

Find your future here

Orientation 2020

ASU Ira A. Fulton Schools of
Engineering
Arizona State University



Are you ready to start at the **Fulton Schools**?



Homework Zero

Let's get started

Homework Zero is your first assignment as a Fulton Schools student. Homework Zero supports you through the transition to becoming a successful college student — from getting connected with your major to meeting faculty members and staff before you even start your classes. You'll also engage with peer mentors and discuss the transition to college life with current undergraduate students who were in your shoes not too long ago. Homework Zero helps you get to know the learning management systems you will use as an ASU student. You'll even practice your prototyping and problem-solving skills as you begin your journey toward an engineering career.

Homework Zero is also your first project for ASU 101 — you'll be graded on it later. Today at orientation you'll learn more about how to start Homework Zero, the assignment timeline and get answers to your key questions.

Register for E2

Time for an adventure

Build upon the discussions you had and problems you solved in Homework Zero at E2 — a three-day, two-night adventure with your peers to welcome you into the Fulton Schools community. At E2, you will meet peer mentors and other current undergraduate students, faculty and staff, connect with other incoming Fulton Schools students in your school, and learn skills that will be important to your success as a Fulton Schools student through a variety of fun and interactive activities. Build camaraderie, find resources, practice working as a team and get ready to have fun!

e2.engineering.asu.edu

Grand Challenges Scholars Program:

A local community prepares to solve global challenges

Ready to solve society's biggest challenges? The Grand Challenges Scholars Program, recognized by the National Academy of Engineering, prepares you to collaborate and succeed in a transdisciplinary and global environment to solve 21st-century challenges.

By combining academic and extracurricular activities, scholars pursue research or creative projects related to a grand challenges theme — such as health, security, sustainability or joy of living. Scholars also complete related interdisciplinary coursework, gain multicultural awareness, engage in entrepreneurship and give back to the community through service-learning. The program provides access to unique opportunities and experiences, including faculty mentorship, funding to support research and a course just for GCSP scholars, FSE 150: Perspectives on Grand Challenges for Engineering, with specially designed curriculum and exclusive access to guest speakers. The preliminary course will set you up with a plan of study for completing the competencies of NAE GCSP.

As a GCSP scholar, you also have the opportunity to live with like-minded students in the Tooker House GCSP neighborhood. In this community within a community, you'll receive enhanced support in completing GCSP requirements, special opportunities to meet with GCSP faculty and staff, as well as space to form study groups and work together with your peers on GCSP projects.

Upon completion of this multi-year program, you will achieve the distinction of Grand Challenges Scholar, endorsed by both ASU and NAE, and have the skills and experience to solve global grand challenges in engineering.



If you share our focus on the societal impact of engineering or want to dive into an innovative educational environment, join the **Grand Challenges Scholars Program**.

gcsp.engineering.asu.edu

Your first step at ASU: Academic Advising

When meeting with an advisor, come prepared with any questions you may have regarding courses (for example, what a course is about, any prerequisites you may need or how often a course is offered), degree requirements, academic policies and procedures as well as broader concerns such as career and graduate school options.

advising.engineering.asu.edu

Student responsibility

- Recognize that advising is a shared responsibility and accept final responsibility for all decisions.
- Clarify personal values, abilities and goals.
- Be knowledgeable about degree requirements.
- Prepare for advising sessions and bring relevant materials when contacting the advisor.
- Contact and make an appointment with the advisor when required or when in need of assistance.
- Become knowledgeable about policies, procedures and requirements such as add/drop deadlines, graduation and general education policies.
- Become knowledgeable about university tools and resources like DARS and class search to support course selection and degree planning.
- Check ASU email regularly for communication from your college and advisor.
- Be familiar with university and college policies, procedures and guidelines.
- Be familiar with and adhere to advising office policies.

Advisor role

- Encourage your self-direction and understanding of personal responsibilities.
- Are dedicated to the advising process and exhibit a caring attitude toward advisees.
- Are accessible to students during office hours.
- Help students clarify career/life goals as well as education goals.
- Are familiar with institutional regulations, policies and procedures especially as they relate to academic and/or graduation requirements.
- Monitor progress toward educational and career goals.
- Assist students in selecting a realistic and appropriate set of courses that reflect individual interests and abilities.
- Assist students in decision-making skills.
- Refer students to other appropriate campus resources.
- Participate in advisor training sessions to keep informed and current.

Tutoring Center

Your peers are here to help!

The **Fulton Schools Tutoring Centers** provide academic support in the form of free, drop-in tutoring with experienced Fulton Schools students who have taken your classes. Tutors can help you with physics, math, computer science and other engineering disciplines. They can help in person at several Tempe campus locations, as well as online through virtual tutoring if you're located at the Polytechnic campus or off-campus.

