Student Eligibility

Any student is eligible to enroll in courses, regardless of whether they are homeschooled or attend a public or private school. Furthermore, school approval is not required in order for a student to enroll. This goes with the understanding that the student will be taking the course on their personal or home computer.

School Eligibility

Any public, private, charter, or home school (co-ops or cover schools) is eligible to participate. Likewise, there is no minimum number of students required in order for a school to participate.

Registration and Student Enrollment

Course Descriptions, Fees and Registration

A la Carte Course Enrollment

There is no requirement to sign-on for the entire four-year curriculum. Single and multiple courses may be taken, and in any order of preference. The only exception is Engineering Design and Entrepreneurship (ea400), which is available fall 2016.

Course Registrant

We require that a designated adult – parent, guardian, teacher, homeschool representative, or school administrator – serve as course registrant responsible for course registration, course-fee payment coordination, and providing contact information for each student enrollee. This person also serves as point-of-contact for registration- and payment-related issues that may arise.

Course Fee Payment

Methods of payment are by credit card (VISA, MasterCard, Discover, or American Express), purchase order, or invoice. Full course-fee payment is required before enrolled students may begin coursework. Schools paying by purchase order or invoice should bear this in mind and allow adequate turn-around time for getting a check cut and mailed to Auburn University.

Course Accounts and Access

Student Account and Access

Students have accounts through which they access coursework. Following their enrollment in the registration process, they receive an email with account-access instructions. Students may not allow other students access to the coursework through their account; doing so will result in expulsion from the course. Students have 24/7 access to their course.

Facilitating Teacher Account and Access

The Facilitating Teacher (FT) has their own account for is provided access to student accounts in order to track progress, assess and grade assignments, and assign final course grades.
Course Information

Course Instruction, Classes, and Online Format
Courses are the same as those taught in The Engineering Academy at Hoover High School (EAHHS) by EAHHS engineering faculty and follow the same schedule and structure as EAHHS courses:

- 15-week semester
- Monday – Friday classes
- 48-minute class periods

EAHHS daily classes are converted to online format and embedded with the following:

- classroom instruction
- course content material
- study material
- additional reference material (websites; videos, documents, etc.)
- classroom and homework assignments
- student projects
- quizzes and course exams

Facilitating Teacher Requirement
For each course taken – whether by an individual student or group of students – there must be an adult designated as the Facilitating Teacher (FT), whose duties include:

- serving as point-of-contact for faculty and Teaching Assistants (TAs)
- overseeing the timely completion of homework, class assignments, and projects
- grading homework, class assignments, projects, quizzes, and exams (each assignment includes a rubric for assessing student work)
- assigning each student’s final course grade

The individual serving as FT is not required or expected to help teach the course, be a course-content expert, or have a Science, Technology, Engineering, or Mathematics (STEM) degree, background, or career.

Teaching Assistants (TAs)
TAs provide online and real-time support for students, FTs, and parents, including:

- course-content and technical assistance
- online meetings
- real-time teaching with groups of students or entire classes
- assisting FTs with assessing and grading student work

TAs are Auburn University undergraduate and graduate engineering students that graduated from The Engineering Academy at Hoover High School. Having taken the same courses, their knowledge of course content and understanding of course demands and faculty expectations qualifies them to assist students and FTs alike.

Class Assignments and Course Grading
The FT assesses class assignments, assigns letter grades (A - F), and posts the grades online. The FT is also responsible for assigning the final course grade. TAs are available to provide assistance, if needed; they cannot provide or recommend grades; however.
Team Assignments
The feasibility of incorporating team assignments depends on the number of students enrolled in the course as well as their physical location (i.e., time zone).

Technical Requirements
The online courses are delivered through Canvas Learning Management System. Canvas is platform-independent, so course content is accessible through browsers on PCs, Macs, iOS devices, and Android devices. Some of the engineering-specific software is supported on the Mac OS through Parallels/Bootcamp or Mac versions of the software. SolidWorks (ea100) is not supported on the Mac OS.

Student Computer Access
Home access to a computer and the Internet is also preferable. Students will also be required to create original screencasts as part of the assignments that they submit, so access to a simple headset with a microphone is also required.