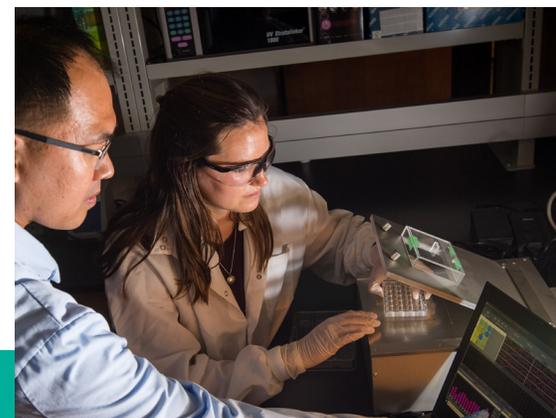


# Pre-Medical



## Westmont's Pre-Medical Program Prepares You for Medical School

To prepare for a career as a doctor, follow Westmont's pre-medical track and complete a major such as biology, chemistry or kinesiology. Choose the subject you most enjoy, as medical schools express no preference regarding majors. Your professors will guide you through the process of completing the appropriate prerequisites, maintaining a high GPA, taking the Medical College Admission Test (MCAT), participating in appropriate extracurricular activities, forming an evaluation committee and completing applications. You'll find many resources available at Westmont, including pre-health advising, pre-health information sessions and workshops and the Pre-Health Club. Nearly all our pre-med students get accepted to medical school. From 2017 to 2019, 26 out of 28 applicants (93 percent) were admitted to at least one medical school.

## STANDARD PRE-MEDICAL COURSE REQUIREMENTS

See the courses generally required for admission to any medical school and the corresponding classes at Westmont that satisfy each requirement.

### GENERAL BIOLOGY (1 YEAR)

- BIO 5 with BIO 5L (1 semester)
- BIO 6 with BIO 6L (1 semester)

### GENERAL CHEMISTRY (1 YEAR)

- CHM 5 with CHM 5L *or* CHM 5H with CHM 5HL (1 semester)
- CHM 6 with CHM 6L *or* CHM 6H with CHM 6HL (1 semester)

### ORGANIC CHEMISTRY (1 YEAR)

- CHM 101 with CHM 101L (1 semester)
- CHM 102 with CHM 102L (1 semester)

### GENERAL PHYSICS (1 YEAR)

- PH 11 *or* PH 22 with PH 23 (1 semester)
- PH 13 with PH 14 *or* PH 23 with PH 24 (1 semester)

### BIOCHEMISTRY (1 SEMESTER)

- BIO *or* CHM 113 with BIO 113L *or* CHM 113L (1 semester)

### OTHER COMMON REQUIREMENTS

Many medical schools require additional prerequisites, such as one year of English (which usually includes literature and composition) and one year of mathematics (which usually includes calculus and statistics). Some allopathic and all osteopathic medical schools also require social and behavioral science classes. To prepare for MCAT sections on social and behavioral science, take courses in sociology (SOC 1) and psychology (PSY 1). Taking genetics (BIO 114) and physiology (BIO 102) will help you prepare for the MCAT and medical school.



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## FACULTY HIGHLIGHTS



DON PATTERSON, PH.D.

Don Patterson obtained a patent for a device evaluating infant movement in a NICU.



STEPHANIE COWELL, M.S.

Stephanie Cowell is an expert at orienting new students to experimental chemistry and advising them about pre-health opportunities.



YI-FAN LU, PH.D.

Yi-Fan Lu is a researcher who has contributed to Zika antiviral drug development and modeled neurological diseases.



TIMOTHY VAN HAITSMSA, PH.D.

Timothy Van Haitsma is a runner, rock climber, and hiker interested in how the mind influences exercise.



STEVE JULIO, PH.D.

Steve Julio's team's discovery and characterization of a genetic switch in the bacteria that causes whooping cough may lead to better therapies.



RONALD SEE, PH.D.

Ronald See examines the neurobiology of drug addiction and biomarkers of treatment for major depression.



MARYKE VAN DER WALT, PH.D.

Maryke van der Walt is a mathematician and musician who applies data science to diabetes.



KRISTI CANTRELL, PH.D.

Kristi Cantrell helps biochemists understand neurodegenerative diseases and students make wise choices about medical school. Her research focuses on protein aggregation.

## WESTMONT ALUMS HAVE GRADUATED FROM THESE LEADING MEDICAL SCHOOLS

Baylor University • Boston University • Columbia University • Cornell University  
Dartmouth University • Georgetown University • Harvard University • Johns Hopkins University  
Loma Linda University • Oregon Health and Sciences University • St. Louis University  
Stanford University • Texas A & M University • UC Irvine • UCLA • UC San Diego • UC San Francisco  
University of Southern California • University of Texas at Austin • Yale University

## ALUMNI WORKING AS PHYSICIANS

A specialist in the narrow field of radiation oncology, **David Bush '86** treats cancer patients as a physician and professor at Loma Linda University Medical Center in California. He contributes valuable research about proton radiation therapy.

**Laura Schamber Watters '06** graduated from the University of Colorado Denver School of Medicine and works in Sacramento for a large private obstetrics-gynecology practice that serves low-income people, including refugees.

**Elizabeth Simoneit '15** recently graduated from the University of South Florida Morsani College of Medicine. She spent a year teaching English in Querétaro, Mexico prior to beginning medical school. She is currently a family medicine resident at Ventura County Medical Center.

**Aaron Wilk '16**, a triple major in chemistry, biology and music at Westmont, is enrolled in an eight-year M.D./Ph.D. program at Stanford University that will prepare him for a career as a physician/scientist.



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[westmont.edu/pre-health](http://westmont.edu/pre-health)