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

The University of Akron has two main admissions designations: Direct Admit and University Admit. Relative to the College of Engineering, “Direct Admit” means that you are directly admitted to the College of Engineering. “University Admit” means that you meet the standard requirements for University of Akron admission, but not for the specific admission to the College of Engineering. Direct Admit students are advised within the College of Engineering, while University Admit students are advised within the Center for Academic Advising and Student Success.

Starting with the Fall 2015 incoming class, the Direct Admit requirements to the College of Engineering are as follows:

All three criteria must be met:

- 3.4 High School G.P.A.
- 24 Composite ACT (1110 Composite SAT)
- 24 ACT Math (560 SAT Math)

If a student is admitted to the University of Akron as a University 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 (Calculus 2) with a C- or higher.
- Have a 2.3 grade point average in at least three of the following categories:
  - in all coursework
  - in all engineering coursework
  - in all required mathematics coursework
  - in all required science coursework (chemistry, physics, computer science, biology)
**What undergraduate degrees are offered in the College of Engineering?**

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

<table>
<thead>
<tr>
<th>Department</th>
<th>B.S. Degree</th>
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<tbody>
<tr>
<td>Biomedical Engineering</td>
<td>Biomedical Engineering</td>
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<td></td>
<td>• Biomechanics Track</td>
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<td></td>
<td>• Instrumentation, Signals and Imaging Track</td>
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<td>• Biomaterials and Tissue Engineering Track</td>
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<tr>
<td>Chemical &amp; Biomolecular Engineering</td>
<td>Chemical Engineering</td>
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<tr>
<td>Civil Engineering</td>
<td>Corrosion Engineering</td>
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<tr>
<td>Electrical and Computer Engineering</td>
<td>Electrical Engineering</td>
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<td>Computer Engineering</td>
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<td>Mechanical Engineering</td>
<td>Mechanical Engineering</td>
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<tr>
<td></td>
<td>Aerospace Systems Engineering</td>
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</tbody>
</table>

Of the eight degree programs, six are accredited by ABET, Inc. The two newest programs, Corrosion Engineering and Aerospace Systems Engineering (ASE), cannot be evaluated for accreditation until they have graduated at least one student. The first students graduated from the ASE program in Spring of 2014, and the request for evaluation of accreditation will be submitted during the next year.

**How many students are in the College of Engineering?**

As of Fall 2013, the College of Engineering had about 3,200 students, which includes nearly 2,800 undergraduate students and 400 graduate students.

**How many freshman students are there in the College of Engineering?**

In the Fall of 2013, there were over 750 new freshman students in the College of Engineering, with more than 450 of those students as Direct Admits.

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

Starting in Fall 2013, the largest class in the College of Engineering will be a little over 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 2012-13 academic year, the College of Engineering graduated 282 undergraduate students.

How many students that start in the College of Engineering graduate with a bachelor’s degree at the University of Akron?

Of the students who begin as an Engineering major, about half will graduate with a bachelor’s degree in six years or less.

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

Of the Freshman students who start as an engineering major, about 80% of those students return 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 through Bierce Library, the College of Engineering offers tutoring through their Engineering Tutoring Program. Here, students can work with engineering student tutors 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 programs 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-line 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?**

At a minimum, more than 90% of students who graduate with a B.S. in an engineering discipline at The University of Akron will be placed in either engineering positions or continue on to graduate school within three months of graduation. This number is likely higher since some students find employment without informing the College of Engineering office.

**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 Semester 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 and Placement 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 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 with 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.