



FACULTY OF
Engineering and
Applied Science



Queen's Summer Engineering Academy (QSEA) Junior and Intermediate

2019 - Commuter Information Guide



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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 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: eng.connections@queensu.ca
300 Beamish-Munro Hall	Web: http://queensconnections.ca/
Queen's University, Kingston, ON K7L 3N6	

Drop-off and Pick-up:

Arrival

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

Departure

4:00PM
Beamish-Munro Hall 2nd Floor Back Atrium
45 Union Street West
Kingston ON, K7L 3N6

*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 in the morning or leaving early in the afternoon must let Scott Compeau know as soon as possible so that alternate supervision arrangements can be made (if necessary).

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.



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Course Schedule:

Date	Course Option	Grade	Price (Commuter/ Residence)		Course Description
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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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. Lunch is NOT included in the program tuition and students are expected to bring their own lunches to campus Monday – Thursday. Connections will be providing a pizza lunch to students on Fridays. Please advise Connections of any dietary restrictions.

Supervision:

All 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. Two specially selected first aid coordinators 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 QSEA staff.

Spending Money:

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

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 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.
- 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





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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 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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