

**2026 SUMMER ORIENTATION**



**UNIVERSITY OF  
ARKANSAS**

**College of Engineering**

**STUDENT GUIDEBOOK**

## ***This guidebook will...***



Teach you about the **First-Year Engineering Program (FEP) curriculum**



Introduce you to services provided by **Engineering One-Stop (EOS)**



Provide information to prepare you for **one-on-one advising**



Be a **resource after orientation**

## ***Still have questions...***



Students contact EOS by phone  
**479-575-4540**

or send an email from your  
UARK account to  
**eos@uark.edu**

# TABLE OF CONTENTS

Welcome to Engineering . . . . . 2

Degree Plans . . . . . 3

First-Year Engineering Program . . . . . 4

Engineering One-Stop . . . . . 6

Honors . . . . . 7

Peer Mentoring & Coaching. . . . . 8

Laptop Requirements . . . . . 9

Determining Math Placement . . . . . 10

Building Success in Engineering . . . . . 11

State Minimum Core Requirements. . . . . 12

Credit by Advanced-Standing Programs. . . . . 14

Math and Science Requirements. . . . . 16

Course Scheduling for Calculus I or Higher . . . . . 17

Course Scheduling for Precalculus . . . . . 18

Course Scheduling for College Algebra . . . . . 19

Summer Temporary Override Process . . . . . 20

Advising . . . . . 21

Registration Instructions. . . . . 22

During Orientation Checklist . . . . . 24

Reminders for After Orientation . . . . . 25



UNIVERSITY OF  
ARKANSAS

College of Engineering

# WELCOME TO ENGINEERING



## **Welcome to the University of Arkansas College of Engineering!**

On behalf of our entire team, it is my honor and privilege to welcome you to one of the most exciting and impactful fields of study in the world. You have worked hard to get here, and we are thrilled to have you as part of our Razorback engineering family.

From the moment you arrive, we want you to know that you are not alone on this journey. Our First-Year Engineering Program is specifically designed to help you build a strong academic foundation, connect with your peers, and navigate the transition to college-level engineering coursework with confidence. And through Engineering One-Stop, you have access to academic advising, coaching, peer mentoring, mental health counseling, scholarship support, and tutoring all in one place and all here to support you. We even have two certified pet therapy dogs, Nomar and Angus, starting this fall with you.

Our dedicated leadership team, including Kartik Balachandran, Associate Dean of Research; Kevin Hall, Associate Dean of Academics; and Bryan Hill, Associate Dean of Student Success, along with our outstanding faculty and staff, are deeply committed to your growth, well-being, and success every step of the way.

**We believe in you, and we are here for you. Welcome to the College of Engineering. Now, let's get to work!**

— Kim LaScola Needy, Dean, College of Engineering

# DEGREE PLANS



All incoming first-year engineering students and data science students have their degrees set to “Engineering First Year Student” or “Data Science First Year Student.” In the first-year engineering and data sciences courses, students learn about the nine engineering disciplines offered and fourteen different data science concentrations so they can make an informed decision about their degree plan. During the breakout sessions, students will indicate engineering majors and concentrations they are interested in to help with planning classes for the fall semester. Below is a list of some topics students may study in each degree plan and ways each discipline approaches problem-solving.

<b>Degree</b>	<b>Potential Topics of Study</b>
<b>Biological Engineering</b>	Analyzing water quality; perfecting food sustainability; creating clean, renewable energy
<b>Biomedical Engineering</b>	Diagnosing and treating diseases; developing implants and prosthetics; designing medical equipment
<b>Chemical Engineering</b>	Developing sustainable processes; producing energy and fuels; designing future materials; practicing process safety
<b>Civil Engineering</b>	Water treatment and distribution systems; building foundations and structures; transportation systems
<b>Computer Engineering</b>	Designing computer hardware, integrating computing systems, building computer networks, controlling embedded systems
<b>Computer Science</b>	Developing efficient software, strengthening cybersecurity measures, conducting computer simulations, advancing artificial intelligence
<b>Data Science</b>	Storytelling with data; AI & machine learning; data privacy & ethics, social problems, interdisciplinary teamwork
<b>Electrical Engineering</b>	Powering electrical systems, processing communications signals, designing electronics, developing cyberphysical systems
<b>Industrial Engineering and Operations Analytics</b>	Process improvement; simulation and optimization; data analytics
<b>Mechanical Engineering</b>	Product and system design; robotics and automation; energy conversion

Interested in the International Engineering Program? Learn more here:



# FIRST-YEAR ENGINEERING PROGRAM



All new students who begin in the College of Engineering start in the First-Year Engineering Program (FEP). FEP is designed to help you successfully transition into college-level engineering coursework while giving you time, support, and guidance as you explore the different engineering majors offered at the University of Arkansas.

Being in FEP means you are part of the College of Engineering from day one, with access to introductory engineering courses, faculty, advisors, coaches, peer mentors and other support services, all while building a strong foundation for your future major.

## WHAT IS THE FIRST-YEAR ENGINEERING PROGRAM?

The First-Year Engineering Program is a two-semester experience that combines coursework, advising, coaching, mentoring and hands-on learning to help you:

- Build core skills needed for success in engineering
- Explore engineering disciplines before choosing a major
- Understand degree requirements and career pathways
- Connect early with academic and personal support resources

During your first year, you will be officially classified as an Engineering First-Year student while you prepare to declare your engineering major.

## WHAT COURSES WILL I TAKE IN MY FIRST YEAR?

Your first-year schedule will include a shared set of courses taken by most engineering students, which may vary slightly based on your math placement.

