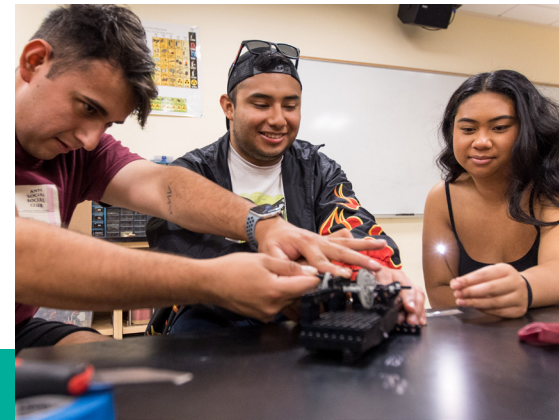
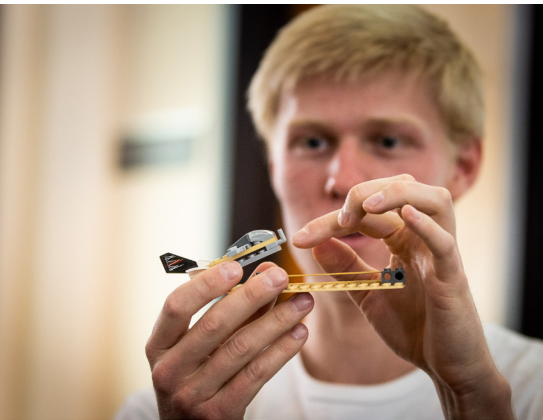


# Engineering



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 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](http://westmont.edu/engineering)