

TITLE PAGE

**College of Arts
and Sciences**

COLLEGE OF ARTS AND SCIENCES

William E. Richardson, *Dean*
Donald L. May, *Assistant Dean*
Alice C. Williams, *Assistant Dean for Graduate Programs*

Nethery Hall, Room 101
(616) 471-3411
FAX: (616) 471-6236
cas-info@andrews.edu
<http://www.andrews.edu/CAS/>

PRE-PROFESSIONAL PROGRAMS

Although essentially a liberal arts college, the College of Arts and 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.

CHIROPRACTIC

Robert A. Wilkins, Coordinator
(616) 471-6288
Halenz Hall (Science Complex)

Entrance requirements for colleges of chiropractic vary. Students are advised to consult the admissions adviser at the chiropractic school to familiarize themselves with the requirements of the school of their choice. The admission requirements of chiropractic schools range from 60 credits to a baccalaureate degree and a minimum GPA of 2.50. For a list of the various schools contact the chiropractic coordinator. For information about the profession and publications check out the website at <http://www.amerchiro.org>.

The courses listed below and 90 credits satisfy the requirements for Palmer College of Chiropractic.

Pre-chiropractic Curriculum

Biology (111, 112; 113 recommended)—7; 8
General Chemistry—8
Organic Chemistry—8
General Physics—8
Communication Skills—3
English Composition—6
Introduction to Psychology—3
Social Sciences/Humanities—15

CYTOTECHNOLOGY

Marcia Kilsby, Coordinator
(616) 471-6294
Halenz Hall (Science Complex)

Cytotechnology is a specialty within a broad field of clinical laboratory science. Cytotechnologists aid in the early detection of disease by differentiating normal, atypical, and malignant cells. In recognizing microscopic abnormalities of cells and cellular patterns from the various body sites, the cytotechnologist assists the pathologist in detecting cancer at its earliest and potentially most curable stage. Medical applications of cytologic

techniques are constantly expanding, particularly in the diagnosis and management of the cancer patient.

Students pursuing a career in cytotechnology should complete the first two or three years (according to their selection of school for technical education) and then complete the professional courses offered at Loma Linda University or another school. For more information: <http://www.ascp.org>.

DENTAL ASSISTANT AND DENTAL HYGIENE

James Hayward, Coordinator
(616) 471-3241
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.

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—14

Cultural—8

History/civilization, literature, fine arts, theory, foreign language, philosophy, ethics.

Religion—6

Required only of students applying from Adventist or other religious colleges/universities.

Scientific Inquiry and Analysis—23

Physical/Natural Sciences—15

*Chemistry—one academic year covering inorganic, organic, and biochemistry; *human anatomy and human physiology—two separate or sequential courses; *microbiology)

Social Science—8

*Introduction to sociology with remaining credits in anthropology, economics, geography, political science, psychology

Communication—9

*Freshman English, one complete sequence for BS degree; *speech/interpersonal communication/persuasion)

Health and Wellness—3

Health (personal health or nutrition)

Physical education (2 activity courses)

*required courses

DENTISTRY

James Hayward, Coordinator
(616) 471-3241
Price Hall (Science Complex)

Preference is given to applicants who have a broad academic background with a baccalaureate degree. The minimum entrance requirement is 96 quarter credits with a 2.70 GPA (C= 2.00) in both science and non-science courses, although it is recommended that students should maintain an A/B average in science as well as overall. The Dental Aptitude Test (DAT) must be taken not later than October of the year preceding admission. Minimum entrance requirements for most dental schools follow. For more

information, contact the American Association of Dental Schools (<http://www.aads.jhu.edu>) and the American Dental Association (<http://www.ada.org>).

Required courses for applicants to Loma Linda University:

English Composition—6
Foundations of Biology—10
General Chemistry—8
Organic Chemistry—8
General Physics—8

Recommended: human anatomy, general physics, biochemistry, histology, computer science, systems physiology, management and organization, fundamentals of accounting, a survey of calculus, machine shop, and religion.

Total pre-dental credits—96

HEALTH INFORMATION MANAGEMENT

Medical Records Administration

Marcia A. Kilsby, Coordinator
(616) 471-6294
Halenz Hall (Science Complex)

Health information management includes the development of information systems to provide optimal user access to medical records and other vital patient data. The health information specialist also manages or consults in maintenance of quality and legal standards for data used in administrative planning, research, patient care evaluation, and financial reimbursement. For more information: <http://www.ahima.org>.

