



General Engineering Program

Spring 2009

The General Engineering (GE) Program is designed to prepare students for admission into one of seven professional engineering programs available at UW-Platteville. All of the programs are accredited by the Accreditation Board for Engineering and Technology (ABET). All new freshman engineering students and transfer students who do not immediately qualify for a professional program must begin their UW-Platteville studies in the General Engineering Department.

Students admitted to UWP must also have a score of 22 or higher on their math ACT or a grade of 'C' or better in Calculus I (Math 2640 or its equivalent) to gain admission into General Engineering. Students who do not meet this engineering standard will remain in "Pre-engineering" until obtaining a 'C' or better in Calculus I (Math 2640).

General Engineering students have a variety of backgrounds; some are better prepared for their college studies than others. The GE program offers students an opportunity to correct academic deficiencies and ensures that students enter professional programs with suitable preparation. The GE program also allows students several semesters to finalize their choice of major.

Upon entering the GE Department, each student will be asked to select a preferred professional program (major). The student's choice at this point is not binding; it will merely provide the college with some information for planning purposes. Students electing to change their program preference may do so at any time by stopping by the General Engineering Office, 153 Ottensman Hall.

In order to gain admission to one of the seven professional programs (civil engineering, electrical engineering, engineering physics, environmental engineering, industrial engineering, mechanical engineering, software engineering), a student must satisfy all requirements of the General Engineering Program (listed on the back).

Because there are limits to the number of students that each professional program can accommodate, admission to the individual professional programs is somewhat competitive. Twice a year, each degree-granting department establishes a minimum Core Grade Point Average (CGPA) required for admission to its program(s) at the end of the semester.

Admission to a specific program is based on the program CGPA requirement in effect during the semester in which the student completes the GE requirements.

The CGPA requirement for a given program does not reflect the difficulty of that program. The CGPA requirement simply indicates the accumulated level of student demand for that program. A student who completes the GE Core Courses and does not achieve the program's minimum CGPA criterion may be admitted to that program by the department chair if space is available. Admission will be by rank CGPA.

Sample First Semester Coursework

Although courses are tailored to the individual student's background and major requirements, a typical first semester freshman schedule would be:

Math 2640	Calculus w/ Analytic Geom. I	4 cr
Engl 1130	Freshman Composition I	3 cr
Chem 1450	Chemistry for Engineers	5 cr
GE 1000	Engineering Success Skills	1 cr
PE 1000	Fitness Assessment	1 cr
	Humanities or Social Science Elective	<u>3 cr</u>
		14 to 17 cr

For Additional Information

Specific questions about the General Engineering Program may be directed to Dr. Osama Jadaan, Professor and Chair, General Engineering Department, College of Engineering, Mathematics, and Science, University of Wisconsin-Platteville, 1 University Plaza, Platteville, Wisconsin 53818-3099; Phone: 608.342.1711; Fax: 608.342.1566 or e-mail: jadaan@uwplatt.edu.

Spring 2009 GE Program Requirements

1. Each student **must** complete the following seven core courses:

Engl 1130	Freshman Composition I	3 cr
Chem 1450	Chemistry for Engineers	5 cr
(OR Math 2730	For Software Engineering)	3 cr
Math 2640	Calculus w/Analytic Geom. I	4 cr
Math 2740	Calculus w/Analytic Geom. II	4 cr
GE 1000	Engineering Success Skills	1 cr
GE 1030	Intro. to Engineering Projects	1 cr
GE 1320	Engr./Computer Graphics	2 cr

(OR **Computer 1430** For Software Engineering. Electrical Engineering **does not** require GE 1320.)

2. Students who complete their core courses in spring 2009 and have earned a CGPA listed below are guaranteed entry into a professional program of their choice:

Civil Engineering	2.70
Electrical Engineering	2.30
Engineering Physics	2.40
Environmental Engineering	2.50
Industrial Engineering	2.20
Mechanical Engineering	2.60
Software Engineering	2.30

A student who completes the GE Core Courses and does not achieve the program's minimum CGPA criterion may be admitted to that program by the department chair if space is available. Admission will be by rank CGPA.

3. Each student **must** earn a grade of **'C' or better** in Math 2640 and Math 2740.
4. Each degree-granting department also designates certain courses as "professional courses" that require a grade of 'C' or better. The professional courses for each department are:

Civil Engineering and Environmental Engineering -

Any course that is a prerequisite for a civil or environmental engineering course.

Electrical Engineering - Any course that is a prerequisite for an electrical engineering course.

Engineering Physics - All physics or engineering physics courses which are prerequisites for later courses in the major must be completed with a "C" or better. Also, an engineering physics major must have a GPA of 2.0 for all 3000/4000 major courses.

Industrial Engineering - All required industrial engineering courses must be completed with an overall 'C' average.

Mechanical Engineering - All courses in mechanical engineering must be completed with an overall 'C' average.

Software Engineering - All required Software Engineering, Computer Science, and Electrical Engineering courses.

GE Program Limits

1. Once admitted into General Engineering, a student must successfully complete the GE program requirements **before accumulating 60 or more credits at UWP. Each repetition of a given course will be counted toward the 60 credit limit.** With the exception of the seven GE core courses, credits earned at UWP prior to admission to GE will not be counted toward the 60 credit limit.
2. GE students may take **no more than nine credits** of engineering courses numbered at the 2000 level or higher.

Dismissal from Engineering

Engineering majors who fail to meet the CGPA of their professional program within the 60 credit limit will be dismissed from engineering. Students who are dismissed from UWP are also dismissed from engineering and must appeal to both the University and the College of EMS for reinstatement. A student who has been dismissed from engineering may not enroll in any engineering class during the fall or spring semesters. Students should address appeals for reinstatement to the College to the Engineering Admissions and Academic Standards Committee, c/o General Engineering, 153 Ottensman Hall.

Transfer Credits

1. The transfer of credits into any engineering program must be approved by the appropriate department chair. All transfer of credits must follow the specific requirements of the professional program which the student will be entering, including any specific grade requirement(s).
2. Pass/Fail or 'D' grades are generally not transferable into engineering.
3. It is understood that students entering engineering with an Associate of Arts or Science Degree from UW-Colleges, a four-year UW-System institution or from the Illinois or Highland Community Colleges will have satisfied the General Education requirements for UWP.
4. Students that transfer from programs that are not ABET accredited may be required to substantiate their expertise in the topics in question.

The University of Wisconsin-Platteville does not discriminate on the basis of age, race, creed, color, handicap, sex, sexual orientation, developmental disability, national origin, ancestry, marital status, arrest record or conviction record.