June 14–19, 2015
OR
June 21–26, 2015

University of Wisconsin-Platteville
Explore Engineering Summer Program
☐ June 14–19, 2015  OR  ☐ June 21–26, 2015

Student's name: (print) ____________________________________________
Mailing address: ___________________________________________________
City/State /Zip: ____________________________________________________
Home phone: _______________________________________________________

Grade (Fall '14 grade level): _____  Gender: Female _____ Male _____
Parent/Guardian's name: ____________________________________________
Parent/Guardian’s Mobile phone: ____________________________
Parent/Guardian’s Work phone: ____________________________
Parent/Guardian’s Email address: ________________________________
Emergency contact: ________________________________________________
Emergency contact/number: ____________________________

Check adult T-shirt size:  ____S  ____M  ____L  ____XL  ____XXL
☐ Resident $795  ☐ Commuter $570

Roommate preference: ______________________________________________

Mail form with payment to:
Continuing Education
UW-Platteville
1 University Plaza
Platteville WI 53818-3099

Payment Method:
☐ Check enclosed (payable to UW-Platteville)
☐ Mastercard  ☐ VISA  ☐ Discover  ☐ American Express

Cardholder's name: (print) __________________________________________
Cardholder's address: _____________________________________________
Phone: __________________________________________________________
Signature: _________________________________________________________
Exp. Date: _________________________________________________________
Card #: __________________________________________________________

Enrollment into this program does not guarantee future admission to
UW-Platteville

Who: 2014–15 high school sophomores, juniors, seniors, and incoming freshmen who have successfully completed Algebra I. A waiting list will be created once program reaches capacity. Applications are accepted starting now until June 1, 2015. Limited enrollment. Register early.

Where: University of Wisconsin-Platteville campus

When: Sunday, June 14–Friday, June 19; or Sunday, June 21–Friday, June 26. Registration begins at 3 p.m. Program concludes approximately at 3 p.m.

Cost: includes instruction by university faculty, Counseling Services, T-shirt, and instructional materials.

Commuter $570: Includes above, plus lunches Monday–Friday and one evening meal.

Residential $795: Includes above, plus breakfast, lunch and supper meal Sunday evening–Friday lunch and overnight accommodations and evening activities.

Partial scholarships may be available based upon academic excellence and financial need. Contact the general engineering department for more information.

No refunds after May 1, 2015. A cancellation refund fee of $50 will be charged.

Contact

Program Information/Content:
General Engineering Department
UW-Platteville
Phone: 608.342.1711
Email: masoom@uwplatt.edu

Registration Questions:
Continuing Education
UW-Platteville
1 University Plaza - Platteville WI 53818
Phone: 608.342.1314 or 888.281.9472
Email: continuing@uwplatt.edu

Application checklist
☐ Completed application form
☐ High school transcript with proof of successfully passing Algebra
☐ Health and consent form
☐ GE1030 registrar form
☐ Payment for $795 if residential student and $570 if commuter student

NOTE: Please advise us at least one week prior to the beginning of the program if you have a disability and require special accommodations. Requests are confidential. UW-Platteville provides equal opportunities in employment and programming, including Title IX requirements.

Earn UW-Platteville college credit!
www.uwplatt.edu/go/ExploreENG
Who should attend?

If you're interested in engineering but aren't sure what it is all about, or if you are not exactly sure what is the difference between one engineering discipline and another, this one-week summer program held on campus at UW-Platteville is for you. Students entering their sophomore, junior, or senior year in high school or entering college and have successfully completed Algebra I are eligible.

About the course

This engineering summer program is the same one-credit *Introduction to Engineering Projects* course required of all engineering students at the University of Wisconsin-Platteville. High school students who successfully complete this summer course will earn one college credit.

Students taking this course will receive hands-on experience in seven different engineering disciplines taught by university professors from these departments. This course, condensed for the summer, features the same curriculum and instruction our college students experience.

**Civil Engineering:** From the roads we drive on, to the buildings we live and work in, to the water we drink, civil engineers plan, design, analyze, and build them. Students will learn the components needed for a modern society to thrive. Students will then plan and design for the expansion of the UW-Platteville campus.

**Electrical Engineering:** From lightning and human nervous systems to iPods and nanobots, electrical phenomena are everywhere you look. Students will learn about semiconductor chips, amplifiers, oscilloscopes, and speakers.

**Engineering Physics:** EP is a hybrid engineering program combining applied physics and electrical and mechanical engineering. In EP, the value of multidisciplinary approaches to problem solving is emphasized. Students will learn to use optical, electrical, mechanical, and quantum methods to measure the diameter of their own hair.

**Environmental Engineering:** Environmental engineers work on improving our environment, enhancing the quality of human life, and protecting nature's ecosystem. Students will learn to purify a contaminated water source using a jar test apparatus.

**Industrial Engineering:** IE is concerned with the design, improvement, and installation of integrated systems of people, products, and processes. Industrial engineers make things better and more efficient. Students will use IE tools to make both products and services more efficient and user friendly.

**Mechanical Engineering:** Mechanical engineers are involved in the design of a wide variety of products ranging from jet airplanes to washing machines. Students will dissect a water pump, examine its construction, determine how it works, why certain materials are used and investigate the physics involved in pumping a fluid.

**Microsystems and Nanotechnology Engineering:** In this new and cutting-edge technology major students learn to apply their interdisciplinary knowledge to solve major societal problems, including health and energy, through miniature devices that cannot be seen with the naked eye and materials engineered at the nano (atomic) scale.

**Software Engineering:** SE involves the specification, designing, implementing, testing, deployment, and maintenance of software in traditional and embedded computing environments. Students will explore some of these activities using Alice. Alice is a software development tool that allows us to design and develop software in a rich, game-like 3-D animation environment.

**Sustainable and Renewable Energy Systems:** SRES is an interdisciplinary program designed to enhance the knowledge of students with regard to sustainable and renewable as well as traditional energy sources and their impacts on the environment and society. SRES graduates students who understand technical, economic, social, political, and environmental aspects of various sources of energy and become more knowledgeable citizens.

Features

- One college credit for GENENG 1030 Introduction to Engineering Projects course
- Skills to succeed in college
- Small class sizes
- Classes and labs in our new state-of-the-art engineering facility
- Hands-on labs and design projects instructed by our faculty from all disciplines listed above
- Excellent food and residence hall accommodations
- All needed supplies
- Exceptional college advising and career counseling
- Mentoring from upper class college engineering students
- Fun evening activities