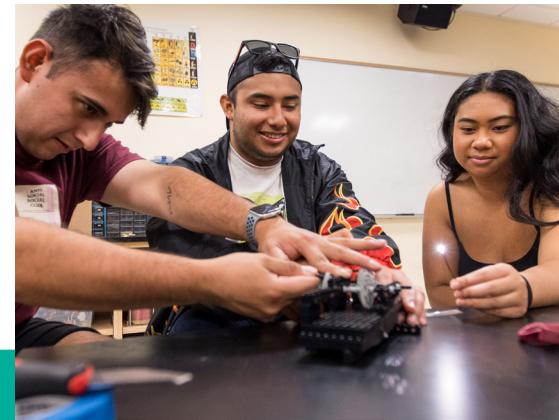


# Engineering



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.

This 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
- Internet of things (IoT)



**WESTMONT**

## FACULTY HIGHLIGHTS



DANIEL D. JENSEN, PH.D.  
DIRECTOR

Trains hundreds of 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, neuroscience, and rehabilitation within his teaching and research.



JOHAN ESTRADA, PH.D.

An expert in electromechanical devices, researches the areas of energy harvesting and Internet of Things (IoT).



DOUGLAS FONTES,  
PH.D.

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

## OPPORTUNITIES ABROAD



- Westmont in Asia
- Westmont's Europe Semester
- Westmont in San Francisco
- Westmont Downtown
- Westmont in Mexico
- Westmont in Northern Europe

## 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.



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