

Quick Start Guide For New Student Orientation 2023-24

School of Engineering Advising Requirements

<u>Advisor</u>	<u>Contact information</u>	<u>Advises</u>
Zoe Dwyer, Ph.D.	zdwyer@uab.edu ; 205.934.8400	Last names: D-S; all postbaccalaureate students regardless of last name
Andrew Sullivan, P.E.	asullivan@uab.edu ; 205.934.8400	Last names: A-C, T-Z

You can schedule an appointment online with your academic advisor through the UAB Advising Appointment Manager either by clicking your advisor's name on your Student Profile page in BlazerNET or through the "My Appointment" link on the righthand side of your Student Profile page in BlazerNET.

Advising is mandatory for engineering majors every term. You will receive your registration access code (RAC) during your academic advising appointment.

Majors and minors offered by the UAB School of Engineering:

The School of Engineering offers the following undergraduate degrees:

- Bachelor of Science in Biomedical Engineering (BSBmE)
- Bachelor of Science in Civil Engineering (BSCE)
- Bachelor of Science in Electrical Engineering (BSEE)
- Bachelor of Science in Engineering with a major in Engineering Design (BSE)
- Bachelor of Science in Mechanical Engineering (BSME)
- Bachelor of Science in Materials Engineering (BSMtE)

The School of Engineering offers the following engineering minors:

- Applied Mechanics
- Biomedical Engineering
- Civil Engineering
- Electrical Engineering
- Engineering Design
- Engineering Science
- Engineering World Health
- Environmental Engineering
- Materials Engineering
- Mechanical Engineering - Thermal Systems
- Mechanical Engineering - Mechanical Systems
- Neuroengineering
- Software Engineering

Laptop Requirement

Each UAB engineering student must have a laptop with the necessary software installed. You can access more information here: <https://www.uab.edu/engineering/home/undergraduate/laptop-requirement>



Credit Hours and Course Loads:

The unit of credit at UAB is the semester hour. Course descriptions indicate the number of semester hours that may be earned for a particular course. A standard course load for a full-time student is 15 semester hours of course work in a semester. At least 12 semester hours of course work are required for full-time status. Registration for more than 18 semester hours in a term or more than three semester hours in the May Session requires approval by the dean or the dean's representative of the school in which the student is majoring.



All engineering degrees require 128 hours of specified coursework.

Course Numbering System

- 000-level course designate remedial courses where college credit will not be earned.
- 100-level and 200-level courses are lower-division courses (typically core classes that are not necessarily easier)
- 300-level and 400-level courses are upper-division courses (classes with content more specific to engineering that typically require courses in math, science or engineering as prerequisites)

Engineering Peer Tutoring Lab

The Engineering Peer Tutoring Lab is a tutoring service offered by the UAB School of Engineering. The center is funded by a gift from Alabama Power. This financial assistance enables tutors to earn a stipend while providing extra instruction, guidance or encouragement to undergraduates in engineering or related science and math courses. Tutoring sessions are free and open to all currently enrolled UAB engineering students. Students currently enrolled in an Engineering class can find more information regarding in-person sessions and can access Zoom sessions through the Engineering Peer Tutoring Lab page on Canvas.

You can access more information here: <https://www.uab.edu/engineering/home/students/peer-tutoring>



Guaranteed Internship Program

UAB Engineering offers guaranteed internships to ensure incoming students have opportunities for professional experience before graduation.

Professional experience allows students to:

- Explore career options in a variety of industries prior to graduation.
- Develop workforce skills through first-hand experience.
- Apply your classroom knowledge in a practical setting.
- Elevate your resume and improve your salary earnings and job options upon graduation.

Interested students must participate in internship readiness programming through the Engineering Career Center that will prepare students to become competitive and confident applicants.

This programming includes interactive workshops with the Engineering Career Center over a period of four semesters (new freshmen) or two semesters (transfer). Students will register for a 0-credit internship preparation course in the fall semester of sophomore year to fully develop resume and internship packet materials under the direction of Engineering Career Center staff. Students also participate in employer networking events such as the Engineering Career Fair each semester to build relationships with hiring partners.

Programming includes but is not limited to the following:

- Resume development
- Application development
- Interview assistance and mock interviews
- Career exploration
- Navigating a workplace
- Career competency and soft skill development
- Mentorship on successful job candidacy