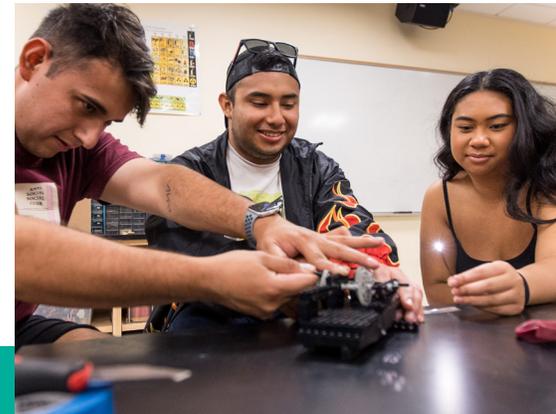


Engineering



Westmont Engineering has built its distinctive program on three pillars:

- » Excellence in technical training with small classes, hands-on learning, and professors engaged with students.
- » Integration of engineering design and innovation throughout the curriculum.
- » A solid Christian liberal arts foundation.

Students earn a degree in general engineering, which provides many possibilities for specialization, jobs and graduate school. We combine a Christian liberal arts core with a solid math and science foundation and in-depth content in critical technical areas. Christian professors with engineering expertise teach classes that average about 10 students. Our program promotes learning by doing and hands-on, design-oriented experiences that bring technical content to life.

SELECTED COURSES

- Engineering and the Liberal Arts
- Thermodynamics
- Materials Engineering
- Machine Design
- Engineering Seminar II: Faith, Technology, and Christian Responsibility
- 2 Engineering electives
- Junior & senior design courses

CAREER PATHS

- Design
- Energy
- Sustainability
- Environmental resources
- Robotics
- Automation
- Vehicle design
- Aeronautics
- Space
- Manufacturing
- Biomechanics

FACULTY HIGHLIGHTS



DANIEL D. JENSEN, PH.D.
DIRECTOR

Trains hundreds of engineering design teams in Design Innovation and has overseen the creation of dozens of patents.



ROBERT HARING-KAYE,
PH.D.

Teaches physics labs and studies atomic nuclei at the limits of spin and binding using gamma-ray spectroscopy.



ADAM GOODWORTH,
PH.D.

Crosses disciplines of engineering, biomechanics, and injury/rehabilitation with his teaching and research.



DOUGLAS FONTES, PH.D.

Investigates multiphase flows through numerical models with applications related to engine combustion, space rockets, and virus transmission.



WILL ALLISON, M.S.

A mechanical design engineer with extensive experience in CAD and prototyping

OPPORTUNITIES FOR ENGINEERING STUDENTS



- Ecuador outreach design projects for juniors
- Industry-supported design projects for senior majors
- Semester abroad opportunities in numerous locations
- Paid summer research opportunities with department faculty
- Paid summer internships in engineering industry

RESEARCH

Like all Westmont students, engineering majors will have the opportunity to conduct research with professors or pursue their own projects and ideas. This hands-on experience prepares them for engineering jobs and for graduate school.



WESTMONT

westmont.edu/engineering