### Most students will take:

- Introduction to Engineering I & II (GNEG 11101 & 11201)  
Hands-on courses that introduce engineering problem-solving, teamwork, design, and basic programming.
- Math courses based on placement (College Algebra, Precalculus, Calculus I, or higher)
- Science courses aligned with your math progress
- Composition I & II
- At least one State Minimum Core course

*Introduction to Engineering I & II serve as your first-year experience courses and replace the University Perspectives requirement.*

Students who place into College Algebra will begin with Fundamentals of Success in Engineering Study (GNEG 12001) to strengthen math skills and build effective study strategies before starting the Introduction to Engineering sequence.

## HOW DOES FEP HELP ME CHOOSE A MAJOR?

FEP gives you time and structure to explore engineering disciplines before committing to one. Throughout your first year, you will:

- Learn about each engineering discipline through coursework, projects, and presentations
- Meet faculty and professionals from different engineering fields
- Discuss interests, strengths, and goals with your academic advisor

You will declare your intended engineering discipline in the spring semester during your first year.

## SUPPORT BUILT INTO YOUR FIRST YEAR

As a First-Year Engineering student, you receive centralized support through Engineering One-Stop (EOS), located in John White Jr. Engineering Hall. EOS brings multiple services together in one place, including:

- Academic advising to help you plan courses and stay on track
- Academic coaching to build strong study habits and time management skills
  - Part of your grade in your GNEG course is to attend an initial group coaching session
- Peer mentoring from experienced engineering students
  - Part of your grade in your GNEG course is to meet weekly with a peer mentor
- Career exploration and early professional development
- Scholarship, financial aid, and mental health support

You are never expected to navigate your first year alone—support is built into the program.

## WHAT ELSE SHOULD I KNOW?

- You do not need to know your engineering major yet
- Your math placement will help determine your first-semester schedule
- Your advisor will guide you through course selection
- The courses you take in FEP are required and count toward your engineering degree
- Students looking to gain experience above and beyond the typical Introduction to Engineering I and II sequence may apply to participate in the FEP Honors Experience if they are in the Honors College and have AP credit for Calculus I.

## WHY FEP MATTERS

Students who complete the First-Year Engineering Program are better prepared academically, more confident in their major choice, and more connected to the College of Engineering community. FEP exists to help you start strong, stay supported, and move forward with confidence.



Engineering One-Stop (EOS) is the centralized support center for all undergraduate engineering students, enhancing access to academic coaching, peer mentoring, academic advising, study abroad advising, career connections, scholarship and financial counseling, and mental health resources. EOS plays a key role in supporting students in the First-Year Engineering Program (FEP), and partners with FEP and engineering departments to provide guidance, resources, and support throughout your undergraduate experience.

## ADVISING

- Understanding requirements for majors and minors
- Planning courses for future semesters
- Making changes to schedules, such as dropping or adding a class

## SCHOLARSHIP AND FINANCIAL AID COUNSELING

- Learning about various financial aid sources
- Assistance with application process for financial aid
- Understanding how classes and GPA impact scholarship or financial aid eligibility

## COACHING

- Individualized support with adjustment to college
- Developing and improving college-level study habits
- Managing time, priorities, and creating balance

## MENTORING

- Transitioning to college
- Getting involved on campus
- Succeeding as an engineering student

## STUDY ABROAD ADVISING

- Discovering best study abroad programs for future goals
- Understanding the various funding opportunities available for study abroad
- Navigating applying and attending programs abroad

## CAREER CONNECTIONS

- Major and career exploration
- Preparing for job and graduate applications
- Professional development and networking events

## MENTAL HEALTH COUNSELING

- In-house mental health care services available in John White Engineering Hall
- Access to embedded clinician for initial consultations and counseling
- Connect with resources and strategies for short and long-term health



## WHY CONSIDER HONORS?

The Honors College and College of Engineering Honors Program challenges engineering students through a more in-depth academic program that emphasizes critical thinking, collaboration, and inquiry. Honors students work closely with faculty and peers while exploring subjects in greater depth and engaging in research, design, and innovation beyond the standard first-year curriculum. Through specialized honors courses, priority registration, access to funding opportunities, and enhanced academic and professional experiences, the Honors program is especially valuable for students interested in research-focused, academic, or exploratory career paths—but benefits students across a wide range of interests.

## JOINING THE HONORS COLLEGE

Engineering students must be members of the Honors College to enroll in honors courses.

Incoming first year students may qualify through:

- Automatic Admission: **Application was due May 15, 2026**  
28 ACT composite (1310 SAT) and 3.85 high school GPA
- Application Review: **Application was due February 1, 2026**  
3.9 high school GPA

Students who qualify for automatic admission but missed the May 15 deadline will be able to apply during the fall semester. Students who did not initially qualify may apply after completing their first semester so long as they have earned a minimum 3.5 University of Arkansas GPA.

After being admitted into the Honors College, engineering students must fulfill the requirements of the College of Engineering Honors Program to graduate with Engineering Honors. These requirements are:

- Complete **at least 12 hours of honors coursework** at the University of Arkansas (AP or transfer honors credit do not count toward this minimum.)
  - At least 6 of these hours must come from coursework in their intended department
- Participate in an undergraduate research or design experience and prepare a thesis
- Meet any additional departmental requirements
- Maintain a **minimum cumulative GPA of 3.50**

# PEER MENTORING & COACHING

First-year engineering students are supported through Academic Coaching and Peer Mentoring, two complementary programs designed to help students successfully transition to the University of Arkansas and thrive in the College of Engineering.

