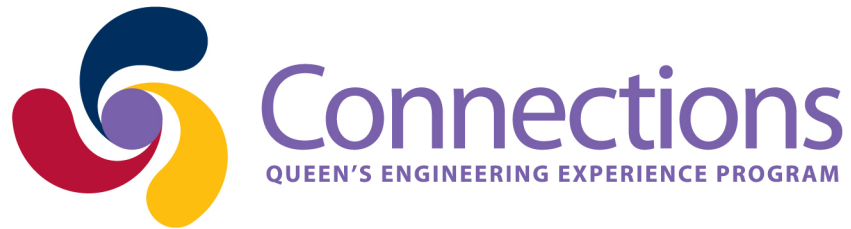




FACULTY OF  
Engineering and  
Applied Science



## **Queen's Summer Engineering Academy (QSEA)**

2019 - Residence Information Guide



## Connections: Queen's Summer Engineering Academy (QSEA) 2019 – Residence Information Guide

Thank you for choosing to participate in the Queen's Summer Engineering Academy (QSEA). To learn more about Queen's Engineering, we invite you to watch a few videos from our Vimeo webpage at the following link: <https://vimeo.com/queensengineering>. You can also check out the Connections on Facebook at [www.facebook.com/ConnectionsQueensEngineering](http://www.facebook.com/ConnectionsQueensEngineering) or follow us on Twitter at @QEngConnections. This document provides you with important information about the QSEA program. If you have any questions, please feel free to contact us:

Scott Compeau	Office: 613-533-6000 ext. 75640
Queen's Faculty of Engineering and Applied Science	Cell: 1-343-364-1975
Connections: Queen's Engineering Experience Program	Email: <a href="mailto:eng.connections@queensu.ca">eng.connections@queensu.ca</a>
B010 Jackson Hall	Web: <a href="http://queensconnections.ca/">http://queensconnections.ca/</a>
Queen's University, Kingston, ON K7L 3N6	

### Drop-off and Pick-up:

Students should be dropped off (or arrange to arrive) at the residence (Watts Hall) between 3:30 PM and 5:00 PM on the Sunday prior to your registered course, and be picked up at the same location at 1:00 PM on the Friday. For more information about the residence room, please check out: <https://residences.housing.queensu.ca/our-buildings/building-descriptions/watts-hall/>

### Daily Arrival and Departure:

#### Arrival

8:50 AM (programming starts at 9:00 AM)  
Beamish-Munro Hall 2<sup>nd</sup> Floor Back Atrium  
45 Union Street West  
Kingston ON, K7L 3N6

#### Departure

4:00\* (Mon-Thurs) | 1:00 PM (Fri)  
Beamish-Munro Hall front atrium  
45 Union Street West  
Kingston ON, K7L 3N6

\*On most days programming will end at 4:00 PM. However, depending on the course there is a chance that the workshops will finish close to 4:30 PM on that day. A detailed campus map is available online at: <http://www.queensu.ca/campusmap>

### Late Arrivals and Early Departures:

Any students who will be arriving late (after 5pm) or leaving early must let Scott Compeau know as soon as possible so that alternate supervision arrangements can be made. Connections can provide students leaving Kingston via public transportation with a taxi chit for their trip to the train or bus station.



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### Course Offerings:

Date	Course Option	Grade	Price		Course Description
			(Commuter/Residence)		
July 8, 2019 – July 12, 2019	Engineering 101	9-11	\$450	\$1250	Engineering 101: Design, Mechanical, Civil, Chemical, Electrical and Mining
	Designing a Prosthetic Limb	9-11	\$450	\$1250	Designing a Prosthetic Limb: Innovating solutions through a multi-disciplinary approach
	Jr. Engineering Design	5-6	\$250	NA	Using engineering design to create sustainable solutions for today's challenges.
	Int. Coding and Robotics	7-8	\$250	\$1050	Designing autonomous systems: Using robotics to automate community-based systems
July 15, 2019 – July 19, 2019	Applied Science 101	9-11	\$450	\$1250	Applied Science 101: Design, Eng. Physics, Geological, Civil, Eng. Chem., Applied Math
	Designing a Hyperloop Vehicle	9-11	\$450	\$1250	Designing a Hyperloop Vehicle: Innovating solutions through a multi-disciplinary approach
	Jr. Coding and Robotics	5-6	\$250	NA	Exploring space: Using robotics to engineer solutions for space exploration and colonization
	Int. Engineering Design	7-8	\$250	\$1050	Using engineering design to create sustainable solutions for today's challenges
July 22, 2019 – July 26, 2019	Engineering 101	9-11	\$450	\$1250	Engineering 101: Design, Mechanical, Civil, Chemical, Electrical and Mining
	Designing a Prosthetic Limb	9-11	\$450	\$1250	Designing a Prosthetic Limb: Innovating solutions through a multi-disciplinary approach
	Jr. Engineering Design	5-6	\$250	NA	Using engineering design to create sustainable solutions for today's challenges.
	Int. Coding and Robotics	7-8	\$250	\$1050	Designing autonomous systems: Using robotics to automate community-based systems
July 29, 2019 – August 2, 2019	Applied Science 101	9-11	\$450	\$1250	Applied Science 101: Design, Eng. Physics, Geological, Civil, Eng. Chem., Applied Math
	Designing a Hyperloop Vehicle	9-11	\$450	\$1250	Designing a Hyperloop Vehicle: Innovating solutions through a multi-disciplinary approach
	Jr. Coding and Robotics	5-6	\$250	NA	Exploring space: Using robotics to engineer solutions for space exploration and colonization
	Int. Engineering Design	7-8	\$250	\$1050	Using engineering design to create sustainable solutions for today's challenges
August 6, 2019 – August 9, 2019	Engineering 101	9-11	\$375	\$1175	Engineering 101: Design, Mechanical, Civil, Chemical, Electrical and Mining
	Designing a Prosthetic Limb	9-11	\$375	\$1175	Designing a Prosthetic Limb: Innovating solutions through a multi-disciplinary approach
	Jr. Engineering Design	5-6	\$200	NA	Using engineering design to create sustainable solutions for today's challenges.
	Int. Coding and Robotics	7-8	\$200	\$850	Designing autonomous systems: Using robotics to automate community-based systems
August 12, 2019 – August 16, 2019	Applied Science 101	9-11	\$450	\$1250	Applied Science 101: Design, Eng. Physics, Geological, Civil, Eng. Chem., Applied Math
	Designing a Hyperloop Vehicle	9-11	\$450	\$1250	Designing a Hyperloop Vehicle: Innovating solutions through a multi-disciplinary approach
	Jr. Coding and Robotics	5-6	\$250	NA	Exploring space: Using robotics to engineer solutions for space exploration and colonization
	Int. Engineering Design	7-8	\$250	\$1050	Using engineering design to create sustainable solutions for today's challenges





