCI434 as a corequisite). The research courses may be used to fulfill the electives.

Graduate Program

Community & International Development Program

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Administration

_____, *Director*

These pages relate to the on-campus, full-time Community & International Development Program. For information about the part-time, off-campus International Development Program, consult the International Development Program section of this Bulletin, p. 84

Academic Program	Credits
MS: CID (Master of Science in Community and International Development)	
Two-year Regular Program	45–51
One-year Advanced-Standing Program	30+

The Department of Behavioral Sciences offers master's-level education leading to a Master of Science (MS) in Community & International Development. The competencies graduates are expected to acquire include social-science foundations of community and international 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 they relate to not-for-profit organizations; understanding of ethical principles and financial analysis for assuring individual and organizational accountability; competency in at least one concentration area of development emphasis to meet the student's career goals; mastery of social research methods appropriate to the chosen field of concentration, and the ability to communicate effectively to stakeholders about community development program and plans. Courses are taught on the campus of Andrews University: students who are interested may attend up to one off-campus intensive session with the MS in International Development.

Depending in part on previous work experience, graduates who pursue the MS in Community and International Development may find employment working for inner-city development agencies, education based service-learning organizations, church based community service organizations, grass-roots community advocacy groups, national and international faith-based NGOs, United Nations organizations, government organizations, and other development and relief agencies. Graduates are not limited by their concentration to opportunities in the humanitarian industry as the MS training make students viable candidates for a host of consultancy positions requiring persons with skills in grant writing, not-for-profit administration, education, and philanthropy.

Admission Requirements

To be admitted to regular standing in the Community and International Development Program for the MS degree, students must:

- Qualify for general admission into graduate studies at Andrews University (see p. 44)
- Have completed an undergraduate course in statistics. Provisional acceptance is granted, with the undergraduate statistics course to be completed during the first semester in the program. Students who enter the program in the spring semester must have completed a statistics course not more than three years prior to enrollment.

  They must also meet the requirements outlined below.

MS—Regular Standing, Two-Year Program

The regular standing two-year program requires 45–51 credits of coursework and internship. Students in the regular two-year program complete the Social Science Foundation and research courses, as well as the advanced courses.

Applicants to the regular two-year program must meet the following criteria, in addition to other general admission requirements of the Andrews University School of Graduate Studies & Research:

- A bachelor's degree from an accredited college or university;
- An overall undergraduate GPA of 3.00 or 3.50 in 8 or more credits of previously taken graduate courses graded A–F. Students may be admitted provisionally with a GPA of 2.6 or higher. Such students must maintain a GPA of 3.0 or higher during their first 12 graduate credits to continue in the program;
- Satisfactory scores on the Graduate Record Exam (GRE) taken no more than 5 years prior to the intended admission date.
- Completed Graduate Application packet.

The director of the program may request a personal interview or a third reference and/or other information.

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

*It is expected that all majors will present at least one paper at a professional conference and publish at least one article in a professional journal before graduation.

MS—Advanced Standing, One-Year Program

The advanced standing one-year program requires 30 credits of coursework and at least 300 hours of internship.

This alternative will allow students to finish their MS in one year, provided they have taken the following courses or courses of similar content during their junior and senior years in college: Social Policy (2), Emergency Preparedness (2), Anthropology (3), Macroeconomics (3), Human Resource Management (3), Survey/ Fundamentals of Accounting II (3), Research Methods II, III, & IV (2, 2, 2).

Students who lack up to 12 credits of these prerequisites may be accepted provisionally into the advanced standing program. Provisional status will remain in effect until the prerequisites are completed.

Students majoring in Anthropology, Psychology or Sociology with an emphasis in Emergency Preparedness or Public Health may refer to those sections of the bulletin for specific information on how these prerequisites can be integrated into their major.