## ACADEMIC COACHING

Engineering Academic Coaches provide individualized academic support to help students build skills, confidence, and self advocacy while progressing toward degree completion. Coaches work with students to co-create a success plan that considers life experiences, academic goals, and professional aspirations.

### Academic coaching supports students with:

- Effective study techniques and test preparation
- Time management and organization
- Managing test anxiety
- Wellness, balance, and stress management
- Getting the most out of coursework and lectures
- Networking and making campus connections
- Navigating university resources

### Appointments

Students may schedule one on one coaching appointments Monday–Friday or attend weekly drop in hours. Students who benefit from coaching are encouraged to meet 2–4 times per semester, depending on individual goals.

### Group Coaching Requirement

All First-Year Engineering students are required to schedule one Group Coaching meeting to take place during A-Week or the first two weeks of class. Students will schedule this meeting at their orientation session. Group Coaching is a graded component of the GNEG course.

## PEER MENTORING

To support the transition from high school to college, each first year engineering student is paired with an upper class engineering Peer Mentor. Peer Mentors provide guidance based on their own experiences and serve as a resource for academic, professional, and personal development.

Students are **required to meet weekly with their Peer Mentor** throughout the fall and spring semester, as this is a graded component of their GNEG course(s).

### Peer Mentors help students with topics such as:

- Adjusting to college level coursework and expectations
- Time management and effective study habits
- Building relationships with faculty
- Getting involved on campus
- Understanding available academic resources
- Resume building and interview preparation

While Peer Mentors may introduce a topic of the week, meetings are flexible and focused on the student's current needs and questions. During orientation, students complete a survey to be matched with a Peer Mentor based on personal and academic interests.

# LAPTOP REQUIREMENTS



Entering first-year engineering students are required to have a laptop. Students are strongly encouraged to obtain a computer that meets or exceeds the college requirements:

<b>Processor</b>	Intel Core 5 or better
<b>Memory</b>	16GB+ RAM
<b>Storage</b>	1 TB solid-state storage
<b>Operating System</b>	Windows 11
<b>Battery Life</b>	10 hours or more
<b>Resolution</b>	1920 × 1080 or larger
<b>Wi-Fi</b>	802.11ac or later standard
<b>Warranty</b>	3 years with Accidental Damage Protection
<b>Accessories</b>	Bluetooth, Webcam, Microphone, Speakers, and USB-A port or adapter

The Tech Store serves as the on campus resource for Apple and Dell repairs, sales and support. Visit their website for more details. [techstore.uark.edu](http://techstore.uark.edu).

Students have access to a wide range of applications, from multimedia and productivity to mathematics and statistical analysis. You can find a list for information on how to request, purchase and download university-supported software on the IT Services website. [its.uark.edu](http://its.uark.edu)

Tech Spot computer labs are located across campus and offer printing, charging stations and access to a wide range of software.

[its.uark.edu/printing-labs/computer-labs/tech-spot-labs.php](http://its.uark.edu/printing-labs/computer-labs/tech-spot-labs.php)

ATTENTION: Laptops running Windows 11 operating system are highly recommended in all departments in Engineering but required in these departments.

Biomedical Engineering  
Biological Engineering  
Chemical Engineering  
Electrical Engineering  
Mechanical Engineering

NOTE: The University provides Office 365 to students. Chromebooks, iPads, and other ARM based devices do not meet the minimum requirements for the College of Engineering.

<https://its.uark.edu/communication-collaboration/office365/>

# DETERMINING FALL MATH PLACEMENT



Students' schedules will be determined by their math class. Qualifications for each math class can be met by fulfilling one of the requirements in the table below. For more information on the ALEKS Math Placement test, visit [mathplacement.uark.edu](http://mathplacement.uark.edu).

Students who have not completed Calculus II prior to their second year may delay starting discipline-specific courses.

Desired Math Course		Qualification (must meet one of these criteria)			
Number	Name	Prerequisite Course (C or better)	ALEKS Math Placement Score	ACT Math	SAT Math
*MATH 11003 & MATH 00202	College Algebra with 2 hour lab		<30	<19	<510
*MATH 11003 & MATH 00101	College Algebra with 1 hour lab		30	19	510
*MATH 11003	College Algebra		46	22	540
MATH 13004	Precalculus Mathematics	MATH 11003	60	26	620
MATH 24005	Calculus I with Review	MATH 13004 or MATH 12003 <i>Or 2 on the Calculus AB or BC Exam</i>	70	28	660
MATH 24004	Calculus I	MATH 13004 or MATH 12003 <i>Or 2 on the Calculus AB or BC Exam</i>	76	28	660
MATH 25004	Calculus II	MATH 24004 or MATH 24005			
MATH 26004	Calculus III	MATH 25004			
MATH 25804	Differential Equations	MATH 25004			
MATH 26103	Discrete Math	MATH 24004 or MATH 24005			
MATH 30803	Linear Algebra	MATH 24004 or MATH 24005			

*\*All first-year engineering students who qualify for MATH 11003 will not be required to enroll in MATH 00202 or MATH 00101 this fall*

## TEMPORARY MATH OVERRIDES INTO HIGHER COURSE

Some students may qualify for a temporary override into a higher math class than indicated by ACT or math placement scores. Temporary overrides are only granted for:

1. Pending AP credit from Precalculus, Calculus AB, Calculus BC, or IB Calculus exams.
2. Pending transcripts from another institution with college credit for a prerequisite.
3. Pending and verified higher ACT or SAT math scores that have not been sent to Uofa

# BUILDING SUCCESS IN ENGINEERING

Success in the College of Engineering isn't about being the smartest person in the room, it's about the habits and behaviors you build over time. There's no single "type" of student who is guaranteed to succeed in engineering. For us, success is less about raw intelligence and more about day-to-day habits, such as how you manage your time, respond to challenges, and seek support when things feel difficult.

