

Respiratory Care, 11030 Ables Lane, Dallas, TX 75229 (phone 972-243-2272 and ask for the Education Department) or explore the web at: [www.aarc.org/patient\\_resources/schools.html](http://www.aarc.org/patient_resources/schools.html).

**Loma Linda University:** Interested students may complete the prerequisites for Loma Linda University's Respiratory Care Education Program while attending Andrews University. Check with the above listed coordinator for the required course work. The Pre-LLU/RC student may then apply and transfer to LLU through its selective admissions process as a second-year student in their program.

## BEHAVIORAL NEUROSCIENCE

Price Hall, Room 216, Buller Hall, Room 211  
269-471-3243, 269-471-3152  
[kgbailey@andrews.edu](mailto:kgbailey@andrews.edu)  
[biology@andrews.edu](mailto:biology@andrews.edu), [bhsc@andrews.edu](mailto:bhsc@andrews.edu)

### Faculty

Karl Bailey, *Director*, Psychology  
Gordon Atkins, Advisor, Biology  
Harvey Burnett, Psychology  
Tom Goodwin, Biology  
James Hayward, Biology  
Herbert Helm, Advisor, Psychology  
Shandelle Henson, Advisor, Mathematics  
David Mbungu, Advisor, Biology  
Duane McBride, Advisor, Behavioral Sciences  
Robert Moore, Mathematics  
Melissa Ponce-Rodas, Advisor, Psychology

Academic Programs	Credits
BS: Biology	
Neuroscience emphasis	67–69
Behavior/Mathematics emphasis	69–72
BS: Psychology	
Behavioral Neuroscience emphasis	68–70

### Mission

As a program at a Seventh-day Adventist University, the behavioral neuroscience program aims to help students integrate their study of the mind and brain into their faith development and Christian walk by encouraging the careful study of, and faithful response to, their area of study and scholarship as both Christians and developing scholars.

Behavioral Neuroscience is an interdisciplinary program at Andrews University that is based in the Departments of Behavioral Sciences, Biology and Mathematics. Its purpose is to provide 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. In addition to helping students learn basic information about neurobiology, cognitive neuroscience, behavioral neuroscience, and mathematical modeling, the Behavioral Neuroscience program involves students in hands-on, laboratory experiences, using research-quality equipment, and prepares students to not only learn from their field of study but to actively contribute to that field as well. Indeed, research with a faculty mentor is an integral part of the program, with the goal of student presentation and publication of research in professional venues. The interdisciplinary nature of Behavioral Neuroscience is reflected in a common core of classes taken by all students, whether they are majoring in Psychology, Biology or Mathematics, and in the flexibility afforded by each of the three emphases within the program for interdisciplinary study and original research.

As an interdisciplinary program that exists across three departments, the Behavioral Sciences Program also aims to develop and reflect a spirit of collaboration and integration on the campus, as exemplified in the interdisciplinary interests and work of faculty and students.

## Undergraduate Programs

### Behavioral Neuroscience Core—41–43

PSYC180; BIOL165, 166; ZOOL475; CHEM131, 132, CHEM231, 232, 241, 242 **or** PHYS141, 142 **or** PHYS241, 242, 271, 272; PSYC364; PSYC445; PSYC449/BIOL450

### BS: Biology

#### Neuroscience Emphasis—26

Research Methods: BIOL251, 252, 453  
 Research Project: BIOL495 (2 cr)  
 BIOL371, 372, 449, ZOOL468, 484, two upper division electives from Biology, Psychology or BCHM422  
 (BCHM421 is a prerequisite for BCHM422)

#### Behavior/Mathematics Emphasis—28

Mathematical Methods: STAT340 or MATH286, MATH426  
 Research Project: BIOL495 (2 cr)  
 MATH191 or 195, 192, BIOL371, 372, 449, ZOOL484

### BS: Psychology

#### Behavioral Neuroscience—27

Research Methods: PSYC432, 433, 434  
 Research Project: PSYC438 (1 cr), 498 (2 cr)  
 PSYC101, 460, 465, two upper division electives from biology, mathematics or psychology  
 Cognate: BHSC230

### General Education

Completing the Behavioral Neuroscience core meets general education requirements for Interdisciplinary Social Science and both Physical and Life Sciences. Completing the Psychology/BNS major meets the general education requirement for Foundational Social Science.

## BEHAVIORAL SCIENCES

Buller Hall, Room 211  
 269-471-3152, FAX: 269-471-3108  
[bhsc-info@andrews.edu](mailto:bhsc-info@andrews.edu)  
[www.andrews.edu/bhsc/](http://www.andrews.edu/bhsc/)

### Faculty

Duane C. McBride, *Chair*  
 Karl G. Bailey  
 Harvey J. Burnett  
 Dawn Dulhunty, *Director of off-campus International Development Program (IDP)*  
 Herbert W. Helm  
 Øystein S. LaBianca  
 Lionel N. A. Matthews  
 Melissa Ponce-Rodas  
 Joel Raveloharimisy, *Director of on-campus Community and International Development Program (CIDP)*  
 Larry S. Ulery

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	40–41
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
Master of Science in Community and International Development (MSCID)	
Regular Standing, Two-Year Program	39–43
Advanced Standing, One-Year Program	30–35
Master of International Development Administration (MIDA)	39–40

### 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