

# COLLEGE OF ENGINEERING, MATHEMATICS AND SCIENCE

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## DEPARTMENTS

Department of Chemistry (<http://catalog.uwplatt.edu/undergraduate/engineering-mathematics-science/chemistry>)

Department of Civil and Environmental Engineering (<http://catalog.uwplatt.edu/undergraduate/engineering-mathematics-science/civil-environmental-engineering>)

Department of Computer Science and Software Engineering (<http://catalog.uwplatt.edu/undergraduate/engineering-mathematics-science/computer-science-software-engineering>)

Department of Electrical and Computer Engineering (<http://catalog.uwplatt.edu/undergraduate/engineering-mathematics-science/electrical-engineering>)

Department of Engineering Physics (<http://catalog.uwplatt.edu/undergraduate/engineering-mathematics-science/engineering-physics>)

Department of General Engineering (<http://catalog.uwplatt.edu/undergraduate/engineering-mathematics-science/general-engineering>)

Department of Mathematics (<http://catalog.uwplatt.edu/undergraduate/engineering-mathematics-science/mathematics>)

Department of Mechanical and Industrial Engineering (<http://catalog.uwplatt.edu/undergraduate/engineering-mathematics-science/mechanical-industrial-engineering>)

The College of EMS offers ABET-accredited engineering degrees in civil, electrical, environmental, industrial, mechanical and software engineering, and engineering physics (<http://www.abet.org>) along with degrees in mathematics, broad field science, chemistry, computer science, and sustainable and renewable energy systems.

The College of EMS emphasizes hands-on, practical application of theories learned in the classroom through undergraduate research opportunities, placement in co-ops and internships, community engagement projects, and nearly two dozen professional clubs and organizations. Student success and access are a priority as evidenced by the inclusion of Student Success Programs, focused on helping students get the most out of their college experience.

## MISSION

The mission of the College of Engineering, Mathematics and Science (EMS) is to provide an accessible, hands-on and affordable education for engineering, science, and mathematics students to provide them with the knowledge, skills, and attitudes needed to contribute to the societal well-being and economic development of the state of Wisconsin, the Tri-State region, the nation, and the world.

## COLLABORATIVE ENGINEERING PROGRAM

UW-Platteville has partnered with the thirteen UW Colleges campuses to provide electrical engineering and mechanical engineering bachelor's degrees that are ABET accredited to individuals throughout the state of Wisconsin. Because an associate degree earned through UW Colleges automatically satisfies all of UW-Platteville's general education requirements, most students work on the general education courses, as well as the pre-engineering courses (e.g., math, physics, chemistry) at one of the two-year campuses. When students are ready to begin the professional engineering courses, they apply to UW-Platteville.

UW-Platteville delivers the professional engineering courses to students at a distance in two ways. Students near the UW-Fox Valley, UW-Sheboygan, and UW-Washington County campuses may take the professional engineering courses taught by UW-Platteville personnel through a combination of face-to-face instruction and distance learning technology. Students anywhere in the state of Wisconsin may take the professional engineering courses via distance learning technology. The lab manager regularly visits selected UW Colleges campuses to facilitate the required lab work for courses that include a lab component.

## COOPERATIVE EDUCATION AND INTERNSHIPS

The college offers many cooperative education and internship programs for qualified students. Co-ops, which combine classroom learning with on-the-job experience, allow students to relate theory to practice. A time frame for a co-op is considered one semester plus a summer session. The work period is spent in full-time employment with private industry or a governmental agency. The college considers internships to be summer positions related to the students' major field of study. Students should contact their academic advisor or the Co-op and Internship Coordinator to discuss the co-op and internship programs.