We do not expect our students to be perfect or to know everything right away. We do expect them to be engaged in the process, which means to try, to ask questions, to use resources early, and to take ownership of their learning. Engineering students who do well show up consistently, stay engaged, and keep moving forward even when the work feels challenging. The behaviors below represent patterns we consistently see in students who persist and thrive in the College of Engineering

## **Adopt a Growth Mindset**

- Expect challenges and setbacks
- View mistakes as part of learning, be willing to ask questions and try again
- Stay persistent when concepts take time

## **Manage Your Time Intentionally**

- Attend class, labs, discussions, and supplemental instructions consistently
- Plan ahead for exams, projects, and deadlines
- Treat school like a full time job

## **Seek Assistance**

- Use advising, tutoring, coaching, and office hours
- Ask for help early (not after things pile up)
- Understand that asking for help is a strength (you don't have to do it alone!)

## **Value Math as a Core Engineering Tool**

- Recognize math as foundational to engineering problem-solving
- Expect to practice, struggle, and improve over time
- Focus on building conceptual understanding, not just answers

## **Engage Actively with Learning**

- Practice problems regularly (not just before exams)
- Participate in class, labs, and study groups
- Learn by doing, explaining, and trying again

## **Take Ownership of Their Experience**

- Check email and Blackboard daily
- Know degree requirements and milestones
- Take responsibility for decisions and follow through

# STATE MINIMUM CORE REQUIREMENTS

The University of Arkansas requires common coursework across all undergraduate degrees. All students must complete 35 hours of State Minimum core. These must be completed by graduation and are not direct pre-requisites to any engineering specific courses. The General Education curriculum contains six goals broken down into eleven learning outcomes to prepare students for the challenges and opportunities of the 21st century.

On the next page, we only list courses that satisfy the State Minimum Core requirements while also meeting General Education learning outcomes without adding hours to your engineering degree. Please note the listing assumes students have no incoming credit. Academic advisors will help students determine how incoming credit will fulfill requirements. The listing is dynamic, and subject to change as courses are added and dropped. Students should regularly check the University Course Requirements section of the Catalog of Studies for changes.  
[catalog.uark.edu/undergraduatecatalog/gened/](http://catalog.uark.edu/undergraduatecatalog/gened/)

## ENGLISH

- All engineering degrees require ENGL 10103 and ENGL 10303.
- Students with ACT English scores of 30 or greater or SAT Evidence-Based Reading and Writing scores of 690 or greater are exempt from taking ENGL 10103 and ENGL 10303.

## SOCIAL SCIENCE

- Students must take three Social Science courses of which one must satisfy learning outcome 4.1.
- Courses must be taken from at least two subjects.
- The following degrees require an economics course:
  - Chemical and Mechanical engineering require ECON 21003 or ECON 21403
  - Electrical engineering requires ECON 21003, ECON 22003 or ECON 21403
  - Industrial Engineering and Data Science requires ECON 21403 or both ECON 21003 and ECON 22003
- Students interested in Premed should take SOCI 10103 and PSYC 20003 to prepare for the MCAT.

## HUMANITIES

- All majors EXCEPT Computer Science and Computer Engineering satisfy learning outcomes 3.2 and 5.1 by taking one of the courses listed.
- Computer Science and Computer Engineering require PHIL 31003 Ethics and the Professions.
- Data Science requires DASC 21303 Data Privacy & Ethics.

## ENGLISH (2 COURSES)

- ENGL 10103 Composition I
- ENGL 10303 Technical Composition II

## FINE ARTS (1 COURSE)

- ARCH 10003: Basic Course in the Arts: Architecture Lecture
- ARHS 10003 Basic Course in the Arts: Art Lecture
- COMM 10003 Basic Course in the Arts: Film Lecture
- DANC 10003 Basic Course in the Arts: Movement and Dance
- ENGL 20103 Creative Writing I
- LARC 10003 Basic Course in the Arts: The American Landscape
- MUSC 10003 Experiencing Music
- MUSC 10103 Music and Society
- MUSC 13303 Popular Music
- THTR 10003 Basic Course in the Arts: Theatre Appreciation
- THTR 10103 Musical Theatre Appreciation

## HUMANITIES (1 COURSE)

- CLST 10003 Intro to Classical Studies: Greece
- CLST 10103 Intro to Classical Studies: Rome
- PHIL 20003 Intro to Philosophy
- PHIL 21003 Intro to Ethics
- PHIL 22003 Logic

## HISTORY (1 COURSE)

- HIST 20003 History of the American People to 1877
- HIST 20103 History of the American People 1877 to Present
- PLSC 20003 American National Government

## SOCIAL SCIENCE (1 COURSE TO SATISFY 4.1 OUTCOME)

- ANTH 10203 Intro to Cultural Anthropology
- COMM 10203 Communication in a Diverse World
- GEOG 21003 World Regional Geography
- HDFS 14003 Life Span Development
- HDFS 24103 Family Relations
- HIST 11193 Institutions and Ideas of World Civilizations I
- HIST 11293 Institutions and Ideas of World Civilizations II
- HIST 20903 Animals in World History
- INST 20103 Intro to International and Global Studies
- PLSC 28103 Intro to International Relations
- RESM 28503 Leisure and Society
- SOCI 10103 General Sociology
- SOCI 20103 Social Problems

## SOCIAL SCIENCE (2 COURSES)<sup>1</sup>

- AGEC 11003 Principles of Agricultural Microeconomics
- AGEC 21003 Principles of Agricultural Macroeconomics
- ECON 21003 Principles of Macroeconomics
- ECON 22003 Principles of Microeconomics
- ECON 21403 Basic Economics: Theory and Practice
- GEOG 11103 Human Geography
- HDFS 26003 Rural Families and Communities
- HIST 20003 History of American People to 1877
- HIST 20103 History of American People 1877 to Present
- JOUR 10203 Media and Society
- PLSC 20003 American National Government
- PLSC 20103 Intro to Comparative Politics
- PLSC 21003 State and Local Government
- PSYC 20003 General Psychology
- STEM 20003 Art of STEM Communication

<sup>1</sup>Students may also take additional courses from the Social Science 4.1 groups.

