

Study Abroad Course Selection for Engineering Majors

(Updated: 9/26/22)

Studying abroad is possible for engineering students. It requires careful planning. Engineering students typically study abroad in the spring or summer of sophomore year. The course lists provided in this guide are intended for students planning for spring sophomore year study abroad.

Questions about tuition, housing, and applications should be directed to the Office of International Education (Study Abroad) in Holthusen Hall, Millie Lor, milliam.lor@MU.edu.

- Office of International Education (Student Abroad) [website](#)
- Study Abroad 101 info sessions every Friday at 3pm at the Study Abroad Office

Study Abroad Course Approval Form:

After acceptance into the study abroad program, students must complete and submit a [“Study Abroad Course Approval” form](#). All potential courses the student may consider taking while abroad – including alternate courses – should be listed. Use more than one form if necessary. Please schedule an advising appointment to discuss course approvals with Dr. Federle. Completed forms should be sent to Dr. Federle at mark.federle@MU.edu for final approval.

Advising and Registering for Courses the Semester After You Study Abroad:

The Opus College of Engineering requires students to meet each semester with their academic advisor during the academic advising period (after midterm grades are available). Communication with academic advisors is expected to be done via Teams or email. Students should include a list of classes (MU equivalent course numbers) that they are currently taking while abroad and a list of classes they plan on enrolling in the following semester.

“Register in a Class Without a Required Pre-Requisite” form:

If students are taking a course while abroad that is a pre-requisite for a course they plan on taking in the following semester, they must complete a [“Register in a Class Without a Required Pre-Requisite” form](#), which is available on the MU Central website. Students should submit the form to coe-records@MU.edu and if approved the student will be enrolled in the class. Transfer credit must be earned for the pre-requisite course prior to the start of the term in which the student is registered for the courses requiring said pre-requisite.

MU Core Curriculum (MCC) Discovery Tier Information:

[MCC Requirements](#)

[Discovery Themes](#)

Students should declare their preferred Discovery Tier Theme prior to studying abroad. This can be done via Checkmarq, following [these instructions](#).

Note: For students who participate in a full-time (12 credits or more) Marquette approved study abroad program, one study abroad course may fulfill the elective requirement of the Discovery Tier. Up to two primary major courses may double-count for non-foundation tier courses. If a course double counts for an engineering major requirement and a non-foundation tier course, any resulting credit deficiency must be satisfied to complete the minimum degree credit requirements.

Biomedical Engineering (BIOC, BIOE, and BIOM Majors)

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BIOC:

MU Courses:	SLU-en-Madrid Courses:	Notes:
BIEN 2300	None	There is no equivalent to BIEN 2300. It should be taken domestically another semester.
COEN 2710	None	
EECE 1610	CSI 1300	
EECE 2030	ECE 2205	
MCC (PHIL 1001, THEO 1001, DSCV elec.)	PHIL 130, THEO 1000, or TBD	

BIOE:

MU Courses:	SLU-en-Madrid Courses:	Notes:
BIEN 2100	None	There is no equivalent to BIEN 2100. It should be taken domestically another semester.
EECE 2030	ECE 2205	
EECE 2035	ECE 2103	
ELEN 2020	ECE 2101	
MCC (PHIL 1001, THEO 1001, DSCV elec.)	PHIL 130, THEO 1000, or TBD	

BIOM:

MU Courses:	Gonzaga-in-Florence Courses:	UCD Courses:	SLU-en-Madrid Courses:	Notes:
BIEN 2100	None	None	None	There is no equivalent to BIEN 2100 or 2300. They should be taken domestically another semester.
BIEN 2300	None	None	None	
GEEN 2120	ENSC 306	MEEN 20030	ESCI 2150	
MEEN 2460	None	MEEN 20070	MENG 3510 or BME 3400	

Computer and Electrical Engineering (COEN and ELEN Majors)

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COEN:

MU Courses:	SLU-en-Madrid Courses:
COEN 2610	CSCI 2300
COEN 2710	None
EECE 2030	ECE 2205
MATH 2451	MATH 3550
MCC (PHIL 1001, THEO 1001, DSCV elec.)	PHIL 130, THEO 1000, or TBD

