Study Abroad Programs

School of Engineering
& Applied Science
THE GEORGE WASHINGTON UNIVERSITY

Important Reminders for SEAS Students

- Student must be in good academic standing to go abroad and other special GPA requirements must be met as per program.

- All courses must be approved in CATS before students are eligible to go abroad and must be taught in English.

- Student must make sure that total course credit transfers back 1:1 and speak to their faculty advisor about options if not

- Biomedical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, Mechanical Engineering, Systems Engineering traditionally study abroad in spring of sophomore year.

- Computer Science (BS) traditionally study abroad in the spring semester of junior year.

- Applied Science + Technology and Computer Science (BA) students can study in sophomore or junior but should develop a plan with their faculty advisor in advance to identify which courses need to be taken.

- Must be in compliance with all GW Study Abroad requirements .

- The programs shown are most common for our GW Engineering students and the places where students have successfully attended while remaining on track. **However, courses offerings can change each semester and therefore, it will be important for the student check the programs schedule of classes before committing.**

- *Additionally, options may be available with advance planning and approval of required courses.*

- There are two types of study abroad programs, GW Exchange and GW Study programs. All the shown programs are Exchange Programs with the exception of Queen Mary of London, which is a GW Study Program. The costs vary for the type of program so it is a good idea to consider what kind of program you would like to do: https://studyabroad.gwu.edu/explore-programs.

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Abbreviations

APSC = Applied Science	**AST** = Applied Science + Technology	**BME** = Biomedical Engineering	**CATS** = Course Approval Transfer System
CEE = Civil and Environmental Engineering	**CompE** = Computer Engineering	**CS** = Computer Science	**ECE** = Electrical and Computer Engineering
EE = Electrical Engineering	**EMSE** = Engineering Management and Systems Engineering	**HSSNT** = Humanities, Social Sciences, and Non-Technical electives	**MAE** = Mechanical and Aerospace Engineering
SE = Systems Engineering	**SEAS** = School of Engineering and Applied Science	**UAF** =Undergraduate Advising Form	

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Spring of Sophomore Year

- Most SEAS majors will study abroad the spring semester of their sophomore year. However, computer science students will student abroad in the spring of their junior year.

- The department and curriculum during these semester have been tailored to more easily allow SEAS students to study abroad and many of the required courses have been pre-approved.

GW | Engineering

Korea University – Seoul, South Korea

Founded in 1905, Korea University is widely acknowledged as one of the country's top-ranked universities. Its reputation for quality is based on excellence in teaching, research, and service to Korean society. An eminent faculty, outstanding students, and internationally recognized research programs contribute to KU's academic fame. As a major comprehensive university, KU offers a rich variety of courses in Liberal Arts and Sciences, as well as in all professional fields, including Engineering and Business Administration. GW has special exchange arrangements with Korea University College of Engineering in addition to the University-wide offerings.

Majors: Applied Science + Technology (AST)#, Biomedical Engineering (BME), Computer Engineering (CompE), Computer Science (CS)#, Electrical Engineering (EE), and Systems Engineering (SE)#

 # See sections for Systems, Applied Science + Technology, and Computer Science options

Transfer Credits Ratio: 1 to 1

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Korea University – Seoul, South Korea

BME		CompE		EE	
GW Course	Abroad Equiv.	GW Course	Abroad Equiv.	GW Course	Abroad Equiv.
BME 2815	*See Note 1*	APSC 3115	*See Note 3*	APSC 2114	KECE 232
ECE 2210	KECE 313	ECE 2115	KECE 301	ECE 2115	KECE 301
Programming Elective 1	*See Note 2*	ECE 2140	KECE 207*	ECE 2140	KECE 207*
Restricted Engineering Elective 1	Choose two of the following: KECE 301 (ECE 2115), KECE 232 (MAE 2131), or KECE 207* (ECE 2140)	ECE 2210	KECE 313	ECE 2210	KECE 313
Restricted Engineering Elective 2		HSSNT elective	Variable	HSSNT elective	Variable
HSSNT elective	Variable				

Note 1: BME students will need to register for an online section of BME 2815. Email seasadvising@gwu.edu for more information.

Note 2: The programming elective can be taken in the fifth semester. Either an additional technical or HSSNT elective will need to be taken.

