(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. 51 in the bulletin. Registration does not indicate full-time status.

SOCI660 **$ (0)**
Thesis Continuation
Student my 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)**
Colloquim

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.

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

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

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Gordon Atkins, Advisor, Biology
Herbert Helm, Advisor, Psychology
Shandelle Henson, Advisor, Mathematics
David Mbungu, Advisor, Biology
Duane McBride, Advisor, Behavioral Science
James Hayward, Biology
Derrick Proctor, Psychology
David Steen, Biology

Academic Programs	Credits
BS: Biology	
Neuroscience emphasis	64–66
Behavior/Mathematics emphasis	66–68
BS: Psychology	
Behavioral Neuroscience emphasis	67

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/BIOL450

BS: Biology

Neuroscience Emphasis—26
BIOL371, 372, 449, 495 (2 cr), ZOOL468, 484, three upper division electives from Biology, Psychology or BCHM422

Behavior/Mathematics Emphasis—28
BIOL371, 372, 449, 495 (2 cr), ZOOL484, MATH141, 142, 426, STAT340

BS: Psychology

Behavioral Neuroscience—24 + 3 Gen. Ed.
General Education—PSYC101
PSYC433, 434, 460, 465, four upper division electives from Biology, Mathematics or Psychology

BIOLOGY

Price Hall, Room 216
269-471-3243
biology@andrews.edu
www.andrews.edu/biology/

Faculty
David A. Steen, *Chair*
Gordon J. Atkins
Bill Chobotar
H. Thomas Goodwin
James L. Hayward
David N. Mbungu
Marlene N. Murray
John F. Stout
Dennis W. Woodland
Robert E. Zdor

Academic Programs	Credits
BS: Biology	
Behavior/Mathematics	67
Biomedical	37–38
Botany	42
Molecular Biology	36–37
Neurobiology	38
Neuroscience	67
Special	42
Zoology	42
Minor in Biology	22
Minor in Environmental Sciences	28
MS: Biology	30
MAT: Biology	

Mission

The program in Biology is centered in the study of life within the context of a Seventh-day Adventist Christian worldview. Perception of the Creator through His creation, the ethical use of individual gifts in caring for creation and personal balance through self-understanding are encouraged.

Accordingly, students in Biology are challenged through thoughtful, inquisitive study:

- to understand life's basic processes through scholarship and research,
- to understand their place in the scheme of creation,
- to grow in analytical and creative abilities,
- to prepare for skilled, productive service in biological, medical and related disciplines, and
- to find through Spirit-centered study and service, greater personal integrity and a strengthened faith commitment.

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 the Biology Department.