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COLLEGE OF ARTS & SCIENCES

Keith E. Mattingly, Dean
Donald L. May, Associate Dean
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Nethery Hall, Room

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Mission

To empower students for academic, professional and service excellence in the liberal arts and sciences with distinctive Seventh-day Adventist perspective and purpose.

Pre-Professional Programs

Although essentially a liberal arts college, the College of Arts & Sciences offers certain pre-professional curricula for students who plan to enter professional schools. For medical and paramedical curricula, Andrews University maintains a special relationship with Loma Linda University. See p. for additional pre-professional programs.

Dental Assistant Degree

James Hayward, Coordinator
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Price Hall (Science Complex)

Students interested in a dental assistant career should obtain information concerning the program from the school to which they wish to apply.

Students planning a career in dental hygiene should complete two years of college work before entering a professional school.

Upon completion of an additional two years of prescribed college work at a professional school, the student will earn a Bachelors degree in dental hygiene. For more information about dental hygiene, contact the American Dental Hygienists' Association: www.adha.org.

The following courses are recommended for the first two years before entering Loma Linda University. Students interested in applying to other professional schools should obtain specific entrance requirements for those schools.

Pre-dental Hygiene Curriculum
Cultural and Spiritual Heritage— (must include areas)

The web site for the Law School Admission Council www.lsac.org provides a great deal of helpful information and is a good resource for students who are interested in preparing for, and getting into, law school.

Medicine

H. Thomas Goodwin: - -
 Marcia A. Kilsby: - -
 David N. Mbungu: - -
 Marlene N. Murray: - -
 D. David Nowack: - -
 Rob Zdor: - -
 Science Complex

Although allopathic (MD) and osteopathic (DO) medicine represent different philosophies of patient care, a physician in either branch of medicine is required to pass the same national board examination to practice.

Students seeking admission to medical schools are encouraged to plan a baccalaureate degree that includes courses which meet the stated entrance requirements of the medical school of their choice as listed in Medical School Admissions Requirements or the websites of the Association of American Medical Colleges: www.aamc.org and the American Association of Colleges of Osteopathic Medicine: www.aacom.org. The pre-medical student may choose any major or minor and is encouraged to become acquainted with the main bodies of knowledge as represented by the various academic disciplines.

Required Courses for Applicants to Loma Linda University School of Medicine

English Composition—
 Foundations of Biology—
 General Chemistry—
 General Physics—
 Organic Chemistry—
 Religion—

Students should maintain an A/B average in science as well as overall.

Occupational Therapy

Bill Chobotar, Coordinator

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 Price Hall (Science Complex)

The occupational therapist helps people cope with psychological or physiological dysfunction.

Prerequisites for Loma Linda University Admission

To be eligible for admission, the applicant must have completed a minimum of quarter units (semester units) at an accredited college or university. The following prerequisites are required and must be completed successfully with a grade of C or better. Upon successful completion of didactic and fieldwork requirements, students will graduate from LLU with a bachelor's degree in health science and a master's in occupational therapy. Students are then eligible to take the NBCOT's National OT board exam.

Prerequisites: Domain : Spiritual and Cultural Heritage

Religious studies, quarter units per year of full-time study.
 (Applies only to students attending Seventh-day Adventist colleges.)

Minimum quarter units, or semester units. Choose from three subject areas: fine arts, history, civilization, literature, modern language, or philosophy. English as a second language may not be included. A maximum of quarter units will be accepted in applied or performing art/music.

Prerequisites: Domain : Scientific Inquiry and Analysis:

Natural Sciences

Human Anatomy with lab

Human Physiology with lab: semesters or quarters of A&P are required.

Select one additional science course from chemistry, physics or physical science.

Mathematics: Two years of HS mathematics or equivalent.

Accepted courses include algebra I&II, geometry, with grades of C or better. (These credits do not transfer although they meet the math requirement.)

Completed Need Social Sciences:

Sociology

General Psychology

Human Growth & Development. (Other acceptable equivalents are Developmental Psychology, Life Cycle, or Child Psychology and Adolescent Psychology.)

Prerequisites: Domain : Communication (– quarter units, or – semester units)

Freshman English Composition, complete sequence, as required by the college you attended or are currently attending.

Note: If you test out of any Freshman English courses, you are still required to meet the minimum number of units for this Domain.

Speech, public speaking

Domain :

Health education (personal health or nutrition)

Two physical activities courses

Electives

Minimum requirement for entry is quarter units, or semester units.

Computer knowledge in the following areas is required: creating college level papers and assignments, Internet-based research, e-mail usage, PowerPoint presentations, online learning components.

Observation/Volunteer Service

hours of observation in occupational therapy settings.

Documentation of community service performed is permissible as partial fulfillment of this requirement. Documentation of observation and/or community service must be submitted prior to admission consideration.

CPR—infant, child and adult. BLS health care provider.

We only accept CPR from American Heart Association. This certification is not needed for the admissions process, but will be required upon acceptance to the program.

A minimum grade of C is required for transfer credit. C- and D grades are not transferable.

ANDREWS UNIVERSITY

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James L. Hayward Coordinator

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As a general rule, a minimum of two years of college work is required by optometry school. However, most students entering optometry schools have completed three or four years of college. The following courses with minor variations meet the entrance requirements of most optometry schools. For more information, contact the American Optometric Association: www.aoanet.org and the Association of Schools and Colleges of Optometry: www.opted.org.

Pre-optometry Suggested Courses

- English Composition, Writing Seminars—
- Foundations of Biology—
- General Chemistry—
- General Physics—
- Introduction to Psychology—
- Mathematics—
- Microbiology or Bacteriology—
- Organic Chemistry—
- Physical Education—
- Religion—
- Social Sciences—
- Statistics—

Pharmac

D. David Nowack, Coordinator

Address: 200210-5151 (or

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Respiratory Care, Ables Lane, Dallas, TX (phone - - and ask for the Education Department) or explore the web at: 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

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biology@andrews.edu, 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	–
Behavior/Mathematics emphasis	–
BS: Psychology	
Behavioral Neuroscience emphasis	–

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 Neurosciences 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.