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### Residence Information:

Residence placements rooms are released upon arrival and will remain firm. All residence rooms will be single occupancy but will have a shared bathroom with one other student. Requests for roommate (person sharing the bathroom) are not guaranteed but the staff will try our best to accommodate requests. Each evening, students must be in their own room with lights out by 11:00pm.

*Some things that you may want to bring to the program:*

- Clothing: appropriate clothes for classroom (including labs, theaters, gyms, etc.) activities (dance, sports, etc.) and outdoor walking and games. Closed toe shoes and long pants are required in the labs and some activities.
- Writing tools (pencil case)
- Sunscreen
- Raincoat
- Water Bottle (that may be refilled)
- Camera
- Toiletries (toothbrush, toothpaste, soap, shampoo, washcloth)
- Alarm clock
- Bath towel
- Ear plugs (for residence if you are a light sleeper)
- Snacks (not requiring fridge or microwave)
- Sunglasses

### Code of Conduct:

All registrants have reviewed the [Code of Conduct](#) during the registration process and will be required to adhere to it during the entire program.

### Drugs and Alcohol:

Connections QSEA students are not permitted to possess/consume drugs or alcohol. The Academy has a “Zero Tolerance” policy for drugs and alcohol and students found to be in violation of this policy will be sent home immediately at their own expense.

### Meals:

Queen's University is NOT a nut free environment. As a courtesy to students with allergies, please refrain from bringing nut products to campus. The cafeteria will accommodate students based on the medical information provided in your online profile. Breakfast, lunch and dinner is included in the program tuition and will be served in the Leonard Hall Cafeteria and students will have a wide range of foods from which to choose. Vegetarian and gluten-free options are available.

*For more information or for a list of ingredients or products used in the Leonard Hall cafeteria, please contact Event Services at 613-533-2223, or visit the Food Services website at [Food Services](#). We recommend that students bring snacks with them if they want to eat outside of regular meal times.*





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### Supervision:

All Connections QSEA Student Supervisors are Queen's students who have been specifically selected for their enthusiasm for working with students. All of our student supervisors are trained in first aid. The first aid coordinators will also work closely with Campus Security to ensure the safety and well-being of students. All students will attend an orientation with their supervisor and group and are given a campus tour. During instructional time, supervision will be solely provided by Connections QSEA staff.

### Spending Money:

Students may want to bring additional money to purchase merchandise or keepsakes from the Campus Bookstore.

### Evening Activities and Supervision:

Students will be participating in a variety of supervised extracurricular activities during the evenings of the program. Some examples of these activities include escape rooms, tour of downtown Kingston, swimming, movie nights, etc.

Trained QSEA staff supervise all evening activities and stay with the students in residence. QSEA staff will monitor the residence hallways periodically throughout the night in order to ensure student safety.

### Cancellations and Refunds:

All registrants reviewed and accepted the terms and conditions of the [Cancellation & Refund Policy](#) when completing their registration. Any withdrawals must be made in writing and any refunds will be made in accordance with the policy.

### Photography:

Occasionally photographs and filming will occur for use in marketing the Connections QSEA. As such, all registrants will be asked to review and accept the terms and conditions of a Photo Waiver as part of the registration package. If this is of concern, please contact Scott Compeau.

### Special Accommodations:

Queen's University is committed to facilitating the integration of persons with disabilities into the University community. If you require any special accommodations to attend our programs, please contact Connections staff and we would be happy to assist you.

### IMPORTANT Notes:

- The Connections QSEA program cannot accept responsibility for loss or damage to personal possessions. Please refrain from bringing valuables with you to campus.





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- SAFETY EQUIPMENT: In order to ensure students health & safety, ***closed toe shoes and long pants are required*** in all Queen's laboratories. If the student arrives to the Academy without them, they will be required to purchase some in Kingston. It is also recommended that students bring a set of clothing for hands-on/messy days.

### Lost and Found:

Any items collected as lost and found will be held at the Connections or ESU office for 30 days from the program completion date. Please contact us if you suspect you may have lost something during your visit to Queen's University. After 30 days, all lost and found items will be donated to charitable organizations.

### Exciting opportunity to participate in research:

Here in the Faculty of Engineering and Applied Science at Queen's, we place high value on research. At QSEA, we will be offering the students the opportunity to participate in a research study that is going to help advance the field of engineering. The Queen's Biomechanical Engineering research team is in the process of designing a Kinematic Arm to study how age affects the ability to think, feel, and react to robotic activities. All students attending QSEA will have the opportunity to do so, if they wish. ***The opportunity to participate in any research study will be complete voluntary, anonymous, and all participants will have the right to remove themselves at any point.***



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