A GUIDE TO EDUCATION ABROAD FOR

MECHANICAL ENGINEERING

MAJORS

Updated April 2021
WHERE HAVE MECHANICAL ENGINEERING STUDENTS STUDIED?

These are examples of some locations that Binghamton University Mechanical Engineering students have studied. There are hundreds of other programs to choose from through SUNY and programs offerings can change each year.

France: Engineering Semester in Paris (CEA)

Iceland: Renewable Energy, Technology, and Resources Economics (SIT)

Italy: Istituto Lorenzo de’ Medici in Florence or Tuscania

Spain: ICAI-SAPIENS Engineering

Chile: Doing Business in Emerging Markets
"I've always dreamed of studying abroad. Thanks to IEGI, I spent my spring semester of sophomore year in Madrid, Spain. During my time abroad, I experienced Spanish culture to the fullest and traveled from the Northern region of Basque country all the way down south to Barcelona in Catalonia. Being abroad allowed me to step outside my comfort zone and practice my Spanish speaking skills. I met plenty of friends from all around the globe and learned about their own cultures. I credit my study abroad experience for making me a more open-minded individual and exposing me to different walks of life.

While abroad, I was grouped with other engineers and learned what it's like to work with peers from India, France, and Hong Kong. I'm confident this experience has helped prepare me for the expanding global business market and I hope to return to Spain in the near future."

JOSIP, MECHANICAL ENGINEERING STUDENT
STUDIED IN MADRID, SPRING 2020
WHY YOU SHOULD STUDY ABROAD

You can gain:
- Competencies Employers Seek
  - Critical Thinking/Problem Solving
  - Oral/Written Communication
  - Teamwork/Collaboration
  - Global/Intercultural Fluency
- Connections in your field
- Inspiration

It's affordable and practical:
- Financial Aid is generally applicable
- Find programs without language requirements
- Programs keep you on track with your degree progress

JOSEPH, MECHANICAL ENGINEERING STUDENT STUDIED IN PARIS, SPRING 2020
There are two semester Binghamton programs that allow mechanical engineering students to take courses according to their Binghamton University requirements:

- Spain: ICAI-SAPIENS Engineering
- France: CEA Paris Engineering

Some other Binghamton programs include engineering courses and are offered during a winter or summer session. Examples:

- South Korea: Korea University International Summer Campus

Explore three great semester options for Mechanical Engineering students on pages 7-9. Talk with your academic advisor to develop a similar plan that works for you.

Click on the paper icon to the right and scroll through the classes to see what credit students have received on other programs in the past.
Important note about General Education electives for this program: It is recommended that you leave either the General Education Social Science (N) or Aesthetics (A) to take while abroad.

FIRST YEAR
Take normally sequenced courses

Summer before going abroad:
PHYS 132. General Physics II
ME 212. Mechanical Engineering Programming

SECOND YEAR

Fall (ABROAD)
MATH 323. Calculus III
ME 273. Statics
General Education Elective
General Education Elective
TOTAL CREDITS - 15

Spring
MATH 324. ODE's for Scientists/Engineers
ME 211. Introduction to Solid Mechanics
ME 274. Dynamics
EECE 260. Electric Circuits
TOTAL CREDITS - 14

THIRD YEAR
Continue with normally sequenced courses
Important note about General Education electives for this program: It is recommended that you leave either the General Education Social Science (N) or Aesthetics (A) to take while abroad.

FIRST YEAR
Take normally sequenced courses

SECOND YEAR
Fall
MATH 324. ODE's for Scientists/Engineers
PHYS 132. General Physics II
ME 212. Mechanical Engineering Prog
ME 273. Statics
TOTAL CREDITS - 13

Spring (ABROAD)
MATH 323. Calculus III
EECE 260. Electric Circuits
ME 274. Dynamics
General Education Elective
TOTAL CREDITS - 15

Summer after going abroad:
ME 211. Introduction to Solid Mechanics**

THIRD YEAR
Continue with normally sequenced courses
COURSE MAPPING

EXAMPLE OF SOPHOMORE SPRING STUDY ABROAD ON SPAIN: ICAI - SAPIENS ENGINEERING PROGRAM

FIRST YEAR
Take normally sequenced courses

SECOND YEAR
Fall
- MATH 323. Calculus III
- PHYS 132. General Physics II
- ME 212. Mechanical Engineering Programming
- ME 273. Statics
- General Education Elective
TOTAL CREDITS - 17

Spring (ABROAD)
- MATH 324. ODE's for Scientists/Engineers
- EECE 260. Electric Circuits
- ME 274. Dynamics
- ME 362/363. Materials Science & Lab
TOTAL CREDITS - 13

Summer after going abroad:
- ME 211. Introduction to Solid Mechanics**

THIRD YEAR
Take one less course of your normal sequencing or another course of your choosing (in consultation with your academic advisor), then continue with normal sequencing.
COST AND FINANCIAL AID
Some programs are similar or less in cost than Binghamton University and some are more. It is important to consider financial aid as you plan to go abroad. Some grants and scholarships have specific requirements that you must maintain while abroad. To ensure these guidelines can be met, inform your academic advisor what aid you receive and discuss your plans to go abroad with the Financial Aid office.

TIMELINE
As Early As Possible -
1. Discuss your interest in studying abroad with your academic advisor and program advisor in IEGI.
2. Attend education abroad fairs and info sessions, and talk to education abroad ambassadors to determine the best program for you.

Semester Before Going Abroad -
1. Discuss the program costs with Financial Aid - bring the costs with you
2. Apply for the program on the program website

Application Deadlines - The latest deadline to complete an application for an education abroad program is noted below. Some programs have earlier deadlines.
- October 1 - for a program in the winter or spring semester
- March 1 - for a program in the summer or fall semester
APPLICATION PROCESS
Each program can have a different application process. For more detailed information, check the program website. Most applications require:
1. A 24-48 hour waiting period after you start your application,
2. An essay,
3. Your transcript,
4. At least one faculty reference, and
5. Basic information to fill out.
If the programs listed do not work for you, consider a spring break, summer, or winter program.

You can receive General Education credit abroad - ask your advisor about how to plan for this as early as your first year.

Start planning with your advisor during your first year, if you can!

This is the best way to make a program fit well into your degree.

YOUR PLAN

Discuss your interest in participating on an education abroad program with your academic advisor in Watson to make a plan that works for you.

The sooner you do this the better! Even if you're just considering going abroad, come by and talk to us. Start with your academic advisor, then stop by IEGI.