The Tutoring Centers also offers a student-led tutoring program called Success Nights @ Tooker House. Students taking key first- and second-year Fulton Schools courses can work in small groups to improve study skills, understand course material and get support on homework.

Learn more about how the Fulton Schools Tutoring Centers support your success

tutoring.engineering.asu.edu



Credit by examination

AP, CLEP or IB & Dual Enrollment Credit

- Notify your advisor at orientation about what AP credits you have or intend to have.
- When taking AP exams, specify that you want the scores sent to Arizona State University.
- It is your responsibility to inform your advisor of AP exam scores once they are received in the mail.
- After notification, your advisor will work with you on adjusting your schedule.
- Visit catalog.asu.edu/credit_exam to find out about IB and CLEP scores.



Common AP exams and the scores needed to receive credit at ASU

Examination	Score	Semester Hours	Equivalency
Biology	5, 4 or 3	8 4	BIO 181, 182 BIO 100
Chemistry	5 4	8 4	CHM 113, 116 CHM 113
Computer Science A	5 or 4	3	CSE 110 or SER 100
Economics — Macro	5 or 4	3	ECN 211
Economics — Micro	5 or 4	3	ECN 212
English — Lang and Comp	5 or 4	3	Placement into ENG 105 and elective credit (3). Transfer students who have credit for ENG 102 and who completed the exam (with a score of 4 or 5) prior to enrolling in ENG 102 may receive ENG 101 credit for the exam.
English — Lit and Comp	5 or 4	3	
History — American	5 or 4	6	HST 109 and 110
History — European	5 or 4	6	HST 103 and 104
History — World	5 or 4	6	HST 101 and 101
Math — Calc AB	5, 4 or 3	4	MAT 265
Math — Calc BC	5, 4 or 3	8 4	MAT 265, 266 MAT 265
Political Science — Compar Gov & Pol	5 or 4	3	POS 150
Psychology	5 or 4	3	PSY 101 or PGS 101
Statistics	5, 4 or 3	3	STP 226

Dual Enrollment Courses (college courses taken while in high school)

Student "To Do" tasks:

1. Request final college transcripts be sent to ASU (these will not come from your high school)
2. Run your Graduation Audit (**DARS**) – link from your "My ASU>My Programs>Degree Progress" link to see how dual enrollment credits apply to your ASU degree program
3. Meet with your academic advisor if you have any questions

catalog.asu.edu/credit_exam

How to enroll in classes: my.asu.edu

1 Sign in

Type in your ASURITE User ID and password. Then click Sign In.

ASURITE User ID: sparky123 Activate or request an ID

Password: ***** Forgot ID / password?

Sign In Remember my user ID

1.1 Click Class Search.

My Classes

Summer '17 | Fall '17 | Spring '18 | Summer '18 | Fall '18

You are not registered for classes in the Fall 2018 term. Use the Class Search link below to find classes.

Registration | **Class Search** | Books | Blackboard | Grades & Transcripts

2 Search class

Type in a class subject, number and select a location. Then click search.

2.1 Clicking Advanced Search will show a pop-up where you can search for General Studies and Awareness classes.

Visit engineering.asu.edu/advising/registration to see a suggested list of HU/SB courses.

Class Search | Course Catalog Search | View My Schedule | Registration | Schedule Planner

Spring 2019 | Subject | Number | Search by keyword

Clear Filters | **Advanced Search**

Session | Location | Open Classes | All Classes

3 Add class

Click Add to add the class to your schedule.

Course	Title	Class#	Instructor	Days	Start	End	Location	Dates	Units	Seats Open	GS	
MAT 265	Calculus for Engineers I	14987	Fulman	MWF	10:45 AM	11:35 AM	Tempe - SS229	01/07 - 04/26(C)	3	10 of 75	MA	Add

3.1 Hovering over the green triangle will show a pop-up with special information for reserving the class. Look at all the categories to see if one applies to you.

Course	Title	Class#	Instructor	Days	Start	End	Location	Dates	Units	Open	GS	
MAT 265	Calculus for Engineers I	14987	Fulman	MWF	10:45 AM	11:35 AM	Tempe - SS229	01/07 - 04/26(C)	3	10 of 75	MA	Add

3.2 If there is a green circle proceed with adding the class.

MAT 265 15715 (C)

Reserved Available Seats	Students Enrolled	Total Seats Reserved	Reserved Until
4	0	4	01/23/2020

Pathway non-degree students
Non Reserved Available Seats: 0

Course	Title	Class#	Instructor	Days	Start	End	Location	Dates	Units	Open	GS	
MAT 265	Calculus for Engineers I	14987	Fulman	MWF	10:45 AM	11:35 AM	Tempe - SS229	01/07 - 04/26(C)	3	10 of 75	MA	Add

4 Proceed

Check that the information in your cart is correct.
Click Proceed to Step 2 of 3.