Note 3: APSC 3115 can be taken during the fifth semester. Either an additional technical or HSSNT elective will need to be taken.

*KECE 207 will only transfer back as 3-credits (lecture only). Students will need to register for 1-credit independent study in order to complete the laboratory work during the fall semester following the semester abroad. Email seasadvising@gwu.edu for more information when registering for classes.

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University College Dublin - Dublin, Ireland

Established in 1854, University College Dublin is part of the National University of Ireland system and has been an integral part in the making of modern Ireland. UCD has produced many of the country's political, cultural, and business leaders. Ranked in the top one per cent of higher education institutions worldwide, it enrolls over 31,000 students each year, about one-fifth of whom are international students. UCD is located in Dublin, a capital city known for its dedication to the preservation of history as well as the modernization of its economy. Dublin also houses the European headquarters of companies such as Microsoft, Google, Amazon, eBay, Paypal, Yahoo!, Facebook, and Twitter.

Majors: Applied Science + Technology (AST)[#], Biomedical Engineering (BME), Computer Engineering (CompE), Computer Science (CS)[#], Electrical Engineering (EE), Mechanical Engineering (MAE), Civil Engineering (CEE), and Systems Engineering (SE)[#]

 # See sections for Systems Engineering, Applied Science + Technology, and Computer Science options

Transfer Credits Ratio: All engineering and computer science courses transfer 1 to 1; All other courses transfer 1 to 0.5 European Credit Transfer System: Courses are typically 5 credits and students take six courses

GW | Engineering

University College Dublin - Dublin, Ireland

BME		MAE		CEE	
GW Course	**Abroad Equiv.**	**GW Course**	**Abroad Equiv.**	**GW Course**	**Abroad Equiv.**
BME 2815	*See Note 1*	APSC 2058	MEEN 20030	APSC 2058	MEEN 20030
ECE 2210	EEEN 30110	APSC 3115	STAT 20060	APSC 3115	STAT 20060
Programming Elective 1	COMP 10060 (ECE 1120)	CE 2220	MEEN 20040	CE 2220	MEEN 20040
Restricted Engineering Elective 1	Choose two of the following: EEEN 30110 (ECE 2115), MEEN 10050 (MAE 2131), or EEEN 20040 (ECE 2140)	MAE 2131	MEEN 10050	CE 2210	EEEN 30150
Restricted Engineering Elective 2		PHYS 1022	PHYC 10160	CE 1020	*See Note 2*
HSSNT elective	Variable			CE 2710	*See Note 3*

Note 1: BME students will need to register for an online section of BME 2815. Email seasadvising@gwu.edu for more information.

Note 2: CEE students will need to register for an online section of CE 1020. Email seasadvising@gwu.edu for more information.

Note 3: For CEE students, CE 2710 can be taken in the sixth semester and a HSSNT can be taken instead.

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University of New South Wales – Sydney, Australia

One of Australia's leading research and teaching universities, the University of New South Wales takes pride in the diversity and quality of its teaching programs. UNSW's teaching gains strength and currency from its research activities and strong regional and global engagement. Established in 1949, UNSW has expanded rapidly and now has over 50,000 students, including more than 14,000 international students from over 130 different countries.

Majors: Applied Science + Technology (AST)#, Biomedical Engineering (BME), Computer Science (CS)#, Mechanical Engineering (MAE), and Systems Engineering (SE)#

 # See sections for Systems Engineering, Applied Science + Technology, and Computer Science options

Transfer Credits Ratio: 3:2 (Australian 6 credits is USA 4 credits, Aus 12 credits is USA 8, etc)

GW | Engineering

University of New South Wales – Sydney, Australia

BME		MAE	
GW Course	**Abroad Equiv.**	**GW Course**	**Abroad Equiv.**
BME 2815	*See Note 2*	APSC 2058	MMAN 2300
ECE 2210	ELEC 2134	APSC 3115	*See Note 3 and Note 1*
Programming Elective 1	DPST 1091 (ECE 1120)	CE 2220	ENGG 2400
Restricted Engineering Elective 1	Choose two of the following: ELEC 2133 (ECE 2115), MMAN 2700 (MAE 2131), or ELEC 3104 (ECE 3220) *See Note 4*	MAE 2131	MMAN 2700
Restricted Engineering Elective 2		PHYS 1022	PHYS 1221
HSSNT elective	*See Note 1*		

Note 1: Students take maximum 4 classes during a spring semester at UNSW: 1 summer class and 3 classes during the trimester.