# CREDIT BY ADVANCED-STANDING PROGRAMS



## ADVANCED PLACEMENT PROGRAM (AP)

AP examinations listed below are for classes specific to engineering requirements for State Minimum Core and General Education Requirements. Students will discuss actual and anticipated AP scores one-on-one with an academic advisor during orientation. A complete list can be found in the Academic Regulations section of the Catalog of Studies. [catalog.uark.edu/undergraduatecatalog/](http://catalog.uark.edu/undergraduatecatalog/)

AP Examination	UA Course	Minimum Score
English		
Language and Composition	ENGL 10103	3
Language and Composition	ENGL 101H3	5
Math		
Precalculus	MATH 13004	3
Calculus AB	MATH 24004	3
Calculus AB	MATH 240H4	5
Calculus BC	MATH 24004 & MATH 25004	3
Calculus BC	MATH 240H4 & MATH 250H4	5
Calculus AB Subscore	MATH 24004	3
Statistics	MATH 21003	3
Science		
Biology	BIOL 10103/10101	4
Biology	BIOL 101H3/101H1	5
Chemistry	CHEM 14103/14101 & CHEM 14203/14201	4
Chemistry	CHEM 14103/14101 & CHEM 142H3/142H1	5
Physics 1: Algebra-Based with Cal AB or BC score of 3	PHYS 20304	4
Physics 1: Algebra-Based with Cal AB or BC score of 3	PHYS 203H4	5
Physics C Mechanics	PHYS 20304	3
Physics C Mechanics	PHYS 203H4	5
Physics C, E & M	PHYS 20404	3
Physics C, E & M	PHYS 204H4	5

Fine Arts		
Art History	ARHS 10003	3
Art History	ARHS 100H3	4
Music Theory	MUSC 10003	3
Humanities		
Literature and Composition	ENGL 11103	3
Literature and Composition	ENGL 111H3	5
U.S. History/Government		
U.S. Government and Politics	PLSC 20003	3
U.S. Government and Politics	PLSC 200H3	5
U.S. History	HIST 20003 or HIST 20103	3
U.S. History	HIST 20003 and HIST 20103	5
Social Science		
European History	HIST 11293	3
Government and Politics: Comparative	PLSC 20103	3
Human Geography	GEOG 11103	3
Macroeconomics	ECON 21003	3
Microeconomics	ECON 22003	3
Psychology	PSYC 20003	3
World History	HIST 11193 or HIST 11293	3
World History	HIST 11193 and HIST 11293	5
Other Engineering Course		
Computer Science A	CSCA 20004	3

## INTERNATIONAL BACCALAUREATE (IB) AND COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

Students may also earn college credit by completing IB exams or taking CLEP tests. The University of Arkansas does not award credit for every CLEP exam.

Information on the requirements for the IB exam and CLEP tests can be found in the Academic Regulations section of the Catalog of Studies.

**[catalog.uark.edu/undergraduatecatalog/academicregulations/](http://catalog.uark.edu/undergraduatecatalog/academicregulations/)**

# MATH AND SCIENCE REQUIREMENTS

## MATH REQUIREMENTS

Progression through the math sequence is essential for students to be able to take required sophomore-level engineering courses.

Math Course	Engineering Majors
MATH 24004 Calculus I	Required for All Majors.
MATH 25004 Calculus II	Required for All Majors.
MATH 26004 Calculus III	Required for All Majors EXCEPT Biomedical, Industrial, and Computer Science.
MATH 25804 Differential Equations	Required for All Majors EXCEPT Industrial and Computer Science.
MATH 26103 Discrete Mathematics	Required for Computer Science and Computer Engineering.
MATH 30803 Linear Algebra	Required for Biomedical Engineering and Computer Science.
MATH 31003 Combinatorics	Required for Computer Science.

## SCIENCE REQUIREMENTS

All engineering majors require at least four science courses except Computer Science and Industrial Engineering which only require three. Biological, Biomedical, and Chemical engineering require additional science courses.

Science Course	Engineering Majors
CHEM 14103 University Chemistry I <i>(Lab is not required for engineering students.)</i>	Required for All Majors.
PHYS 20304 University Physics I	Required for All Majors.
CHEM 14203/14201 University Chemistry II with lab	Required for Biological, Biomedical and Chemical Engineering. Science elective for all majors.
PHYS 20404 University Physics II	Required for all majors EXCEPT Civil, Industrial and Computer Science. Science elective for Civil, Industrial and Computer Science.
BIOL 10103/10101 Principles of Biology with lab	Required for Biological and Biomedical Engineering. Science elective for all majors EXCEPT Chemical Engineering.
GEOL 11103/11101 General Geology with lab	Required for Civil Engineering. Science Elective for all majors EXCEPT Biological, Biomedical and Chemical Engineering.