In addition to having completed the prerequisites listed above and meeting the general admission requirements of the Andrews University School of Graduate Studies & Research, applicants to the one-year Advanced Standing program should also have the following:

- A bachelor's degree from an accredited college or university;
- An overall undergraduate GPA of 3.00 or higher, 3.50 or higher in 8 or more credits of previously taken graduate courses graded A–F. Students may be admitted provisionally with a GPA of 2.6 or higher. Such students must maintain a GPA of 3.0 or higher during their first 12 graduate credits to continue in the program;
- Satisfactory scores on the Graduate Record Exam (GRE) taken no more than 5 years prior to the intended admission date;
- Completed Graduate Application packet.

The director of the program may request a personal interview or a third reference and/or other information.

Incoming graduate students who have finished their undergraduate degree in a relevant field or at a different university, but lack some courses with similar content required for advanced standing in the MS-CID program, may take the CLEP test (College-Level Examination Program) so that they may qualify for advanced standing. Decisions regarding what classes could be accepted through CLEP will be taken on an individual basis.

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

*It is expected that all majors will present at least one paper at a professional conference and publish at least one article in a professional journal before graduation.

Degree Requirements

Satisfactory completion of the curriculum listed below:

Regular Standing—45–51

Social Science Foundation—8–9
SOCI520 (2), SOCI550 (2) or PLSC435 (3), ANTH600 (2), SOCI508 (2)
Planning/Evaluation—6
SOCI530 (2), 535 (2), 545 (2)
Economics—2
ECON500-002 (2)
Management—5–6
PSYC515 (2) or BSAD515 (3), BSAD530 (3)
Individual and Organizational Accountability—8–9
ACCT500 (2) or 620 (3) or 625 (3), SOCI640 (2), SOCI638 (2), 631 (1), 632 (1), 670 (0), 677 (0)
Research Requirements (Capstone Activities)—8–10
SOCI532 (2), 533 (2), 534 (2), SOCI698 (2) or 699 (4)
Practicum Requirements—2
SOCI680 (2) = 300 hours
Concentration Electives—6–9
(At least 3 courses, as discussed below)
TOTAL credits required—45–51

Advanced Standing—30+

Social Science—2
SOCI520 (2)
Planning/Evaluation—6
SOCI530 (2), SOCI535 (2), SOCI545 (2)
Management—3
BSAD530 (3)
Individual and Organizational Accountability—6
SOCI640 (2), 638 (2), 631 (1), 632 (1), 670 (0), 677 (0)
Research Requirements (Capstone Activities)—2–4
SOCI698 (2) or SOCI699 (4)
Practicum Requirements—2
SOCI680 (2) = 300 hours
Concentration Electives—9–12
(At least 4 courses, as discussed below)
TOTAL credits required—30+

Concentration Areas

The concentration area is selected by individual choice and will draw on Behavioral Sciences faculty strengths and utilize courses offered throughout the university. The program director/advisor, in consultation with the student, will select a minimum of three courses for 6–9 credits (regular standing) or at least four courses for 8–12 credits (advanced standing) of elective courses related to the chosen concentration to meet the student's career goals. Students interested in international exposure but who cannot afford an overseas internship may elect to take a Study Tour for 4 credits from the credits required for concentration. The tour should be relevant to the student's area of concentration. Students who decide to take the Study Tour, will be required to take an additional 4 credits towards their area of concentration. Students who choose not to take the Study Tour option can choose 6–8 credits (regular) or 8–12 credits (advanced) towards their area of concentration. The student will submit a plan and rationale for the concentration requirements to the program director/advisor for approval.

Students, in consultation with the program director, may choose any area of concentration that aligns with their research and career interests. Suggested concentration areas are listed below. However, students may choose a different area of concentration, provided they provide documentation that they are able to meet the general concentration requirements (adequate credits, appropriate field practicum, and research projects are available). The following list of possible concentration areas is not exhaustive:

Advocacy
Community Education
Disaster Preparedness
International Relations
Gender, Poverty and Microenterprise
NGO Development and Operations
Peace and Conflict Resolution
Community Health
Gerontology

A complete list of suggested courses that may apply to a specific concentration is available from the program director. The schools and departments regulate policies that govern the elective courses offered as part of the concentration package. Some elective courses may require pre-requisites and should be discussed in advance with the program director/advisor for guidance in completing the concentration.