Note 2: BME students will need to register for an online section of BME 2815. Email seasadvising@gwu.edu for more information.

Note 3: APSC 3115 can be taken their fifth semester.

Note 4: If a BME Student takes ECE 3220 abroad, they will need to take a restricted Engineering elective their fifth semester.

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University of Sydney – Sydney, Australia

Ivy-covered sandstone buildings reflecting a colonial heritage alongside modern structures modeling the country's high tech and multicultural future, on a campus at the fringe of Sydney's Central Business District are architectural symbols of the University of Sydney's place in Australia's past and future.

Founded in 1850, the University of Sydney is Australia's oldest university and one of the original members of the prestigious Sandstones (the country's Ivy League equivalent). The energetic, diverse campus enrolls over 49,000 students from 134 national backgrounds, with almost 11,000 international students.

Majors: Applied Science + Technology (AST)#, Biomedical Engineering (BME), Computer Science (CS)#, and Systems Engineering (SE)#

 # See sections for Systems Engineering, Applied Science + Technology, and Computer Science options

Transfer Credits Ratio: 3:2 (Australian 6 credits is USA 4 credits, Aus 12 credits is USA 8, etc)

GW | Engineering

University of Sydney – Sydney, Australia

BME	
GW Course	**Abroad Equiv.**
BME 2815	*See Note 1*
ECE 2210	HSSNT elective *See Note 4*
Programming Elective 1	HSSNT elective *See Note 2*
Restricted Engineering Elective 1	Choose two of the following: ELEC 2602 (ECE 2140), MECH 3260 (MAE 2131), or ELEC 3305 (ECE 3220) *See Note 3*
Restricted Engineering Elective 2	
HSSNT elective	Variable

Note 1: BME students will need to register for an online section of BME 2815. Email seasadvising@gwu.edu for more information.

Note 2: The programming elective can be taken in the fifth semester. Either an additional technical or HSSNT elective will need to be taken.

Note 3: If a BME Student takes ECE 3220 abroad, they will need to take a restricted Engineering elective their fifth semester.

Note 4: ECE 2210 can be taken in the sixth semester. Either an additional technical or HSSNT elective will need to be taken. This also means that ECE 3220 will be taken before ECE 2210, meaning the class abroad may require more on your own learning.

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Queen Mary University of London – London, England

Queen Mary, University of London is ranked among the top 100 universities in the world. It is located in London's vibrant East End and offers programs in business, social sciences, natural sciences, arts, engineering and mathematical sciences. Queen Mary features the largest self-contained campus in inner London and a highly diverse student body. It offers the advantage of on-site housing, dining and athletic facilities without the commute which is typical of most London institutions. The campus also hosts an active social scene with clubs, volunteer organizations and cultural activities. Queen Mary's campus is only a 15 minute tube ride from many of the attractions of London, with the closest underground station only a five minute walk from the campus. The East End is one of the most exciting and culturally diverse areas of London, with street markets, parks, cafes, restaurants, pubs, museums and galleries. Queen Mary is one of the most internationalized universities in the UK with 30% of its 11,000 undergraduate students coming from 130 countries. Visiting students live in university housing with both UK and international students.

Majors: Applied Science + Technology (AST)[#], Biomedical Engineering (BME), Computer Science (CS)[#], and Systems Engineering (SE)[#]

 # See sections for Systems Engineering, Applied Science + Technology, and Computer Science options

Transfer Credits Ratio: All engineering and computer science courses transfer 1 to 1

GW | Engineering

Queen Mary University of London – London, England

BME	
GW Course	**Abroad Equiv.**
BME 2815	*See Note 1*
ECE 2210	ECS 515U
Programming Elective 1	HSSNT elective *See Note 2*
Restricted Engineering Elective 1	ECS 602U (ECE 3220), MTH 4106/MTH 4206 (APSC 3115), or ECS 504U (ECE 3310) *See Note 3 and Note 4*
Restricted Engineering Elective 2	
HSSNT elective	Variable

Note 1: BME students will need to register for an online section of BME 2815. Email seasadvising@gwu.edu for more information.