The screenshot shows the 'Add Classes' interface. At the top, there are navigation links: Search, Enroll, My Academics, My Class Schedule, Add, Drop/Withdraw, Swap, Edit, and Term Information. Below these is a progress indicator with steps 1, 2, and 3, where step 1 is active. The main heading is '1. Select classes to add'. A sub-heading says 'To select classes for another term, select the term and select Change. When you are satisfied with your class selections, proceed to step 2 of 3.' Below this is a 'Change Term' button and the text '2019 Spring | Undergraduate | Arizona State University'. A status bar shows 'Reserved' (yellow triangle), 'Open' (green circle), and 'Closed' (blue square). The 'Add to Cart' section has an 'Enter Class Nbr' input field and an 'Enter' button. The 'Find Classes' section has a 'Class Search' radio button, a 'Search' button, and a 'show class blocks available to me' button. A '2019 Spring Shopping Cart' table is displayed with the following data:

Delete	Class	Days/Times	Room	Instructor	Units	Status
	MAT 265-1006 (14987)	MoWeFr 10:45AM - 11:35AM	Social Sciences 229 (Tempe)	I. Fulman	3.00	

At the bottom right of the main area is a 'Proceed to Step 2 of 3' button. A separate 'Add to Cart' section at the bottom right shows the 'Enter Class Nbr' input field and 'Enter' button again.

4.1

If you know the five-digit class number of another class you wish to enroll in, you can type it here. Click Enter to add the class.

5 Finish enrolling

Confirm the classes you have added.
Click Finish Enrolling.

The screenshot shows the 'Add Classes' interface at step 2. The heading is '2. Confirm classes'. A sub-heading says 'Select Finish Enrolling to process your request for the classes listed. To exit without adding these classes, select Cancel.' Below this is the text '2019 Spring | Undergraduate | Arizona State University' and a status bar with 'Reserved', 'Open', and 'Closed' indicators. A table lists the classes to be confirmed:

Class	Description	Days/Times	Room	Instructor	Units	Status
MAT 265-1006 (14987)	Calculus for Engineers I (Lecture)	MoWeFr 10:45AM - 11:35AM	Social Sciences 229 (Tempe)	I. Fulman	3.00	

At the bottom are three buttons: 'Cancel', 'Previous', and 'Finish Enrolling'. A red arrow points to the 'Finish Enrolling' button.

6 Check the status

Check the status of your enrollment by looking for the green check mark.
Congratulations, you are now enrolled.

3. View results

View the following status report for enrollment confirmations and errors

The screenshot shows the status report for enrollment. It displays '2019 Spring | Undergraduate | Arizona State University'. There are two status indicators: a green checkmark for 'Success: enrolled' and a red X for 'Error: unable to add class'. Below this is a table with the following data:

Class	Message	Status
CSE 494	Error: Department Consent Required. You must obtain permission to take this class.	

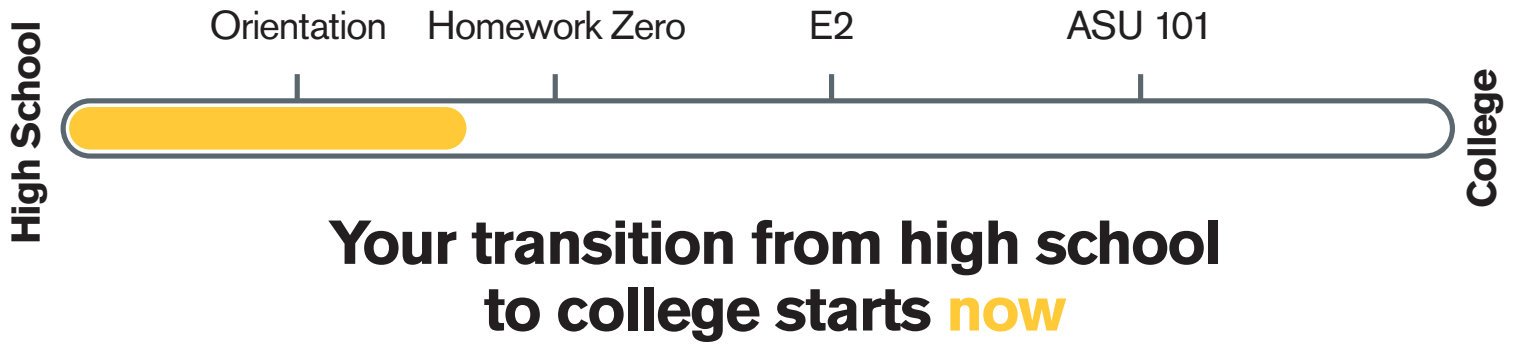
At the bottom are two buttons: 'My Class Schedule' and 'Add Another Class'. A red arrow points to the red X in the status column.