**Co-op and Internship Coordinator:** James Almquist  
**Email:** almquisj@uwplatt.edu

## TRANSFER STUDENTS

Entering transfer engineering students are initially enrolled in the department of general engineering and will be admitted to a degree-granting program upon the fulfillment of the degree-granting program's admission requirements. All entering transfer engineering students are initially advised by a transfer advisor in the College of EMS Student Success Programs. The transfer of credits to meet program requirements must be approved by the appropriate department chair or program coordinator. The transfer of credits must follow the specific requirements of the professional program, which the student will be entering. If a professional program requires a minimum grade in a particular course, transfer of credits for that course from another institution will be allowed only if the required minimum grade was achieved.

## EMS ADMISSIONS AND ACADEMIC STANDARDS POLICIES AND PROCEDURES

In addition to meeting all written university policies, rules and regulations regarding admission and academic standards in effect at the time for the university community, students who seek admission to an engineering program must have an ACT math score of 22 or above, or have a grade of "C" or better in MATH 2640 (or its equivalent). As with the UW-Platteville admission requirements, nontraditional applicants will be evaluated individually for admission.

## PROGRAM STANDARDS

Students enrolled in degree programs within the College of EMS are governed by the academic standards of the university and the academic standards of their degree program. In some cases, the academic standards and requirements of a degree program are more rigorous than those of the university. For example, each degree program may stipulate grade requirements in specific major courses. In some programs, the requirement might be a "C" in selected courses and a 2.0 grade point average over a number of specific courses. Students may obtain detailed descriptions of a program's academic standards and requirements from the specific program catalog section. The requirements of the engineering majors meet or exceed the general education requirements in many areas, particularly mathematics and natural sciences. Therefore, the number of credits necessary to meet the university's general education requirements is not listed with each program. Students should check with their advisor or their department chair to determine the additional courses necessary for graduation beyond those required by their major. Curricular patterns and courses do change. The college and the university reserve the right to change both the college and the general university requirements at any time in order to better serve the long-range interests of students.

## THE COLLEGE OF EMS STUDENT SUCCESS PROGRAMS

[www.uwplatt.edu/ems-success](http://www.uwplatt.edu/ems-success) (<http://www.uwplatt.edu/ems-success>)

**Director:** Tammy J. Salmon-Stephens  
**E-mail:** salmont@uwplatt.edu

**CenterPOINT Program Manager:** Jaclyn Esqueda  
**Email:** esquedaj@uwplatt.edu

**Women in EMS Program Manager:** Kimberly Sargent  
**Email:** sargentki@uwplatt.edu

**Freshman Academic Advisor:** Carrie Cullen  
**E-mail:** cullenca@uwplatt.edu

**Freshman Academic Advisor:** Craig Hendrickson  
**Email:** hendrcra@uwplatt.edu

**Transfer Student and Freshman Academic Advisor:** Michelle Gullickson  
**Email:** gullicksonm@uwplatt.edu

The College of Engineering Math and Science Student Success Programs (EMS SSP) encourage students connecting to campus resources and to each other. Your education is collaborative, and the network surrounding you enhances your experience. The Student Success Programs is home to:

- **The College of EMS Center for Projects, Opportunities, Instruction, Networking and Teamwork (CenterPOINT)** - a space designed to support your academic success. It's a great place to meet your classmates for group project meetings, study between classes, meet with a tutor or professor, learn about upcoming events and programs, and more. (<https://www.uwplatt.edu/ems/centerpoint>)
- **The College of EMS Advising Office** - provides advisors to assist you with a variety of topics, including registration advice, degree progress checks, academic planning, core GPA calculations, course selection, major selection and exploration, time management and study skills, and locating campus resources. Your advisor can also help you with transitioning to college. (<https://www.uwplatt.edu/ems/advising>)
- **The Women in Engineering, Mathematics, and Science (Women in EMS) program** - educates and engages students, parents, and all educators on gender diversity in science, technology, engineering and mathematics (STEM) fields to create a more diverse, competitive, and balanced

workforce. Women in EMS programming creates a supportive community where women prosper. (<https://www.uwplatt.edu/ems/women-ems-program>)