**GO ABROAD WITH ENGINEERING**

**Exchange programs** allow students to enroll in regular university classes at a partner institution abroad. They are a good fit for students who prefer to pay their regular Auburn tuition and fees, but desire a higher level of independence and immersion into the local culture.

**Faculty-led programs** are the most popular type of program among Auburn students because they offer regular Auburn courses, a higher level of support and opportunities to connect with other Auburn students.

**Engineers Without Borders** offers non-credit service learning programs to students to engage in public service and make a difference in developing countries. Individuals must be a member of the Engineers Without Borders student chapter and must participate in a planning meeting prior to being selected on the travel team.

**The Engineering and German concurrent degree program** offers students the opportunity to graduate with two bachelors degrees and spend a year abroad in Germany. This is a wonderful opportunity to learn a new language and culture, while expanding your skills as an engineer.
EXCHANGE PROGRAMS

What are the costs associated with an exchange?

Students will pay 12 credit hours of tuition to Auburn University before departing for their exchange country. Students may pay other fees to the host institution and are also responsible for their meals, textbooks, housing and airfare. Students will also pay international emergency travel insurance for the duration of the study abroad program.

What Auburn equivalent courses are taught at each exchange program?

There are a number of courses that can be taken for credit in Auburn’s Engineering program. Students will need to plan early and research courses with the program’s faculty lead. Visit our website for a list of previously approved courses for each exchange: studyabroad.auburn.edu

“I couldn’t be more thankful for the opportunity to grow both personally and academically in more ways than I could’ve imagined. My time there was challenging, rewarding, exhilarating, eye opening and many more things.”

Brent Moore

Würzburg-Schweinfurt Exchange
Industrial and Systems Engineering ’20
Where can I go?

**Germany**
- Aalen: Available for computer science, software and computer engineering majors
- Offenburg: Available for mechanical engineering majors
- Karlsruhe: Available for electrical and computer engineering majors
- Würzburg-Schweinfurt: Available for industrial and systems engineering, computer science, and software engineering majors

**Italy**
Politecnico di Torino offers exchange programs for mechanical students.

Who do I contact?

**Aalen, Germany:** Dr. Hendrix (dean.hendrix@auburn.edu)
**Offenburg, Germany:** Dr. Bhavani (bhavnsh@auburn.edu)
**Karlsruhe, Germany:** Ms. Gowan (efg0001@auburn.edu)
**Würzburg-Schweinfurt, Germany:** Dr. Carpenter (simslua@auburn.edu)
**Torino, Italy:** Dr. Zabala: Mechanical (zabalme@auburn.edu)

“The advantage of studying abroad with a full-semester program such as the exchange in Torino is getting to be fully immersed in the host culture. This exchange afforded me the opportunity to develop a few close friendships with Italian students as well as other international students from all over the world.”

**Christian Moomaw**
Politecnico di Torino Exchange
Mechanical Engineering ’20
FACULTY LED PROGRAMS

Biomechanics and Engineering in the Arts in Florence, Italy

Students will be educated on the biomechanics and engineering associated with multiple forms of art such as the playing of musical instruments, painting, Renaissance architecture and dance. Students will also learn about key historical figures of the Renaissance who held major influence on the origins of biomechanics as a field of study as well as modern-day Western art, engineering and architecture. Students will have the opportunity to earn 3 credit hours through this program.

Available to all engineering majors.
Contact Dr. Zabala for more information.
zabalme@auburn.edu

International Engineering Projects in Bavaria, Germany and Pamplona, Spain

These two programs provide hands-on work experience combined with a unique cultural experience. Students will work in teams on a consulting project for a business client in their host country. The client will define the project, and the student teams will prepare a written report and make a formal presentation for the client at the end of the program with their proposed solutions and recommendations. Students will also have the opportunity to earn up to 12 credit hours by taking courses taught by Auburn faculty while abroad.

Available to all engineering majors.
Contact Dr. Valenzuela for more information on the Spain program. valenjo@auburn.edu
Contact Dr. Sesek for more information on the Germany program. sesek@auburn.edu

“This program helped me define what it meant to be a chemical engineering student for me, while reaffirming my interest in biomechanical engineering.”

Kayla Milton
Biomechanics and Engineering In The Arts
Chemical ’21
Sustainable Technologies in Pamplona, Spain

The course will introduce students to sustainable technologies and practices in northern Spain through classroom instruction and by visiting sites, including wind and solar farms, biomass conversion facilities and a desalination plant. Students will understand the economic, environment and societal impacts of these technologies. The first two weeks of the program focus on renewable energy. The second half of the course will focus on water and infrastructure and include desalination, water treatment, building efficiency and transportation.

Available to all engineering majors.
Contact Dr. Duke for more information.
dukeste@auburn.edu

Engineering Practices in China

Students will have the opportunity to study for three weeks at the Taiyuan University of Science and Technology in Shanxi, and the Beijing University of Civil Engineering and Architecture in Beijing. At the university students will participate in ongoing research projects, and take a series of short courses in their respective engineering areas. They will also visit major engineering plants and factories in Taiyuan and Beijing.