6.1

If you receive a red X under status there has been an error. Review the details listed with the error and speak with your advisor.



Know how college is different



High School	College
Going to classes	Succeeding in classes
High school is mandatory and usually free.	College is voluntary and you will pay tuition and fees.
Your time is structured by others.	You manage your own time.
You need permission to participate in extracurricular activities.	You must decide whether to participate in cocurricular activities.
You can count on parents and teachers to remind you of your responsibilities and to guide you in setting priorities.	You must balance your responsibilities and set priorities. You will face moral and ethical decisions you have never faced before.
You are not responsible for knowing what it takes to graduate.	Graduation requirements are complex and differ from year to year. You are expected to know those that apply to you.
Most of your classes are arranged for you.	You arrange your own schedule in consultation with your advisor. Schedules tend to look lighter than they really are.
The school year is 36 weeks long; some classes extend over both semesters and some don't.	The academic year is divided into two separate 15-week semesters, plus a week after each semester for exams.
Each day you proceed from one class directly to another, spending six hours each day — 30 hours a week — in class.	You often have hours between classes; class times vary throughout the day and evening, and you spend only about 15 hours each week in class.
You may study outside class as little as zero to two hours a week, and this may be mostly last-minute test preparation.	You need to study at least three hours outside of class for each hour in class. $15 \text{ credits} \times 3 = 45 \text{ hours of studying}$, $45 + 15 \text{ in class hours} = 60 \text{ total hours dedicated to courses}$.
You seldom need to read anything more than once and sometimes listening in class is enough.	You need to review class notes and text material regularly. You are assigned substantial amounts of reading and writing, which may not be directly addressed in class.
Classes generally have no more than 35 students.	Classes may number 100 students or more.
Guiding principle: You will usually be told in class what you need to learn from assigned readings.	Guiding principle: You are expected to take responsibility for what you do and do not do, as well as for the consequences of your decisions. It is up to you to read and understand the assigned material; lectures and assignments proceed from the assumption that you have already done so.

High School	College
Teachers	Professors
Teachers check your completed homework.	Professors may not always check completed homework, but they will assume you can perform the same tasks on tests.
Teachers remind you of your incomplete work.	Professors may not remind you of incomplete work.
Teachers approach you if they believe you need assistance.	Professors are usually open and helpful, but most expect you to initiate contact if you need assistance.
Teachers are often available before, during or after class.	Professors expect and want you to attend scheduled office hours.
Teachers have been trained in teaching methods to assist in imparting knowledge to students.	Professors have been trained as experts in their particular areas of research.
Teachers provide you with information you missed when you were absent.	Professors expect you to get from classmates any notes from classes you missed.
Teachers present material to help you understand the material in the textbook.	Professors may not follow the textbook. Instead, to amplify the text, they may give illustrations, background information or discuss research about the topic. They may expect you to relate the class to the textbook readings.
Teachers often write information on the board for you to copy in your notes.	Professors may lecture nonstop, expecting you to identify the important points in your notes. When professors write on the board, it may be to amplify the lecture, not to summarize it. Good notes are a must.
Teachers impart knowledge and facts, sometimes drawing direct connections and leading you through the thinking process.	Professors expect you to think about and synthesize seemingly unrelated topics.
Teachers often take time to remind you of assignments and due dates.	Professors expect you to read, save and consult the course syllabus (outline); the syllabus spells out exactly what is expected of you, when it is due and how you will be graded.
Teachers carefully monitor class attendance.	Professors may not formally take roll, but they are still likely to know whether or not you attended.
Guiding principle: High school is a teaching environment in which you acquire facts and skills.	Guiding principle: College is a learning environment in which you take responsibility for thinking through and applying what you have learned.
Tests	Tests
Testing is frequent and covers small amounts of material.	Testing is usually infrequent and may be cumulative, covering large amounts of material. You, not the professor, need to organize the material to prepare for the test. A particular course may have only two or three tests in a semester.
Makeup tests are often available.	Makeup tests are seldom an option; you need to request them.
Teachers frequently rearrange test dates to avoid conflict with school events.	Professors in different courses usually schedule tests without regard to the demands of other courses or outside activities.
Teachers frequently conduct review sessions, pointing out the most important concepts.	Professors rarely offer review sessions, and when they do, they expect you to be an active participant, one who comes prepared with questions.
Guiding principle: Mastery is usually seen as the ability to reproduce what you learned in the form in which the teacher presented it to you, or to solve the kinds of problems you learned how to solve.	Guiding principle: Mastery is often seen as the ability to apply what you've learned to new situations or to solve new kinds of problems.
Grades	Grades
Grades are given for most assigned work.	Grades may not be provided for all assigned work.
Consistently good homework grades may raise your overall grade when test grades are low.	Grades on tests and major papers usually provide most of the course grade.
Extra credit projects are often available to help you raise your grade.	Extra credit projects cannot, generally speaking, be used to raise a grade in a college course.
Initial test grades, especially when they are low, may not have an adverse effect on your final grade.	Watch out for your first tests. These are usually “wake-up calls” to let you know what is expected — but they also may account for a substantial part of your course grade. You may be shocked when you get your grades.
You may graduate as long as you have passed all required courses with a grade of D or higher.	You may graduate only if your average in classes meets the departmental standard — typically a 2.0 or C.
Guiding principle: Effort counts. Courses are usually structured to reward a “good-faith effort.”	Guiding principle: Results count. Though “good-faith effort” is important in regard to the professor’s willingness to help you achieve good results, it will not substitute for results in the grading process.

