



BIOLOGICAL & CHEMICAL SCIENCES



LEARN TO *Live*

ACHIEVE A REWARDING CAREER IN HELPING OTHERS

GRADUATE SCHOOL AGREEMENTS

Health Science Programs

Lake Erie College of Medicine (3+4/4+4)
(Early Assurance Program)

- Osteopathic Medicine | Dentistry | Pharmacy

Liberty University College of Medicine (4+4)

- Osteopathic Medicine

University at Buffalo (3+4)

- Pharmacy

Roberts Wesleyan University

- Doctorate of Occupational Therapy (Early Acceptance)

Medical Technology (3+1)

- Rochester General Hospital
- UPMC Chautauqua
- NY Methodist Hospital

Engineering Programs (3+2)

Chemical, Biomedical, and Environmental

- Rochester Institute of Technology
- Clarkson University
- Rensselaer Polytechnic Institute

ACADEMIC & OUTREACH OPPORTUNITIES

- Research with faculty
- Experience with state-of-the-art instrumentation
- Au Sable Environmental/Sustainability Courses
 - Great Lakes, Pacific Rim, Costa Rica, India
- Semester Abroad programs
- Global Honors Program (Freshman & Sophomore Years)
- Faith and Science Luncheons
- Adopt-a-School/Math & Science Club
- Mission Trips

91%

of graduates
are
employed in
their field

Hands-On

experiences
with
advanced
equipment

70%

of students
complete an
internship

PRE-HEALTH PROGRAMS

Pre-Dentistry, Pre-Medicine, Pre-Occupational Therapy, Pre-Optometry, Pre-Pharmacy, Pre-Physical Therapy, Pre-Physician Assistant, Pre-Veterinary Medicine



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AVAILABLE MAJORS



ROBERTS
WESLEYAN UNIVERSITY

ADOLESCENCE EDUCATION, B.S. (BIO & CHM)

Specialized Courses: 30 hours in Chemistry or Biology, 8 hours in Mathematics, 8 hours in Physics, Pedagogy workshop, Learning and Development in Early Adolescence, Diagnostic and Prescriptive Teaching, Secondary Content Methods, Student Teaching Experience

BIOLOGY, B.A./B.S.

Specialized Courses: Microbiology, Comparative Anatomy, Physiology, Immunology, Cell Biology, Virology, Biology Seminar, Au Sable, Research/Internship Experience

BIOCHEMISTRY, B.S.

Specialized Courses: Biochemistry, Molecular Biology, Cell Biology, Genetics, Bioinformatics, Chemistry Seminar, Research/Internship Experience

BIOMEDICAL SCIENCES, B.S.

Specialized Courses: Genetics, Physiology, Biochemistry, Microbiology, Gross Anatomy & Pathology, Biology Seminar, Mechanisms of Disease, Research/Internship Experience

CHEMISTRY, B.A./B.S.

Specialized Courses: Analytical, Instrumental Analysis, Thermodynamics, Quantum Mechanics, Advanced Inorganic, Au Sable, Medicinal Chemistry, Chemistry Seminar, Research/Internship Experience

FORENSIC SCIENCE, B.S.

Specialized Courses: Introduction to Forensic Science, Analytical, Biochemistry, Instrumental Analysis, Criminal Procedure, Criminal Law & Processing, Criminal Investigations, Intro to Cybercrime Investigation, Research/Internship Experience

EXERCISE SCIENCE, B.S.

Specialized Courses: Exercise Physiology, Exercise Testing, Athletic Injury Prevention, Biomechanics, Analysis of Human Motion, Principles of Sports Management, Research/Internship Experience

MEDICAL TECHNOLOGY, B.S.

Specialized Courses: Immunology, Microbiology, Genetics, Cell Biology, Biochemistry, Biology Seminar. Clinical Internship at an affiliated hospital

NEUROSCIENCE, B.S.

Specialized Courses: Neuroscience Foundations, Biological Basis of Perception and Movement, Cognitive Neuroscience, and Clinical Neuropathy

STUDENT SPOTLIGHT



"I am a biochemistry major and will be applying to dental school this summer. For the time being, I have accepted an accounting manager position. Without a doubt, the thing that I loved most about Roberts was the professors working in the Biochemistry department. I always tell people that 'a passionate professor will always make you want more.'"

— **Joshua Anderson '24 (Biochemistry)**