The Field Practicum and Research Project/Thesis will necessarily be related to the area of concentration in order to provide students with an in-depth understanding of the chosen area, and with the possibility of applying course work in practice. Students are required to undertake a 300-hour internship through a field placement with a domestic, national, or international organization/project. Internships are based on prior approval and advice from the program director. Arrangements for the internship will be made by the program director/advisor pending availability and feasibility of the placement proposed by the student.

Assistantships

Students have the opportunity to apply for graduate assistantships—administrative, teaching or research.

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.

ANTH417/517 **(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.

ANTH495 **(1–3)**
Independent Studies/Readings in Anthropology

ANTH496 **♦ (1–8)**
Supervised Fieldwork in Anthropology or Archaeology
Students may apply to participate as trainees on research projects sponsored either by the Department of Behavioral Sciences 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/GU 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/GU course—see content above.

BHSC300 **$ (1–2)**
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. 20 hours of service is required for each credit registered for. Does not apply to a major or minor.

BHSC378 **$ (0)**
Study Tour
Travel to destinations relevant to individual programs of study. Classes will be selected from department(s) offerings. Fee may be required.

BHSC405 **(3)**
Introduction to Public Health
An overview of some of the important content areas and disciplines that make up Public Health, including Health Promotion and Education and Education, Environmental Health, Epidemiology, Disease Prevention, Global or International Health issues and other aspects of our environment that effect the Public Health.

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 **(1–4)**
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 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.

BHSC498 **(1–3)**
Research Project in Behavioral Sciences
An independent research project in behavioral sciences typically supervised by a faculty member and resulting in a technical report summarizing findings or a submission to a professional conference. Students may repeat or take any combination of departmental independent study or research project courses up to 6 credits with no more than 3 credits per semester. Consult staff before registering.

BHSC575 **(1–5)**
Topics in Behavioral Sciences
Repeatable with different topics. This topic course could be used to register for a Study Tour.

BHSC578 **$ (0)**
Study Tour
Travel to destinations relevant to individual programs of study. Classes will be selected from department(s) offerings. Fee may be required.

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.

FMST201 **(3)**
Personal Relationships
The interdisciplinary study of personal relationships including intimate relationships, marriage and family living. The course will focus on the processes and skills necessary to build, maintain and enjoy important relationships across the lifespan.

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.

FMST460 **♦ Alt (3)**
Family Resource Management
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/GU 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 framework 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/GU 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)**
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)**
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.

PSYC252 **(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)**
The Psychology of Adolescence, Youth, and Aging
AU/GU course—see content above.

PSYC269 **(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)**
History and Systems of Psychology
AU/GU course—see content above.

PSYC301 **(3)**
Human Development—Lifespan
Lifespan is an integrative approach to psychological development which emphasizes the inter-dependency 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.

PSYC315 **V (3)**
Organization and Work
AU/GU 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.

PSYC315 **(3)**
Organization and Human Resources
This course teaches students to apply psychological theories and principles to the inner workings of organizations. The following topics are discussed in detail: employee selection and training, small group behavior, leadership, attitudes and motivation, power and politics, and strategies for fostering organizational change. Students will learn to interpret research findings accurately and responsibly as well as how to conduct empirical research in organizational settings.

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 **V (3)**
Learning and Behavior
AU/GU course—see content above.

PSYC410 **♦ (3)**
Introduction to Theories in 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)**
Human Sexuality
A study of the multiple aspects of sexuality within a framework of Christian values.

PSYC425 **♦ $ (3)**
Psycholinguistics
A survey of the psychological processes involved in human language use, including comprehension, acquisition, or language. The relationship of language to other thought processes and its neural correlates will also be discussed. Integrated lab activities and projects will introduce common experimental methodologies in psycholinguistics. Prerequisite: PSYC101 or 180.