Think **big picture**: Make the most of your next 4 years

Connect and engage to succeed

first-year

Barrett, The Honors College
Career Exploration Night
E2
Entrepreneurship + Innovation
EPICS

eSpaces and other makerspaces
FSE 100, ASU 101
Grand Challenge Scholars Program
Innovation Hub
Student organizations

Tutoring
Undergraduate research, FURI

second-year

Accelerated 4+1 Programs
ASU 101 Section Leaders
Barrett, The Honors College
Certifications
Entrepreneurship + Innovation

EPICS
Grand Challenge Scholars Program
Internships
Mentor experiences
Peer Mentors
Student organizations
Study abroad

Technical competitions
Tutoring
Undergraduate research, FURI
Undergraduate Teaching Assistants

ASU robots are ready to rumble

The ASU Rossum Rumlbers Robotics club members are world champion robot builders. Fulton Schools students strategize and develop robots to solve whatever challenges robotics competitions present to them. Communication and technical skills are key to their success in the VEX Robotics World Championship — the largest robotics competition in the world — as well as in solving local challenges, helping their peers develop skills and inspiring others through robotics.



See where you can be your third and fourth years

Who engineers the world? Girls!

ASU's Society of Women Engineers chapter is a catalyst for change for women in tech. The group empowers not only members but also young girls and boys to see themselves as engineers through the annual GEAR Day event, an outreach activity filled with interactive activities and hands-on design challenges. Fulton Schools students teach 2nd to 12th graders new skills and demonstrate how engineers and scientists impact everyday life — inspiring young students to tackle some of today's biggest problems with engineering.



Take engineering off-road

The ASU Baja Society of Automotive Engineers team creates off-road racing cars and competes in international Baja SAE competitions. Fulton Schools students work together and put their skills to the test to design, simulate, build and race a Baja car against university teams from around the world. It's a fun and valuable experience for students to work with engineering industry professionals and gain practical, well-rounded skills that prepare them for all kinds of careers.





Get involved

Join an organization or team

Project-based and competitive teams

AIGA Poly
Air Devils
American Concrete Institute
American Institute of Chemical Engineers (AIChE)
American Helicopter Society (Vertical Flight Society)
American Society of Civil Engineers (Concrete Canoe)
American Society of Mechanical Engineers
Arizona's SpaceX Hyperloop Competition Team
Daedalus: Sun Devil Rocketry
Desert WAVE
Helios Rocketry
Human Factors and Ergonomics Society
Institute of Transportation Engineers
Material Advantage
Mechanical-Autonomous Vehicles Club
MobileDevs
NASA Space Grant Robotics (Underwater Robotics)
Next Level Devils
Rossum Rumlbers Robotics (RRR)
SAE Electric
SAE Formula – Sun Devil Motorsports
SEDS Rocketry
Society of Automotive Engineers Aero Design (SAE Aero)
Sun Devil Racing
Sun Devil Racing (Baja)
Sun Devil Robotics
Sun Devil Satellite Laboratory
Sunhacks

Honors societies

Alpha Eta Mu Beta
Chi Epsilon
Eta Kappa Nu (Electrical Engineering Honors Society)
Sigma Lambda Chi (Construction Honor Society)
Tau Beta Pi
Theta Tau

Professional societies

American Institute of Aeronautics and Astronautics
American Institute of Steel Construction (Steel Bridge)
Arizona State University Linux User's Group (ASULUG)
Biomedical Engineering Society
CodeDevils
Construction Management Association of America
Design-Build Institute of America
Fulton Ambassadors (Tempe)
Fulton Ambassadors (Poly)
Fulton Student Council
Fulton Student Veterans Organization (FSVO)
Geo-Institute Graduate Student Organization
Institute for Operations Research and Management Science
Institute of Electrical and Electronics Engineers
Institute of Industrial and Systems Engineers
Software Developers Association
Society of Petroleum Engineers
SSEBE Ambassadors

