

# BEHAVIORAL NEUROSCIENCE

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## 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 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/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