

# 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  
 James Hayward, Biology  
 Derrick Proctor, Psychology  
 David Steen, Biology

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

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