Global engagement

Engineers Without Borders (EWB)
GlobalResolve Club
Society of Water and Environmental Leaders

Diversity

Advancing Women in Construction (AWIC)
American Indian Science and Engineering Society
Construction in Indian Country
Latinos in Science and Engineering (MAES)
National Society of Black Engineers (NSBE)
NSBE-Poly
Phi Sigma Rho

Society of Asian Scientists and Engineers (SASE)
Society of Hispanic Professional Engineers (SHPE)
Society of Women Engineers (SWE)
Women in Aviation
Women in Computer Science (WiCS)
Women in Science and Engineering (WISE)

Get more from your degree

One of our top priorities is providing you with an outstanding student experience. We believe that you need more than traditional coursework to be competitive and successful in your career. Experiential opportunities are integral components of your Fulton Schools experience and the skills you gain will help prepare you for whatever you choose to do after graduation.

customize.engineering.asu.edu

Academic Bowl **L R T C**

The Academic Bowl pits teams from ASU's colleges and schools against each other in lightning-fast question-and-answer rounds. Questions can cover any topic — from world politics and pop culture, to history and geography, to global literature. If you have a passion for learning, possess a wide range of knowledge about various (possibly obscure) topics and can quickly hit a buzzer, consider trying out for the team. Not only will you have a blast firing off answers in a fast-paced event, but you also have a chance to win scholarship money and the coveted championship title.

- L leadership**
- M mentoring**
- R research**
- E entrepreneurship**
- S public speaking**
- T teamwork**
- C competitions**
- P programs**

Accelerated programs **P**

Accelerated programs offer exceptional students the opportunity to combine advanced undergraduate coursework with graduate coursework to save time and money.

Career Fair Volunteer/Employer Liaison **L M S T**

As a volunteer at one of the Fulton Schools career fairs, you will be able to network with recruiting managers and learn more about positions available with their companies. Another way to get involved is through student organizations as an employer relations representative working directly with employers, honing your business communications, customer service and event planning skills.

Devils Invent **L R E S T C**

Devils Invent is a series of weekend-long engineering and design challenges. You will work with other entrepreneurially minded students to design, build and implement innovative solutions to challenging problem statements submitted by community, industry and university partners.

E2 Camp Counselors (E2C2s) **L M T**

E2 is an innovative program that welcomes all freshmen to our Fulton Schools. Upper-division students serve as counselors for this fun, multi-day, off-campus program. E2C2s help incoming students learn skills that are important to their success in the Fulton Schools through a variety of fun and interactive activities.

EPICS: Engineering Projects in **L M R E S T C P** Community Service

The Engineering Projects in Community Service program, known as EPICS, is an award-winning community service and social entrepreneurship program. Through EPICS, you have the opportunity to get a hands-on approach to problem solving while making an impact in the community. EPICS will help you enter the workforce with the ability to design innovative solutions to meet client needs in a dynamic environment. Our Generator Labs are available as a gathering point to help develop and nurture your entrepreneurial skills and collaborate with other students.

eProjects program and capstones **L R E S T**

Through capstone projects and the eProjects program, you will work as part of a team to solve a challenge defined by an industry partner. Faculty and industry mentors will offer guidance and support throughout your team's project development process. Project results are then presented at the end of each semester, for industry partners and the public to attend.

Entrepreneurship + Innovation **L M R E S T C P** @ Fulton Schools

E+I @ Fulton Schools empowers you to advance your entrepreneurial ideas for the benefit of our economy and society. E+I @ Fulton Schools offers signature entrepreneurship events, programs, courses, degrees, expert mentoring, venture funding and workspaces to help develop technology innovation and marketplace impact.

Fulton Ambassadors **L S T**

Fulton Ambassadors are a select group of students who support the Fulton Schools as representatives at recruitment events with prospective students and outreach activities. In addition to developing professional and leadership skills, as a Fulton Ambassador, you will receive a letter of recommendation from the dean.

Fulton Schools and Barrett Honors **L M R**

Many Fulton Schools undergraduate students are part of the unique community at Barrett, The Honors College. Honors students enjoy select opportunities to travel abroad, earn scholarships, attend special events specifically for honors students and receive funding to travel and complete their creative projects/theses. Students have the opportunity to stretch their learning capabilities through a customized honors curriculum.