Available to CMPE, CHEM, ELEC, MECH, MATL, CSCI, and BSEN majors.
Contact Dr. Zhao for more information.
zhaodon@auburn.edu
Our mission is to build a better world through engineering projects that empower communities to meet their basic human needs and equip leaders to solve the world’s most pressing challenges.
Auburn University offers its students the opportunity to learn from and work with some of the world’s finest leaders in German engineering. Through a combination of classroom instruction and practical experience, Auburn students can obtain a concurrent degree in German and engineering and take advantage of the tremendous career opportunities at some of the most innovative and respected engineering companies in the world.

Our concurrent degree program allows students to pursue a bachelor’s degree in German and a bachelor’s degree in engineering, concurrently. Graduates receive two separate diplomas in two distinct fields of study.

Advantages of a Concurrent Degree
• Less time to obtain two degrees
• More cost effective
• Specialized expertise in two distinct fields
• Ability to complete engineering specialization from experts at Auburn and in Germany
• Advanced German language proficiency
• Real-world experience
• Intercultural competence

Concurrent degree options are offered in the following engineering programs:
• Computer Science (CSCI)
• Software Engineering (SWEN)
• Computer Engineering (CMPE)
• Mechanical Engineering (MECH)
• Electrical Engineering (ELEC)
• Industrial and Systems Engineering (INSY)

For more information, contact:
Dr. Dean Hendrix, Director
Samuel Ginn College of Engineering
Global Programs
334.844.6305 | dean.hendrix@auburn.edu

Dr. Traci O’Brien, Chair
Department of World Languages, Literatures, and Cultures
334.844.6350 | tso0001@auburn.edu
“My German degree is just as valuable as my engineering degree. I communicate daily with my colleague – all in German. The language component and having studied and lived in Germany made for an easy transition and made me more valuable to the company.”

Mac Patterson ’14
Mechanical Engineering and German Bodyshop Production Planner, Daimler AG
WHERE DO I START?

The first step is to speak with your advisor to discuss the possibilities of studying abroad. It is important to have this discussion early in your academic career, so you have time to plan your course progression in preparation for your time abroad. You also should attend a Study Abroad 101 session. These sessions provide an overview of the entire study abroad process and will teach you how to choose the right program, begin an application, get credits pre-approved before departure, search for funding and more. It is never too early to start planning to travel abroad!

Visit our website for more information on study abroad opportunities: eng.auburn.edu/global

Eligibility
• GPA requirements vary based on program
• 19 years of age
• No pending student conduct sanctions
• Departmental approval for exchange program participation

Deadlines*
• March 30 - summer programs
• April 30 - fall programs
• October 15 - spring programs

*Some programs may have earlier deadlines. Please contact faculty lead for specific program deadlines.
Birdsong Scholarship

Fred Birdsong, ‘34 chemical engineering, and his wife Mary Lou, established this scholarship fund to broaden the educational experience of undergraduate engineering students. The uniqueness of the award is the requirement that engineering students gain international experience by undertaking studies in a discipline other than engineering. Birdsong scholarships have been awarded for a variety of endeavors, such as developing expertise in playing flamenco guitar in Spain, experiencing a culinary tour of Europe, investigating tropic marine ecology on the Great Barrier Reef off of Australia and a study of Italian literature in Taormina, Italy.

Scholarship Requirements

• Full-time undergraduate student in the Samuel Ginn College of Engineering at Auburn University
• Cumulative grade point average of 3.0 or greater
• At least sophomore standing
• One year of study remaining upon return to Auburn University

Application Process

• First, complete the general application through the Auburn University Scholarship Opportunity Manager (AUSOM).
• Second, complete the Birdsong application. You will be sent the application via email.
• You will need to submit a five-page proposal that includes a detailed itinerary, itemized budget, courses you plan to study (if any), school you plan to attend (if any), places/events that you plan to visit and how this experience partners with your goals as an engineering student. The proposal may contain supporting images. If you have any questions, please contact Jessica Taylor at jessica.taylor@auburn.edu.
• Two faculty recommendations are also required, and at least one of the recommendations should come from engineering faculty.
• The deadline for submission is spring of each calendar year.

For more information on this scholarship visit: aub.ie/engabroadscholarships
100+ Women Strong Study Abroad Scholarship

This scholarship is available to female engineering students with a cumulative GPA of 3.0 or greater. Funding is contingent on the characteristic of the proposal, uniqueness of the cultural experience, location and length of time. You must complete AUSOM and the study abroad scholarship application that you will receive via email. The deadline to submit your study abroad scholarship application is spring of each calendar year.

For more information on this scholarship visit: aub.ie/engabroadscholarships

Benjamin A. Gilman International Scholarship

The U.S. Department of State’s Benjamin A. Gilman International Scholarship is a grant program that enables students of limited financial means to study or intern abroad, thereby gaining skills critical to our national security and economic prosperity. The program aims to encourage students to study and intern in a diverse array of countries or areas and world regions. The program also encourages students to study languages, especially critically needed languages. Veterans of military service are encouraged to apply, and preference is given to veterans when other factors are equivalent.

For more information visit: gilmanscholarship.org