Students pursuing Biological, Biomedical, and Chemical engineering with credit for PHYS 20404 and CHEM 14203/14201 can talk with their academic advisor about other science courses for the fall.

# COURSE SCHEDULING FOR CALCULUS I OR HIGHER

Students who begin in Calculus I are on track with math. The semester schedules below represent two possible alternatives. For most students, we recommend taking one science in the first semester to give more time to focus on math and developing overall college-level study skills. All students will meet one-on-one with an academic advisor to determine the best schedule that also incorporates any incoming credit.

One Science	Two Sciences
GNEG 11101 Introduction to Engineering I	GNEG 11101 Introduction to Engineering I
MATH 24004 Calculus I	MATH 24004 Calculus I
CHEM 14103 University Chemistry I	CHEM 14103 University Chemistry I
State Minimum Core	Science Elective with Lab
ENGL 10103 Composition I	ENGL 10103 Composition I
<b>14 hours</b>	<b>15 hours</b>

## MATH 24004 CALCULUS I

Students enrolled in MATH 24004 Calculus I will choose both a lecture and a corresponding discussion section. The lecture section will meet on Mondays, Wednesdays, and Fridays in a large lecture and will be taught by a professor. Your discussion section will meet on Tuesdays and Thursdays in a small lecture, taught by a graduate student. The discussion section is more conducive to one-on-one student interaction. Discussion attendance is required.

## MATH 24005 CALCULUS I WITH REVIEW

Students may alternatively choose MATH 24005 Calculus I with Review. This class is designed for students who need to review College Algebra and Precalculus skills while mastering Calculus I concepts. Instead of large lecture and small discussion format of MATH 24004, this course has a smaller lecture taught 5 days a week by a professor.

## STUDENTS WITH CALCULUS CREDIT

Students who have or anticipate AP, IB, or transfer credit for Calculus I or higher will discuss their initial math course with an academic advisor.

# COURSE SCHEDULING FOR PRECALCULUS

Students who begin in Precalculus have one additional semester of math.

The fall semester schedules below represent two possible alternatives. Some students will choose to take one science in the fall to give more time to focus on math and developing overall college-level study skills. All students will meet one-on-one with an academic advisor to determine the best schedule that also incorporates any incoming credit.

One Science	Two Sciences
GNEG 11101 Introduction to Engineering I	GNEG 11101 Introduction to Engineering I
MATH 13004 Precalculus	MATH 13004 Precalculus
CHEM 14103 University Chemistry I	CHEM 14103 University Chemistry I
State Minimum Core	Science Elective with Lab
ENGL 10103 Composition I	ENGL 10103 Composition I
<b>14 hours</b>	<b>15 hours</b>

It's important for students to start in the math course that is right for them. We provide students with information on how math progress impacts science progress, eligibility for major-specific courses and ultimately degree progress so they can make an informed choice. By starting in Precalculus students may extend graduation by one or two semesters depending on their chosen major.

## MATH OPTIONS TO CONSIDER

1. Begin in Precalculus this fall
  - Consider taking a math course next summer at UofA or local college
2. Attempt to place into Calculus I this fall
  - Take ALEKS math placement exam to improve math preparedness and attempt to qualify for Calculus I
  - If time permits, take Precalculus or Plane Trigonometry this summer at UofA or local college

Students will talk with with an academic advisor at orientation about options for this summer and fall. During the academic year, students will continue to learn about math progress to help make informed decision for next summer.

# COURSE SCHEDULING FOR COLLEGE ALGEBRA

Students who begin in College Algebra have two additional semesters of math.

The fall semester schedules below represent two possible alternatives. All students will meet one-on-one with an academic advisor to determine the best schedule that also incorporates any incoming credit.

One Science	No Science
GNEG 12001 Success in Engineering Study	GNEG 12001 Success in Engineering Study
MATH 11003 College Algebra <sup>1</sup>	MATH 11003 College Algebra <sup>1</sup>
Science Elective with lab (4 hours)	State Minimum Core Elective (3 hours)
State Minimum Core Elective (3 hours)	State Minimum Core Elective (3 hours)
ENGL 10103 Composition I	ENGL 10103 Composition I
<b>14 – 16 hours<sup>1</sup></b>	<b>13-15 hours<sup>1</sup></b>

Students who are in the College of Engineering and are eligible to begin in **College Algebra (MATH 11003) in the fall semester are not required to enroll in a co-requisite lab**, regardless of their math placement scores.

To support students as they build both math and engineering foundations, MATH 11003 is intentionally paired with **GNEG 12001**, an introductory engineering course only offered in fall semesters. Students take these courses together as part of a cohort, which helps strengthen the connection between math and engineering concepts while also fostering a sense of community.

It's important for students to start in the math course that is right for them. We provide information on how math progress impacts science sequencing, eligibility for major-specific courses, and overall degree progress so students can make an informed choice. By starting in College Algebra, students may extend their time to graduation by **at least two semesters**.

## MATH OPTIONS TO CONSIDER

1. Begin in College Algebra this fall
  - Consider taking a math course next summer at UofA or local college
2. Attempt to place into Precalculus this fall
  - Take ALEKS math placement exam to improve math preparedness and attempt to qualify for Precalculus
  - If time permits, take College Algebra this summer at UofA or local college
3. Attempt to place into Calculus I this fall
  - Take ALEKS math placement exam to improve math preparedness and attempt to qualify for Calculus I

Students will talk with orientation academic advisor about options for this summer and fall. During the academic year, students will continue to learn about math progress to help make informed decision for next summer.