FURI: Fulton Undergraduate Research Initiative

L M R T P

As a FURI researcher, you will solve real-world problems, investigate possible career paths, build a mentoring relationship with a faculty member outside of class, gain a competitive advantage for graduate school or jobs and internships, and gain essential skills for career success. Through this paid opportunity, you will conduct research with a faculty mentor and present your findings at a semiannual FURI Symposium. FURI allows you to experience every step of a research project from the initial proposal for funding to the final presentation of your accomplishments and hard work.

Generator Labs **L E S T C**

The Fulton Schools Generator Labs enable student-led enterprises to make an impact — socially and economically — around campus and around the world. The Generator Labs are designed to provide students with educational, mentorship, ideation, low-fidelity prototyping, capitalization, implementation, presentation and design/execution review services and experiences. The Generator Labs' programs and services are designed to empower socially embedded and entrepreneurially minded student leaders to go from idea to impact efficiently and effectively.

Grand Challenges Scholars Program **L M R E T P**

Grand Challenges Scholars receive the well-rounded preparation needed to tackle complex social issues in the areas of health, energy, sustainability, security and education. Students admitted to the Grand Challenges Scholars Program combine experiences in research, service learning, entrepreneurship and leadership, with the development of a global perspective and interdisciplinary thinking. Grand Challenges Scholars receive a unique endorsement from the National Academy of Engineering upon completion of the program.

Internships **L P T**

Gain major-related experience and possibly earn academic credit as a full-time summer intern or a part-time intern during the fall or spring semester. Get work experience while enrolled at ASU to enhance your education and career preparation.

Order of the Engineer and Pledge of the Computing Professional **P**

Order of the Engineer and Pledge of the Computing Professional are rite-of-passage ceremonies for students graduating in engineering and computing sciences programs. Both ceremonies are intended to promote and recognize ethical and moral behavior in graduates.

Outreach **M S**

Work with outreach programs such as field trip days, *FIRST@* LEGO League and more to promote science, technology, engineering and math in the community and engage younger students in the excitement of what we do every day. This is a chance to gain valuable mentoring skills, volunteer experience and inspire others to pursue studies or careers in engineering and technology.

Peer Career Coaches **L M S T**

Peer Career Coaches are trained to help other students explore career options in their major through one-on-one meetings and by facilitating workshops that will help prepare students for a future in engineering and technology. These upper-division students help navigate the career-related opportunities available to first-year students and connect you to resources for internships, jobs and career events.

Peer mentors **L M S T**

All freshmen — whether living in one of our residential communities, commuting to campus or enrolled in our online programs — are assigned a peer mentor who provides referrals to academic resources across campus, hosts events to ensure new students feel connected to the Fulton Schools and guides freshmen through the transition to ASU.

Student Council **L M T**

The Fulton Schools Student Council serves as an umbrella group for all student organizations registered with the Fulton Schools. Student Council members have the opportunity to develop leadership skills, understand organizational structures, network with Fulton Schools faculty and staff, and serve as a conduit for communication between students, student organizations and the dean to help shape the future of the college.

Student organizations and teams **L M R E T G**

If you are interested in fun, leadership, outreach, career growth and networking opportunities, you should check out opportunities with the more than 60 student organizations and teams in the Fulton Schools. There are honors and professional societies, diversity organizations, service and major-specific groups as well as competitive teams that provide ample opportunities for you to find a group that suits your needs, whether it is gaining hands-on experience working on a team or socializing with peers who share the same passion.

Summer camp counselors **M S**

Each summer, we host a number of camps designed to engage K-12 students in science, technology, engineering and math-related activities. From robotics to mobile application creation, our goal is to share the excitement of engineering and technology with aspiring future problem-solvers.

Study abroad **R T P**

Experience a new culture, learn professional practices used outside of the U.S., become competitive in a global job market and see the world in a new way. Visiting a different country is a valuable opportunity to expand your worldview and gather insight and inspiration from a different perspective. From exchange and partnership programs, to faculty-directed summer programs, the study abroad experience will enhance your understanding of engineering and technical concepts, global business perspectives, world issues and societies.

Tutoring **L M**

Tutors are undergraduate and graduate students employed to help you with your math, science and engineering classes. Newly remodeled locations offer plenty of free tutoring for all of your homework needs. ASU also offers tutoring online and in your residential hall.

Undergraduate Teaching Assistants **L M S T P**

The Undergraduate Teaching Assistant (UGTA) program hires successful undergraduate students to serve as teaching assistants in Fulton Schools classes. UGTAs assist faculty members by leading, engaging and mentoring students in exploratory and collaborative learning activities within the classroom and lab environment.



EPICS elite pitch competition expands impact of student projects

The Engineering Projects in Community Service program, or EPICS, offers students the knowledge, funding and opportunity to work on real projects with actual clients who are facing social or environmental problems.