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. Lab schedule will be arranged. Prerequisite or corequisite: BHSC230 or STAT285.

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. Lab schedule will be arranged. Corequisite: PSYC/SOCI434. Prerequisite: BHSC230 or STAT285 and PSYC432.

PSYCI434 **$ (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)**
Research Methods IV: Advanced Statistical Analysis and SPSS
AU/GU 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.

PSYC445 **♦ $ (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. A weekly lab focuses on experimental techniques that have been used to examine mental processing. Prerequisite: PSYC101 or 180.

PSYC449 **♦ $ (3)**
Neuropsychopharmacology
A study of the mechanisms of actions of psychotropic agents and how they affect human perception and behavior. Emphasis is placed on the organization and function of the nervous system and the molecular and biochemical basis of drugs used to treat behavioral and clinical disorders. Weekly: 2 lectures and one 3-hour lab. Prerequisites: PSYC101 or 180; BIOL221, 222 or BIOL165, 166.

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. 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. Normally offered odd years.

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. Prerequisite: PSYC101, BHSC230 or STAT285.

PSYC495 **(1–3)**
Independent Study/Readings 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/GU course. Provides an opportunity to work with an instructor on a research project and/or studies in psychology.

PSYC498 **(1–3)**
Research Project in Psychology
An independent research project in psychology typically supervised by a faculty member and resulting in a technical report summarizing findings or a submission to a professional conference. Students may repeat or take any combination of departmental independent study or research project courses up to 6 credits with no more than 3 credits per semester. Consult staff before registering.

PSYC515 **(2)**
Organization and Human Resources
This course teaches students to apply psychological theories and principles to the inner workings of organizations. The following topics are discussed in detail: employee selection and training, small group behavior, leadership, attitudes and motivation, power and politics, and strategies for fostering organizational change. Students will learn to interpret research findings accurately and responsibly, and there will be a special emphasis on learning to conduct empirical research in organizational settings.

PSYC575 **(1–4)**
Topics in Psychology
Repeatable with different topics. This topic course could be used to register for a Study Tour.

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/GU course—see content above.

SOCI314 **(2–3)**
Migrant & Refugee Issues
This course will study fundamental theories and concepts regarding voluntary migration (migrant issues) and forced migration (refugee issues). It will also address the main political, social, economic, and environmental push-and-pull factors that influence immigration and emigration within the framework of globalization.

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 **(2)**
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.

SOCI408 **♦ $ (2)**
Emergency Preparedness
Provides an introduction to basic philosophy and concepts of Emergency Preparedness as required by FEMA (Federal Emergency Management Agency) and most states which certify staff. Includes use of FEMA—provided modules in the Professional Development Series which are accepted prerequisites for advanced classroom courses. A passing grade is required on each module for a Satisfactory grade and receipt of a Professional Development Series Certificate of Completion.

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/GU 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 **$ (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. Lab schedule will be arranged. Prerequisite or corequisite: BHSC230 or STAT285.

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. Lab schedule will be arranged. Corequisite: PSYC434. Prerequisites: BHSC230 or STAT285 and PSYC432.

SOCI434 **$ (3)**
Research Methods IV: Advanced Statistical Analysis & 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. Prerequisites: BHSC230 or STAT285 and PSYC/SOCI432.

SOCI440 **♦ (3)**
Sociology of the Family
This course focuses on theoretical understandings of family relationships in diverse settings and the various contexts that shape and sustain such relationships.

SOCI445 **♦ (2)**
Emergency Planning
Principles of emergency planning used in any type of disaster. Includes working with volunteers, handling special events, evacuation, mass fatalities, planning for schools, and homeland security planning. Includes satisfactory completion of FEMA-provided modules in Professional Development Series. Prerequisite: SOCI408 or 508; SOWK408.

