

UA College of Engineering Frequently Asked Questions

What are the entrance requirements for undergraduate admission the College of Engineering?

The University of Akron has three admissions designations: Direct, Standard and General. Relative to the College of Engineering, “Direct” admit means that you are directly admitted to the College of Engineering. “Standard” admit means that you meet the standard requirements for University of Akron admission, but not for the specific admission to the College of Engineering. Both Direct and Standard admit students have a major listed within the College of Engineering. However, Direct admit students are advised within the College of Engineering, while Standard admit students are advised within the University College. General admit students are those students who do not meet the standard admission requirements for the University of Akron and must take courses to address that deficiency.

The Direct admit requirements to the College of Engineering are as follows:

At least 3 of the 4 criteria must be met:

- 3.3 High School G.P.A.
- 24 Composite ACT and 24 ACT Math OR 1110 Composite SAT and 560 SAT Math
- 4 units of Math with/Trigonometry (B or better)
- 1 Chemistry course (B or better)

If a student is admitted to the University of Akron as a Standard admit, they normally can transfer into the College of Engineering after their first year provided they have met the following requirements:

- Must have completed 30 credits of coursework
- Finished the second course of Calculus
- Received a C- or better in all required Math courses that were attempted less than 3 times, or a “B” for any such course attempted a third time.
- A maximum of six course repeats
- At least a 2.3 GPA in 3 of the 4 groupings
 - Overall
 - Engineering Courses
 - Math Courses
 - Science Courses

For the most updated admissions information, please see the Undergraduate Bulletin.

What undergraduate degrees are offered in the College of Engineering?

Currently, the College of Engineering offers nine undergraduate B.S. degree programs across five departments. They are as follows:

| Department | B.S. Degree |
|-------------------------------------|--|
| Biomedical Engineering | Biomedical Engineering <ul style="list-style-type: none">• Biomechanics Track• Instrumentation, Signals and Imaging Track• Biomaterials and Tissue Engineering Track |
| Chemical & Biomolecular Engineering | Chemical Engineering Corrosion Engineering |
| Civil Engineering | Civil Engineering |
| Electrical and Computer Engineering | Electrical Engineering Computer Engineering |
| Mechanical Engineering | Mechanical Engineering Mechanical Polymer Engineering Aerospace Systems Engineering |

Of the nine degree programs, seven are fully-accredited by ABET. The two newest programs, Corrosion Engineering and Aerospace Systems Engineering, can not be evaluated for accreditation until they have graduated at least one student.

How many students are in the College of Engineering?

As of Fall 2010, the College of Engineering had 2656 students, which includes 2300 undergraduate students and 356 graduate students.

How many Freshman students are there in the College of Engineering?

In the Fall of 2010, there were 586 new Freshman students in the College of Engineering, which includes 337 Direct Admit students and 249 Standard Admit students.

What is the largest and average class size in the College of Engineering?

Starting in Fall 2011, the largest class in the College of Engineering will be a little over a 100 students. On average, the class size in the College of Engineering is 38. The current student:faculty ratio in the College of Engineering is around 30:1.

What is the size of the graduating class from the College of Engineering?

During the 2009-10 academic year, the College of Engineering graduated 178 undergraduate students.

How many students that start in the College of Engineering graduate with a 4-year degree at the University of Akron?

Of the students who begin as an Engineering major, on average 48.3% will graduate with a 4-year degree in six years or less.

What is the retention rate for Engineering students during their first year?

Of the Freshman students who started in Fall 2009, 78.4% of those students returned to the University of Akron for their Sophomore year.

How can a student get the help that they may need in the classroom?

In addition to tutoring offered by the Office of Student Academic Success, the College of Engineering offers tutoring through their Increasing Diversity in Engineering Academics (IDEAs) program. Here, students can use the IDEAs Tutorial Study Center to obtain free help in math, physics, chemistry and engineering courses. Both walk-in and group sessions are available. Additionally, the College of Engineering has special offices that focus on the unique challenges of underrepresented groups through the IDEAs program as well as the Women in Engineering program.

What scholarships are available for College of Engineering students?

The College of Engineering offers over 80 scholarships to both new Freshman and continuing students. Applications for College of Engineering scholarships are available on our website at: <http://www.uakron.edu/engineering/academics/undergraduate/scholarships.dot> Deadlines are normally in March, but check the link for updated information.

How many students who graduate end up getting jobs?

Of those students seeking employment, about 95% of those students who graduated in 2009 and 2010 have full-time jobs.

Explain the Co-Operative Education Program?

A co-operative educational experience (or “co-op”, for short), allows students to receive up to 12-months of industry or government experience during their career as an undergraduate student. The normal plan is for students to start their co-op in the Spring of their 3rd year and take three, non-consecutive co-ops for four-month periods, for a total of 12-months. The co-op program is not mandatory (except for Aerospace Systems Engineering), but about 90% of students who graduate with an Engineering degree from the University of Akron will have a co-op experience. On average, co-ops make about \$15 - \$17 an hour and can be placed locally, regionally or beyond, depending on their interests and availability.

How do you assist students in career preparation and finding employment?

We have a Co-Operative Education Office in the College of Engineering with a three-person staff that not only helps students find co-operative employment, but aids them with full-time employment.

Every senior student, if desired, can receive help with resume and portfolio preparation, cover letters and interviewing skills. Two engineering science career fairs are held each year, one each semester. Companies will interview our students year-round for full-time employment.

What are the Student Design Teams?

Student Design Teams are opportunities for undergraduate students in the College of Engineering to participate in a team activity that challenges them to design, build and compete their device against other schools in the region, the nation and beyond. There are a wide variety of competitions, including those with concrete canoes, robotics and steel bridge design as well as many car-based competitions, including chemically-powered cars, mini-Baja and Formula SAE cars. The College of Engineering has done extremely well in these competitions across a variety of disciplines, being top performers at the national level.