Note 2: The programming elective can be taken in the fifth semester. Either an additional technical or HSSNT elective will need to be taken.

Note 3: If a BME Student takes ECE 3220 abroad, they will need to take a restricted Engineering elective their fifth semester.

Note 4: If a BME Student takes APSC 3115 abroad, they will need to take a restricted Engineering elective their sixth semester.

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Programs for Applied Science + Technology (AST), Computer Science (CS), and System Engineering (SE)

AST, SE and CS have a lot of flexibility with the courses they can take abroad and sometimes course can be moved around as needed. In addition, CS students go abroad their spring semester of their Junior year because that semester requires mostly elective coursework

Some locations AST, CS, and SE students have studied abroad:

- Korea University, Seoul South Korea
- Queen Mary, London England
- University of South Wales, Sydney Australia
- University College Dublin, Dublin Ireland
- Hong Kong University of Science and Technology (CS)

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Programs for Applied Science + Technology (AST), Computer Science (CS), and System Engineering (SE)

Applied Science + Technology (AST)	Computer Science (CS)		Systems Engineering (SE)
Term: Varies	**Term: Spring of Junior Year**	**Term: Varies**	**Term: Spring of Sophomore Year**
AST students can study abroad during their sophomore or junior year with advance discussion with faculty advisors to determine what courses must be identified.	**BS**	**BA**	Although SE students study abroad during the spring of their sophomore year it is important to discuss with their faculty advisor the planned course selection as this will vary greatly between students as the curriculum has flexibility in sequencing.
	Although CS (BS) students study abroad during the spring of their -junior year it is important to discuss with their faculty advisor the planned course selection as this will vary greatly between students as the curriculum has flexibility in sequencing.	CS (BA) students can study abroad during their junior year with advance discussion with faculty advisors to determine what courses must be identified.	
	Statistics or Linear Algebra Requirement		EMSE 2705
	CS Technical elective		EMSE 3815
	HSSNT Elective		EMSE 4765
	General Elective 1		Humanities Elective
	General Elective 2		PHIL 2135

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STUDY ABROAD QUICK OVERVIEW

Pre-Decision

- Meet with your advisors listed below to discuss course requirements and program options.

- Submit a complete Study Abroad UAF to the SEAS Advising office signed by your Faculty Advisor

- Obtain course approval for all courses in CATS

- Double check all courses offerings at the college/university you are planning to attend

- Complete GW and provider Applications on GW Passport.

Post-Decision

- Decide on a program and withdraw from programs you are not attending.

- Complete Pre-Departure Orientation and logistics on Passport.

- Visa application if necessary.

- Take care of all personal responsibilities in the US.

While Abroad

- Enjoy your time abroad!

- Work with your faculty advisor to register for classes for the semester you return.

- Look out for emails from your study abroad provider and GW.

Returning

- Make sure all CATS course requests are complete.

- Check degree map to make sure classes were transferred correctly.

- Complete all GW Passport requirements.

- Attend returnee events!

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Who is Here to Help?

It is recommended to talk to your faculty advisor to figure out what classes you need to take abroad as soon as possible. Then look at GW Passport/CATS and talk to your Study Abroad Advisor to see where you can go!

Study Abroad Advisor	Faculty Advisor	Professional Advisor
They will advise you through the GW CATS and Passport process and all pre-departure to study abroad material. This advisor helps with everything study abroad except deciding which classes you need to take. This advisor can help you navigate GW Passport and apply to programs on Passport.	They will help you figure out what classes you need to take your semester abroad and how you can work around classes to do the program you desire if need be. This advisor needs to sign off on your Undergraduate Advising Form (UAF) for Study Abroad found on the SEAS Forms webpage: https://www.seas.gwu.edu/forms They are also the advisor to help troubleshoot course changes and challenges.	They will assist you with common SEAS study abroad questions and direct you to various resources. You will submit a the Undergraduate Advising Form (UAF) for Study Abroad once signed for processing via seasadvising@gwu.edu and they will mark the requirement complete in GW Passport. Additionally, this advisor can assist with basic questions about submitting course approval via CATS and will mark the CATS requirement complete in GW Passport once all your courses have been approved.

Contact Us | **Study Abroad Advisor:** studyabr@gwu.edu   **SEAS Abroad Advising:** seasabrd@gwu.edu

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