# SUMMER TEMPORARY MATH OVERRIDE PROCESS

Some students may qualify for a temporary override into a higher math class and possibly other courses than indicated by ACT, SAT or math placement scores.

Temporary overrides are only granted for:

1. Pending AP credit from Precalculus, Calculus AB, Calculus BC, or IB Calculus exams.
2. Pending transcripts from another institution with college credit for a prerequisite.
3. Pending and verified higher ACT or SAT math scores that have not been sent to UofA

## **Students who are granted a temporary override consent to an agreement to have the pre-requisites posted to their student account by Friday, July 31.**

- Students will be administratively dropped from classes associated with the override if pre-requisites are not on file by the Friday, July 31 deadline.
- Email communication about overrides will be sent to the students UARK email address.

## **FOR OVERRIDES BASED ON AP OR IB CREDIT**

- Students need to confirm with College Board, collegeboard.org, and IB that test scores are being sent to the University of Arkansas.
- In July, students need to confirm that they have earned the minimum AP test scores needed to meet requirements for math override. See page 14-15 for minimum scores needed.

## **FOR OVERRIDES BASED ON COLLEGE CREDIT**

- Students should confirm that they have paid to send official transcripts from the college or university where credit has been earned. Information on sending transcripts can be found on the Registrar's website [registrar.uark.edu/transfer-and-test-credit/](http://registrar.uark.edu/transfer-and-test-credit/)
- It is NOT the responsibility of the high school to send transcripts for students who received college credit through dual enrollment.

## **CONFIRMING THAT TEST SCORES OR TRANSCRIPTS HAVE BEEN RECEIVED**

- Students can view their posted transfer credit in Workday Student. From the homepage, click on the Profile Icon in the upper right hand corner and select **View Profile**. Click on **Academics** on the left-hand side, and then **Transfer Credit** at the top of the page to view all incoming Dual Credits, Transfer Credits, and AP/IB scores.
- For students who meet the requirements and transcripts or test scores have been received by the UofA by the deadline, no further action is needed.

## **FOR OVERRIDES WHERE THE FINAL REQUIREMENTS ARE NOT MET**

- Students will receive an email on Monday, August 3 notifying them that they will be administratively dropped from any classes they are enrolled in but not eligible for.
- Students should see pages 17-19 for schedules based on math they will now qualify for.
- Students who qualify for a math class lower than Calculus I are encouraged to take the online math placement test at [mathplacement.uark.edu](http://mathplacement.uark.edu)
- Classes begin on Monday, August 17 and the final day to add a full semester classes is Friday, August 21

## **QUESTIONS ABOUT OVERRIDES OR CLASS SCHEDULE**

Students should contact EOS by phone 479-575-4540 or send an email from their UARK email to eos@uark.edu

# ADVISING



Academic advising is an active, ongoing exchange between students and their advisors. Your advisor can help you explore programs of studies, understand academic policies and procedures, select appropriate classes, and ensure you are meeting the requirements for your degree. Your advisor can also help you connect with university resources, make thoughtful decisions related to your academic experiences, and maximize educational and career opportunities.

## DURING ORIENTATION

All students will learn about engineering curriculum then meet one-on-one with an academic advisor to plan classes. Students do not have to decide on a specific engineering major at this time. Academic advisors will help students select classes that meet requirements for multiple engineering majors.

We encourage students to explore the various engineering disciplines we offer in the College of Engineering. You can learn more about each discipline on our website here, which will provide valuable insights as you start thinking about the field that interests you most.



## NEED HELP AFTER ORIENTATION?

We will assign academic advisors by August for students attending summer orientation and mid-January for students attending January orientation. If students need assistance before their academic advisor has been assigned, they can contact Engineering One-Stop by phone at 479-575-4540 or email at [eos@uark.edu](mailto:eos@uark.edu) to get connected to an advisor. We will also hold walk-in advising hours during the first week of classes in the fall and spring from 9:00 am - 11:30 am and 1:00 pm - 4:00 pm to help with schedule changes or other scheduling concerns. We will notify students via email and Blackboard about the walk-in advising process.

## SHARED ADVISING MODEL

The College of Engineering engages in a shared advising model to assist students in building a strong academic support network throughout their collegiate experience. Students are assigned to either a FEP or EOS academic advisor in the fall semester with most students being assigned to an EOS academic advisor in the spring semester. Depending on their chosen major and course trajectory, students will begin meeting with a faculty advisor in their academic department after 1-2 years of study.

# REGISTRATION INSTRUCTIONS



For more assistance and instructions with Workday Student **after orientation**, you can use the QR code in the upper right hand corner or go to <https://projectone.uasys.edu/workday-training-for-students/>. For additional assistance, students can email their academic advisors or contact Engineering One-Stop at eos@uark.edu or 479-575-4540.

To start the registration process, follow the steps below.

1. Start by going to **myapps.uark.edu** and clicking on the blue Workday Icon.



a. You may need to sign in using your university login and password.

2. Click the **Global Navigation Menu** on the left-hand side.



3. Select **Academics Hub**.

4. Check on **My Holds**

a. If you have any **UAF holds**, make sure you take action to remove them. If you have questions, please raise your hand so that one of our orientation mentors can assist you.



5. Click the **Planning and Registration tab** on the left-hand side.

6. Click on **Current Classes**

a. Review the courses you are already enrolled in. You might consider clicking on **Calendar View** to get an idea of when these courses are offered.

b. If you are enrolled in courses you are not planning to take, next to the course, select **Action** and then **Drop**.

7. Click on **My Academic Plan** and then you'll either select **Update Plan** or Create **Academic Plan**.

a. If you need to select **Create Academic Plan**, input the following information.