SOCI449 **♦ (2)**
Disaster Response and Emergency Operations
Study of the phases of disaster response and recovery with attention to local, state and national roles and expectations. Models of emergency management operations including communication, coordination, and chief executive decision making under conditions of disaster response will be emphasized. Attention will be given to the problems and concerns of recovery of victims and communities and the implications of disaster recovery efforts. Prerequisites: BSAD426/526; Evidence of Satisfactory completion of PDS modules, IS244 Developing and Managing Volunteers, and IS700 National Incident Management System.

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.

SOCI478 **♦ (3)**
Principles and Practice of Hazards Mitigation
Study of preparedness as related to hazards in the local community with attention to means of mitigation as well as planning measures. Includes IS modules IS 271 Anticipating Hazardous Weather & Community Risk and IS 240 Hazardous Materials Prevention. Prerequisites: BIOL208 and evidence of satisfactory completion of SOCI/SOWK408.

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/GU course. The structure and development of the modern urban community with emphasis on ecological and demographic features of urban life. Normally offered even years.

SOCI490 **S ♦ (1–3)**
Capstone in Emergency Preparedness (Practicum)
Experience in Disaster Preparedness exercises. Individually planned with the student by the instructor in consultation with local campus and community Emergency Coordinators. Briefing and reflections with the instructor will be expected of students enrolled in this course. Permission of instructor required. May be repeated to 3 cr. Prerequisites: SOCI/SOWK408 or equivalent and one other core course in Emergency Preparedness.

SOCI495 **(1–3)**
Independent Study/Readings 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.

SOCI498 **(1–3)**
Research Project in Sociology
An independent research project in sociology typically supervised by a faculty member and resulting in a technical report summarizing findings or a submission to a professional conference. Students may repeat or take any combination of departmental independent study or research project courses up to 6 credits with no more than 3 credits per semester. Consult staff before registering.

SOCI508 **$ (2)**
Emergency Preparedness
Provides an introduction to basic philosophy and concepts of Emergency Preparedness as required by FEMA (Federal Emergency Management Agency) and most states which certify staff. Includes use of FEMA-provided modules in the Professional Development Series which are accepted prerequisites for advanced classroom courses. A passing grade is required on each module for satisfactory grade and receipt of a Professional Development Series Certificate of Completion.

SOCI514 **(2–3)**
Migrant & Refugee Issues
This course will study fundamental theories and concepts regarding voluntary migration (migrant issues) and forced migration (refugee issues). It will also address the main political, social, economic and environmental push and pull factors that influence immigration and emigration within the framework of globalization.

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 living 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 **(1–2)**
Needs Assessment, Capacity Mapping & Program Planning
An overview of various methods of assessing community needs, mapping community capacity, and program development. Includes damage assessment for emergency situations.

SOCI532 **$ (2)**
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. Lab schedule will be arranged. Prerequisite or Corequisite: BHSC230 or STAT285.

SOCI533 **$ (2)**
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. Lab schedule will be arranged. Corequisite: SOCI534. Prerequisites: BHSC230 or STAT285 and SOCI532.

SOCI534 **$ (2)**
Research Methods IV: Advanced Statistical Analysis & 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: SOCI533. Prerequisites: BHSC230 or STAT285 and SOCI532.

SOCI535 **(1–2)**
Budgeting, Fund Raising & Grantsmanship
Building on needs assessment, capacity mapping and program planning, the related topics of budgeting, fund raising 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 **(2)**
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.

SOCI575 **(1–5)**
Topics in Sociology
Repeatable with different topics. This topic course could be used to register for a study tour.

SOCI631 **(.5–1)**
Professional Development Seminar
An overview of salient issues and problems related to the topic; an orientation to communities of researchers and professionals working on the topic; an inventory of baseline competencies of persons professing expertise on the topic; and a survey of the opportunities for professional involvement related to the concentration. To be taken during the first two semesters a student is in the program. Repeatable.