ELEN:

MU Courses:	SLU-en-Madrid Courses:
EECE 2030	ECE 2205
EECE 2035	ECE 2103
ELEN 2020	ECE 2102
ELEN 2040	None
MATH 2451	MATH 3550
MCC (PHIL 1001, THEO 1001, DSCV elec.)	PHIL 130, THEO 1000, or TBD

Civil, Construction, Environmental Engineering (CIEN, CNEN, and ENEN Majors)

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CIEN:

MU Courses:	Gonzaga-in-Florence Courses:	VNU Courses:	UCD Courses:	Monash Univ. Courses:	SLU-en-Madrid Courses:
CEEN 3320	None	CE210IU	CVEN 20080	None	None
GEEN 2120	ENSC 306	CE203IU	MEEN 20030	MEC 2401 or ENG 1040	ESCI 2150
GEEN 2130	ENSC 301	CE201IU + CE202IU	CVEN 20010 or MEEN 20040	None	ESCI 3100
Basic Science Elec.	TBD	TBD	TBD	TBD	TBD
MATH 4720	None	IS004IU	None	STA 1010	MATH 4850 or STAT 3850

CNEN:

MU Courses:	Gonzaga-in-Florence Courses:	VNU Courses:	UCD Courses:	Monash Univ. Courses:	SLU-en-Madrid Courses:
CNEN 3810	None	None	None	CIV 4286	None
GEEN 2130	ENSC 301	CE201IU + CE202IU	CVEN 20010 or MEEN 20040	None	ESCI 3100
Math/Science Elec.	TBD	TBD	TBD	TBD	TBD
ECON 1001	None	None	ECON 10040	None	ECON 1900

ENEN:

MU Courses:	Gonzaga-in-Florence Courses:	VNU Courses:	UCD Courses:	Monash Univ. Courses:	SLU-en-Madrid Courses:
CEEN 3320	None	CE210IU	CVEN 20080	None	None
GEEN 2120	ENSC 306	CE203IU	MEEN 20030	MEC 2401 or ENG 1040	ESCI 2150
GEEN 2130	ENSC 301	CE201IU + CE202IU	CVEN 20010 or MEEN 20040	None	ESCI 3100
MATH 4720	None	IS004IU	None	STA 1010	MATH 4850 or STAT 3850
DSCV Elec.	TBD	TBD	TBD	TBD	TBD

Mechanical Engineering (MEEN Majors)

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MU Courses:	<u>Univ. of Auckland</u> Courses:	<u>UCD</u> Courses:	<u>Monash Univ.</u> Courses:	<u>SLU-en-Madrid</u> Courses:
GEEN 2120	MECHENG 222	MEEN 20030	MEC 2401 or ENG 1040	ESCI 2150
GEEN 2130	None	CVEN 20010 or MEEN 20040	None	ESCI 3100
ELEN 3001	ELECTENG 202	EEEN 20090 or EEEN 20040	None	None
CHEM 1002	CHEM 92F	CHEM 20070	CHM 1022	CHEM 1120 + CHEM 1125
MATH 3100	MATH 253	None	MATH 2021 or MATH 2025	MATH 3110

Study Abroad Program Information

(Updated: 9/26/22)

Gonzaga-in-Florence

- [Program Information](#)
- [Course Equivalencies](#)
- [Gonzaga-in-Florence Course Offerings](#)
 - Click on the “Academics & Courses” tab

International University – Vietnam National University

- [Program Information](#)
- [Course Equivalencies](#)
- [VNU Course Offerings](#)
 - Official offerings are not available until two months prior to semester start but they are pretty much the same from year to year. If enrollment numbers are low, the course may be cancelled.

University of Auckland

- [Program Information](#)
- [Course Equivalencies](#)
- [University of Auckland Course Offerings](#)

University College Dublin

- [Program Information](#)
- [Course Equivalencies](#)
- [University College Dublin Course Offerings](#)

Monash University

- [Program Information](#)
- [Course Equivalencies](#)
- [Monash University Course Offerings](#)

SLU-en-Madrid

- [Program Information](#)
- [Course Equivalencies](#)
- [SLU-en-Madrid Course Offerings](#)