- Academic Record: Engineering First-Year
- Academic Plan Template: Leave this blank
- Click OK

8. Under the **UAF Fall 2026 (08/17/2026-12/11/2026)** section, click on the + to add a row.
  - a. In the first row, under the **Course** section, type in the courses your advisor told you to add (ex: MATH 24004, GNEG 11101, SOCI 10103), etc.
  - b. Repeat adding rows with + until you have entered in all of your courses.
  - c. Once you have finished, click the OK button on the bottom left corner.

UAF Fall 2025 (08/18/2025-12/12/2025) 1 Items (1 units)

	Academic Requirement	Course	Units	Status
+ / -	<input type="text"/>	<input type="text" value="GNEG 11101 - INTRO TO ENGR I"/>	1	Eligible to Enroll

9. Click on the **Register from Plan** button
  - a. If you do not have the Register from Plan button, please raise your hand so one of our orientation mentors can assist you.

Register from Plan

View Saved Schedules

Create Saved Schedule

Create Alternate Plan

10. Click on each course on the left-hand side and choose your desired times and dates for each course. You are only able to choose up to 1 lecture section for each course. You may need to choose one lecture section, one discussion section, and/or one lab section depending on the course(s) you are registering for.

- a. You may receive red Error Messages or yellow Alerts as you are Selecting sections. Make sure to click on the error message to get information on how to adjust.



**4 Errors**

**b. Common Errors**

- **Time Conflict/Overlap** - one of the course section lecture, discussions, or labs conflict in time. You'll need to select different sections.
- **Closed Section** - this section is closed and has no more seats available. You'll need to select different sections or a different course.
- **Eligibility Requirements** - if your advisor told you to enroll in this course and you are getting this error, raise your hand so that one of our orientation mentors can assist.

11. Once you have made all of your selections, click the **Register** button.

12. If you were given a blue checkmark and the course was listed under Successful Registrations, you are successfully enrolled in the course. If your registration was Unsuccessful, or you run into any errors, please raise your hand so one of our orientation mentors can assist you.



**Successful Registrations**

# DURING ORIENTATION CHECKLIST

Before I am finished with my new student orientation session, I have . . .



## MATH PLACEMENT

- Confirmed my math placement
- I understand which math course I am eligible to start in
- If I was granted a temporary math override, I understand how to submit my missing pre-requisites and that I need to do so by \_\_\_\_\_
- If I am enrolled in College Algebra or Precalculus and plan to take the ALEKS Placement Exam, I understand it's recommended to take a proctored attempt by \_\_\_\_\_

## SCHOLARSHIPS & FINANCIAL AID

- If I am an Arkansas resident, I have consulted with the Engineering Financial Aid/Scholarship Counselor about the Arkansas Academic Challenge Scholarship
- For any follow up questions about financial aid or scholarships, I know I can email [engrfin@uark.edu](mailto:engrfin@uark.edu) or call the main office at 479-575-3806

## COMPLETED ITEMS FOR MY GNEG GRADE

- Completed the Peer Mentor Match Survey \_\_\_\_\_ 
- Scheduled my required Group Coaching appointment \_\_\_\_\_ 
  - ▶ *Date/Time:* \_\_\_\_\_
  - ▶ *Location:* \_\_\_\_\_



## ACADEMIC ADVISING

- Registered for all my fall semester courses
- Confirmed who my academic advisor is:
  - ▶ *Academic Advisor Name:* \_\_\_\_\_
  - ▶ *Academic Advisor Email:* \_\_\_\_\_
- Confirmed who to contact if I have questions after orientation
  - ▶ *Email Engineering One-Stop at [eos@uark.edu](mailto:eos@uark.edu) or call us at 479-575-4540*

# REMINDERS FOR AFTER ORIENTATION

If you registered for College Algebra or Precalculus today, we strongly encourage you to take the Math Placement Test to increase your math preparedness and possibly your starting math class for the fall.



## FRIDAY, JULY 31

Deadline for transcripts to be received for students granted a temporary math override

## MONDAY, AUGUST 10

Students can attend Engineering Open House during the University of Arkansas's A-Week to meet faculty, staff, and peers and prepare for the first week of classes.

## IMPORTANT ACADEMIC CALENDAR DATES

Every semester has an official calendar with important academic semester dates and deadlines. We have listed important dates and deadlines for the beginning of the fall semester. Students can view the full semester calendar on the Registrar's website.

[registrar.uark.edu/academic-dates/academic-semester-calendar/](http://registrar.uark.edu/academic-dates/academic-semester-calendar/)

## MONDAY, AUGUST 17

First day of classes

## FRIDAY, AUGUST 21

Last day to add a full semester class or swap courses

## SUNDAY, AUGUST 23

Last day to drop a full semester class or all classes with 100% fee adjustment (\$45 fee for withdrawing)

## FRIDAY, AUGUST 28

Last day to drop a full semester class without a "W" on transcript

## MONDAY, SEPTEMBER 7

Labor Day, no classes

## OCTOBER

Fall Break, October 12-13

## NOVEMBER 25-27

Thanksgiving Break, no classes

## DECEMBER 7-11

Final Exams

Continue to check your **university email account** regularly over the summer.

Visit the **Tech Store website** for all technology sales, repairs and support needs

***techstore.uark.edu***

## **I M P O R T A N T   D A T E S**

**Friday, July 31**

Deadline for Math Overrides

**Monday, August 10**

**1:00 - 3:00 pm**

College of Engineering Open House

**Monday, August 17**

First Day of Classes

**Friday, August 21**

Last Day to add a full semester course



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