LAW

Jane Sabes, Coordinator
(616) 471-3293, sabesja@andrews.edu
Nethery Hall, 122-C

Law schools prescribe no special college program. Therefore, pre-law students may select from a variety of majors and minors without adversely affecting admission to law school. The prospective lawyer's education should be as broad as possible, including the development of writing and reading skills, logical thinking, and understanding of legal, political, social and economic issues and institutions. Because competition for admission to a reputable law school is intense, it is important to maintain a high level of academic achievement.

Pre-law students might consider an interdisciplinary degree with political science as the core in combination with fields such as communication, economics, or international languages. Such a program will also prepare the student to pursue an alternative career if plans should change.

Students pursuing pre-law school should consult the pre-law advisor at least once a year, preferably at fall registration. A pre-law club provides additional resources for the student.

The booklet *Law Schools and Bard Admission Requirements* provides detailed information concerning a desirable academic background for

MEDICINE

Bill Chobotar: (616) 471-3262

Marcia A. Kilsby: (616) 471-6294

RESPIRATORY CARE

C. William Habenicht, Coordinator
(616) 471-6551

Physical Therapy Building

Andrews University offers prerequisite course work to prepare students who wish to enter a 2-year Associate of Science degree program or a 4-year Bachelor of Science degree program in Respiratory Care. Admission requirements vary among professional respiratory care programs. Not all professional programs accept transfer credits. Therefore, as soon as possible, interested students should contact the programs of choice for the most current prerequisite requirements. A list of accredited respiratory care programs may be obtained from the American Association for Respiratory Care, 11030 Ables Lane, Dallas, TX 75229 (phone 972-243-2272 and ask for the Education Department) or explore the web at 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.

ALLIED HEALTH

Halenz Hall, Room 326
(616) 471-3336
cls@andrews.edu
<http://www.andrews.edu/ALHE>

Faculty

Marcia A. Kilsby, *Chair, CLS Program Director*
Albert W. McMullen
Richard D. Show, *Graduate Program Coordinator*
Clifford Sutherland

Academic Programs	Credits
BS in Clinical Laboratory Science	127
BS in Allied Health Administration	65
MSCLS (Clinical Laboratory Science)	32
Biomedical	
Business	
Computer Information Science	
Education	

The Department of Allied Health prepares students who are committed to preserving and protecting the dignity of life and death. They promote values and attitudes consistent with the Seventh-day Adventist Christian lifestyle. They strive to instill in students a life-long personal quest for individual growth and fulfillment and for continual excellence in health-care practice.

Clinical Laboratory Science (Medical Technology)

The degree program includes 3 years of undergraduate (pre-clinical) studies plus one year (3 semesters) of clinical (professional) education.

Pre-clinical Program. The first 3 years of undergraduate study include General Education, cognate science, and pre-clinical degree requirements. Program options feature directed elective course work selected in consultation with the faculty adviser according to the student's career goals and interests.

Clinical (Professional) Program. The year of clinical studies is comprised of lectures and student laboratories on the Berrien Springs campus and a clinical practicum at an affiliated hospital or clinical laboratory site.

Clinical Experience (Practicums). Students work side-by-side with practicing professionals in patient health care during the final portion of the clinical year. Andrews University maintains a number of affiliations with clinical institutions across the country. Student preferences for clinical site assignments are solicited and granted when possible. Final site assignments are made at the discretion of the faculty.

Clinical Year Admission Requirements. An independent admissions process is required for university students who wish to enter clinical studies. Application forms may be obtained from the Department of Allied Health office. Students should complete these applications and return

them to the departmental office by February 15th prior to their anticipated clinical-study year.

Admission requires an overall GPA of 2.50. In the admissions process, the GPAs for the cognate science courses and clinical laboratory science content courses are computed together. This combined GPA must be a minimum of 2.50. Should applications exceed class capacity, preference is given to students with the higher GPAs.

Applicants must be able to meet the program's published *Essential Functions*, copies of which are incorporated into the application packet, and express a willingness to comply with the principles, rules, regulations, and policies of both the university and the program as they relate to the ideals and values of the Seventh-day Adventist Church and the clinical laboratory science profession.

All prerequisite course work, including General Education, cognate science, and pre-clinical courses, must be completed prior to entry into the clinical year. A personal interview may be required at the discretion of the Admissions Committee.

In exceptional circumstances, the Admissions Committee may accept students outside the stated policy.

Student Progression in Clinical Year. The clinical year is highly structured and sequential. Enrolled students may not drop a class, audit a class, or earn a grade lower than C- in any class. Students may enter clinical practica only upon