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, *Director*
Karl Bailey, *Program Coordinator*, Psychology
Gordon Atkins, Advisor, Biology
Herbert Helm, Advisor, Psychology
Shandelle Henson, Advisor, Mathematics
David Mbungu, Advisor, Biology
Duane McBride, Advisor, Behavioral Science
John Berecz, 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

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
http://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	

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

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

Undergraduate Programs

BS: Biology

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

Biology Core—24
BIOL165, 166, 348, 371, 372, 449, 451, 452.

Cognate Core—24 or 26
CHEM131, 132, 231, 232, 241, 242; PHYS141 & 142 or 241/271 & 242/272

General Education Cognates
RELT340, PSYC101. Students taking the Honors Core do not need RELT340.

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