

COLLEGE OF ENGINEERING

BASE CAMP for ENGINEERS

The College of Engineering calls the first year of the engineering curriculum Base Camp—it's where everyone gets started on their journey to their degree. Base Camp is designed to simplify the first year curriculum. This gives students the flexibility to explore engineering majors without loss of credit or missing a critical prerequisite course and keeps engineering students together for the first year. Your Base Camp will depend on your math and college writing placement. A general view of Base Camp is shown below.

Year 1 Fall	15 hrs	Year 1 Spring	17 hrs
Math (based on placement)	3-4 hrs	Math	4 hrs
Science (based on placement)	4 hrs	Science	4 hrs
FYE 101 (or HON101)	1 hr	HSBS/HFA	3 hrs
EGR 101 (based on placement)	3 hrs		
		College Writing	3 hrs
College Writing	3 hrs	HSBS/HFA	3 hrs
HSBS/HFA	3-6 hrs	EGR 101	3 hrs

FYE 101 - Charger Success for Engineers

Introduces students to UAH, the College of Engineering, and Engineering fields & majors. Helps students identify and use campus resources, understanding and leverage their learning style, and develop good study, time management, and test taking skills. Start the career development process and familiarize students with the experiential learning options available. Introduce the engineering design process with a focus on instant challenges and “what-if” problem-solving.

EGR 101 - Intro to Computing for Engineers

Introduces students to the fundamental principles of programming for solving engineering problems. Familiarizes students with the process of computational thinking and the translation of real-life engineering problems to computation problems. Languages include Matlab and Python.

Pre-Charge for Engineering—Canvas Course

When you are admitted to UAH and register for Freshmen Orientation, the College of Engineering will enroll you in a Canvas course called Pre-Charge for Engineering. This self-paced, on-line course gives you all the tools and resources a student and their family needs to navigate the engineering curricula and prerequisite requirements, develop a first semester schedule, register for courses, and get a great foundation for success! We look forward to seeing you in the class.



MATH PLACEMENT

Your first math course is determined by your math placement. The table below shows the possible math courses relative to the ACT/SAT math subscores and UAH Placement Test ranges. Note that MA 171 (or 171S) is the first credit-bearing math course for engineering majors. If you are not placed in MA 171 (MA 171S), you will be required to take the math prerequisites. You may also take the UAH Math Placement test to improve your placement.

Level	Number	Course	ACT Math	SAT Math	UAH Test
0	MA 112S	PreCalc I w/Algebra Supp.	21 or lower	490 or lower	< 40%
1	MA 112	PreCalc I w/Algebra	22-24	500-590	≥ 40% and ≤ 59%
2	MA 171S	Calculus A Supp.	25-27	600-630	≥ 60% and ≤ 79%
3	MA 171	Calculus A	28+	640+	≥ 80%

CHEMISTRY & EGR 101 PLACEMENT

Your Chemistry and EGR 101 courses depends on your math placement.

Math Placement	Chemistry and EGR 101 Placement
MA 171S or higher	CH 121/125* and EGR 101 in fall
MA 112 or MA 112L	BYS 119/121** for AE, CE, ISE, and ME majors in fall EGR 101 and CH 121/125 in spring

*CBSY majors may take either BYS 119/121 or CH 121/125 as the first science course (only one is required)

**MA 112/112S placed students in AE, CE, ISE, and ME majors will take BYS 119 (lecture) as a science elective, with CE also required to take BYS 121 (lab)

CONNECT WITH US

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