Last year, the Fulton Schools held the first ever EPICS Elite Pitch Competition. Each team developed a five-minute pitch detailing their solution, its implementation, and their plans to grow and scale their ideas.

The Bridge2Africa team is working to convert internet text to Braille to help bring online access to students at the Sibonile Schools for the Visually Impaired in South Africa. The next steps for the team include designing and prototyping the hardware portion of their solution, which includes a physical Braille display.

Career Exploration Night



Get a head start on your career

Career Exploration Night for First-Year Students is a casual event where you can talk to Fulton Schools alumni and industry professionals about their careers and how they got there.

At past events, more than half of the professionals who attended the event were Fulton Schools alumni — a valuable resource to see how Fulton Schools opportunities can give you an advantage in getting the career you want. Hear first-hand how alumni used resources and opportunities at ASU, such as student organizations, research projects, internships, volunteer experience and professional networking, to get where they are today.

If you're not yet sure what you want to do after college, this is a great chance to explore your

options. You can get a taste of a wide variety of careers and talk to professionals who currently work in those areas to see what kinds of problems they solve and what their day-to-day projects entail.

Industries represented include computer science, electrical engineering, aerospace engineering and flight, biomedical engineering, manufacturing, construction, environmental and resource management and more.

Besides talking with the pros, you also can see project prototypes and demonstrations of the types of projects they do at their companies. It's a great glimpse into the work of an engineering or technology professional.

Don't miss this opportunity to see the future and the path to get there!

Your future is our full-time job

At the Fulton Schools we see all of the effort and dedication that you put into your future. We provide year-round services to all of our students — whether you are looking for guidance on selecting a major, seeking an internship or getting ready to interview for your next dream job. Planning for your career is so much more than creating a resumé. The Fulton Schools Career Center can help you hone your strategy to find summer internships and other opportunities that will help you build your future career.

career.engineering.asu.edu



Career Fair



Peer career coaching

Connect with the Fulton Schools Career Center

Get advice on what employers seek, how to design your resumé and project portfolio, and how to prepare for job fairs and interviews from peer career coaches who share your interests, major or Fulton School. Professional staff provide specific information to guide your career decisions. Together, they can direct you to become a competitive candidate.

Develop your personal brand

Turn all of your experiences into your unique brand. We can answer questions about how to maximize your time in college. From your first year through your senior year, learn how getting involved early in student organizations, research opportunities and class projects can make you a more competitive candidate. Find experiences and internships to get real-world experience.

We can help transition your accomplishments into a distinguished internship-ready or new-professional-ready resumé that clearly demonstrates what you have to offer a company. Learn how to present yourself at interviews, career fairs and networking events to set yourself apart from the competition.

Preparation sessions

Each semester, attend workshops and use online tools to design your resumé, prepare for job fairs and interviews or explore majors. Learn what company representatives look for and be confident in your ability to impress.

Internships

Gain major-related experience and possibly earn academic credit as a full-time summer intern or a part-time intern during the fall or spring semester. Get work experience while enrolled at ASU to enhance your education and career preparation.

Company information sessions and competitions

Companies visit ASU throughout the academic year, especially around career fairs, to talk with our students about opportunities, their latest projects and cutting edge technologies. Learn firsthand about your options as you make a positive impression on companies. Check Handshake for upcoming events and opportunities with companies, including technical talks and exciting competitions.

Career Fairs

Attend the Fulton Schools career fairs in the spring and fall. Research companies and apply for positions before a career fair. Make an impression on company representatives eager to meet the next generation of professionals. You may even be invited to interview on campus with multiple employers. Also, don't miss the "Preparing for the Recruiting Season" presentation series leading up to the fairs.

Connect with us

Visit career.engineering.asu.edu for self-paced tutorials, advice at every stage of your academic career and current information on workshops and career fairs.

Log into Handshake at asu.joinhandshake.com to schedule an appointment with a career coach.

Read **Inner Circle** for career tips and events.

Like us at facebook.com/fultoncareercenter for timely opportunities and events.

Living on campus: **We've got you**



It doesn't matter where you're living, you've got support.

All first-year students — whether you're living in one of our residential communities or commuting to campus — are assigned a peer mentor. This seasoned Fulton Schools student provides referrals to academic resources across campus, hosts events to ensure you feel connected to the Fulton Schools and guides you through the transition to ASU.

Residential peer mentors are upper-division Fulton Schools students who live and work in the Fulton Schools Residential Community and the Barrett Residential Complex along with first-year students.

Off-campus peer mentors help commuting students build a Fulton Schools identity and connection. They share knowledge about Fulton Schools resources, services and events and serve as a friendly person who can help guide you to success.



Living off campus: **We've got you**

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