SOCI632 **(1)**
Portfolio Development Seminar
Facilitates MS closure prior to graduation. Students prepare and defend their portfolios. Each student reviews and documents his/her learning and personal goal attainment. Exploration of issues related to career development and life-long learning. To be taken during a student's final year in the program. Pre/Corequisite: PSYC640. *Spring*

SOCI638 **(1–2)**
Organizational & Community Leadership
Focus on leadership theories and strategies. Students develop the capacity to apply these theories and strategies adaptively in leadership situations within organizational and community context. Students explore how leadership styles, communication, planning, organizing, decision making, and marketing impact organizational and community change.

SOCI640 **(2)**
Ethics in Development
An ethical framework for the understanding of social transformation. Ethical paradigms are explored, as well as historical examples of how development interventions have generated social change. Focus on contemporary approaches to development, revolution and liberation.

SOCI650 **$ (0)**
Project Continuation
Student may register for this title while clearing deferred grade (DG) and/or incomplete (I) courses with advisor approvals only. Registration for this title indicates full-time status.

SOCI655 **$ (0)**
Program Continuation
Students may register for this non-credit continuation course to maintain active status. For additional information on active status, please refer to p. 49 in the bulletin. Registration does not indicate full-time status.

SOCI660 **$ (0)**
Thesis Continuation
Student may register for this title while clearing deferred grade (DG) and/or incomplete (I) courses with advisor approvals only. Registration for this title indicates full-time status.

SOCI665 **$ (0)**
Preparation for Comprehensive Exams
Advisor approval required. Registration for this title indicates full-time status.

SOCI670 **(0)**
Comprehensive Exam

SOCI677 **(0)**
Colloquium
The course provides a forum for development and peer review of research projects by CIDP graduate students. The course is to be taken each semester the student is enrolled in the Community & International Development program. Repeatable. S/U grade.

SOCI680 **(1–2)**
Field Practicum
Students integrate course content and theory into practice during a 300-hour field practicum coordinated with each student's research project and/or concentration that is the concluding requirement for the concentration. 260 hours may be done with the student's primary employer, but all students must complete one week (40 hours) in an external organization. Students must submit a practicum proposal indicating approval from a sponsoring organization and learning objectives. Upon completion, the student submits a practicum portfolio. Prerequisite: 2 courses in concentration.

SOCI689 **(1–3)**
Seminar

SOCI690 **(1–3)**
Independent Study

SOCI698 **(2–3)**
Research Project
A research project is carried out by a master's degree candidate in which the student's mastery of the research process is demonstrated. A typical end product might be a community assessment study, a program evaluation study, a best practice benchmarking study, or a problem-solving study. Registration for this title indicates full-time status.

SOCI699 **(4)**
Master's Thesis

BIOLOGY

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Faculty
David A. Steen, *Chair*
Gordon J. Atkins
Bill Chobotar
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James L. Hayward
David N. Mbungu
Marlene N. Murray-Nseula
Robert E. Zdor

Emeriti
John F. Stout
Dennis W. Woodland

Academic Programs	Credits
BS: Biology	
Emphasis Areas	
Behavior/Mathematics	67
Biomedical	38–39
Botany	43
Molecular Biology	37–38
Neurobiology	39
Neuroscience	67–69
Secondary Education	42
Special	43
Zoology	43
Minor in Biology	22
Minor in Environmental Sciences	28
MS: Biology	30
MAT: Biology	

Mission

The Department of Biology provides transformational education in the biological sciences for a diverse student population, set in the context of a Seventh-day Adventist Christian worldview. To achieve this mission we:

- Seek knowledge and develop skills for lifelong learning through rigorous research, teaching and learning in the biological sciences;
- Affirm faith, engender integrity and honor the Creator through personal mentoring, intentional study of life as God's creation, and the ethical practice of science; and
- Change the world by active service, promoting responsible living as stewards of creation, and preparing students for meaningful careers in church and society.

Each degree offered by the Department of Biology 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 your academic advisor.