The mission of the College of Engineering is to provide a teaching, learning, and research environment that results in the highest-quality education for our students. Consistent with our goal of providing the highest-quality, practice-oriented program, the College of Engineering seeks to prepare students to contribute to the accumulation and application of technical knowledge. The college further seeks to help students master the fundamental mathematical and scientific principles underlying a particular branch of engineering; develop and demonstrate competence in analysis and design appropriate to an engineering specialization; reason clearly and communicate effectively; and recognize the need to continue professional development.

Through laboratory exercises, senior design projects, professional association activities, and cooperative work assignments, students put theory into practice and clarify their professional goals.

The college offers a Bachelor of Science degree with specializations in chemical, civil, computer, electrical, industrial, and mechanical engineering. The five-year Bachelor of Science degree program, which includes eighteen months of cooperative education work experience, is the standard and most popular program. Four-year programs with and without co-op experience are also available.

The college encourages students to study the arts, sciences, business, and other areas outside of engineering, for they provide an awareness of the social, economic, political, aesthetic, and philosophical influences that shape the world in which graduates will practice their professions. Students may complete a minor in areas such as business, computer science, biomedical engineering, math, or music. In many cases, the minor can be completed without course overloads.

In addition to a full array of University services, special advising and other support services (including tutoring) are provided. Students may qualify to participate in honors sections of many courses. Active student chapters of many national professional engineering organizations and honor societies are supported by the college as an enriching addition to academic studies and co-op experience.

The Bachelor of Science degree programs with specification in chemical, civil, electrical, industrial, and mechanical engineering are accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, telephone 410.347.7700.

Bachelor of Science/Master of Science Joint-Degree Program

The Departments of Electrical and Computer Engineering, Mechanical and Industrial Engineering, and Civil and Environmental Engineering offer programs leading to both the bachelor’s and master’s degrees in five years. All students begin with the common first-year engineering program. Upon successful completion, students may petition to enter the BS/MS Program. Degree candidates must maintain a 3.400 cumulative GPA, carry extra courses, and reduce the number of cooperative education semesters to complete the course requirements.
Academic Standards

ACADEMIC PROGRESSION STANDARDS
In addition to meeting University progression standards, it is expected that full-time engineering students enroll in four courses with appropriate labs and successfully complete at least 12 semester hours each academic semester with an acceptable GPA as noted below. Any exceptions to the course load requirement must be approved by the student’s academic advisor, in writing, prior to the start of each semester.

GPA REQUIREMENTS FOR GRADUATION
A minimum cumulative GPA requirement of 2.000 in major (department) courses and a minimum cumulative GPA requirement of 2.000 overall is required for graduation.

CRITERIA FOR ACADEMIC PROBATION
Full-time students in the College of Engineering will be placed on academic probation effective for the following academic semester for any of the reasons noted below:

First-year Students:
• Not maintaining an overall cumulative GPA of at least 1.800 or not earning at least 24 semester hours at the end of the two semesters of the first-year curriculum, or
• Not earning at least 12 semester hours in the second academic semester.

Upperclass and Transfer Students:
• Not earning at least 12 semester hours in the full semester just completed, or
• Not maintaining an overall cumulative GPA of at least 2.000 at the end of each full academic semester, or
• Not maintaining a GPA of at least 2.000 in major at the end of the fourth full academic semester of the curriculum and at the end of each full academic semester thereafter, or
• Not maintaining satisfactory progress through the curriculum by:
  – Accumulating three outstanding course deficiencies (grades of F, I, W, NE, U, *, or missing grades), or
  – Earning a current full-semester GPA of 1.600 or lower, or
  – Not following a program of study approved by the student’s academic advisor.

A notation of the academic probation action will appear on the internal record but not on the permanent transcript.

CRITERIA FOR ACADEMIC DISMISSAL
Full-time students on probation in the College of Engineering are eligible for academic dismissal from the University for any of the reasons noted below:
• Earning less than a 1.800 semester GPA in a full academic semester
• Completing fewer than 12 semester hours in a full academic semester

• Not following a program of study approved by the student’s academic advisor
• Remaining on academic probation after two full academic semesters

Notation of this academic dismissal will appear on the permanent transcript.

GRADUATION REQUIREMENTS
The college reserves the right to amend programs, courses, and degree requirements to fulfill its educational responsibility to respond to relevant changes in the field.

Students must complete all of the requirements in the degree program in which they are candidates. Degree requirements are based upon the year of graduation, determined by the date of entry or reentry into the College of Engineering. Degree requirements and the year of graduation for a degree candidate who fails to make normal academic progress will be subject to review and possible change.