



# CREATE-U

Combining Research Experience and Technical Electives for Undergraduates

## WHY RESEARCH?

Because you like asking questions

Because you can learn how to find answers

Because you want to know more

Because you want to make a contribution to what we know



## WHY CREATE-U?

A supportive environment and cohort approach to research

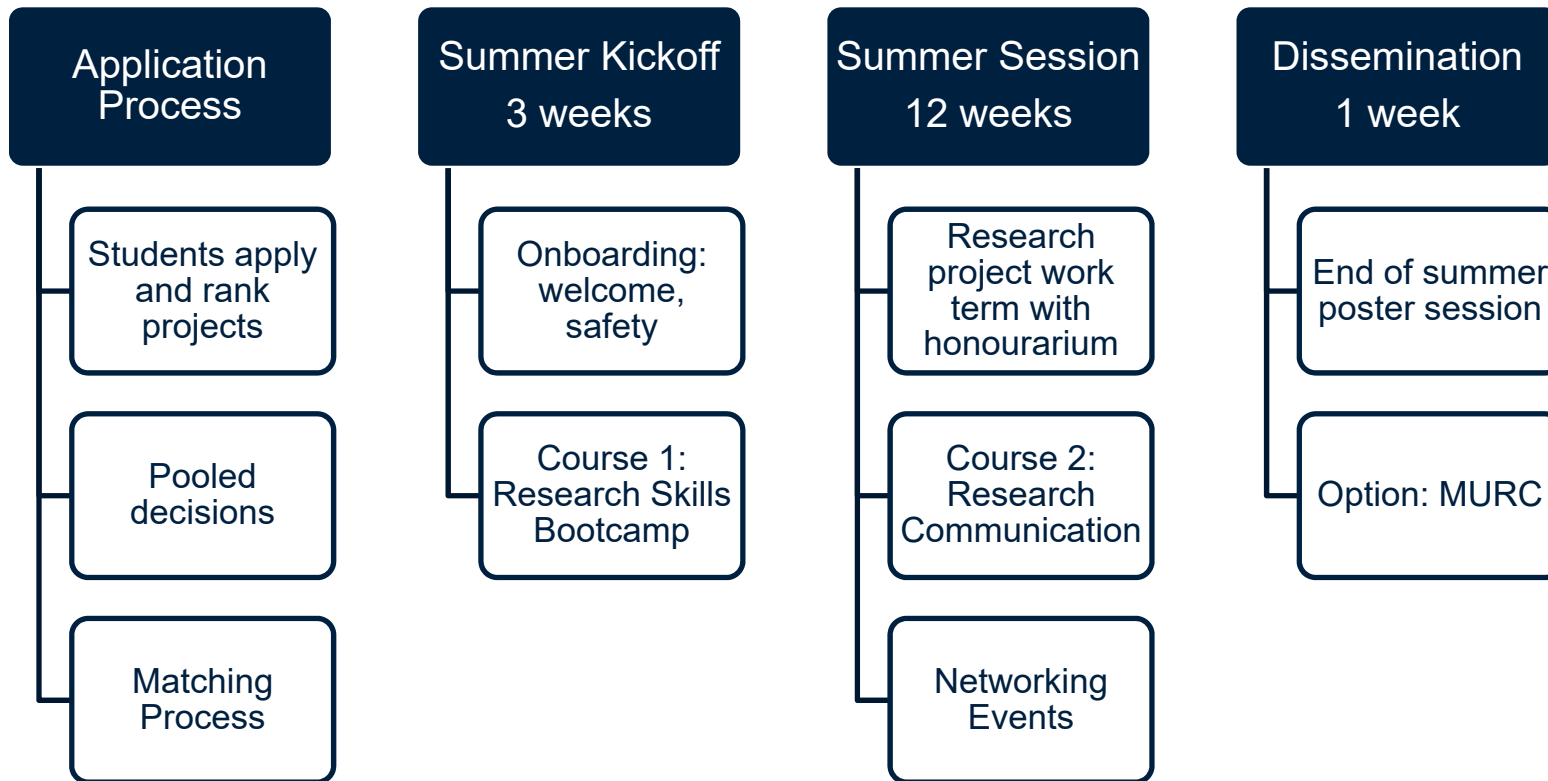


Courses that complement and support your work

Counts as two\* technical electives + Co-op!

Broad based entrance (minimum GPA 76% in 200-level +)

## WHAT CREATE-U LOOKS LIKE



## APPLY

November 23 – December 13

- 4 questions + unofficial transcript
- Project posting ranking

Minimum GPA - 76% average  
in 200-level and higher courses  
Exception: GPA for students in Year 2  
will include 100-level courses

What motivated you to apply for  
CREATE-U?

What is something you are (or have  
been) curious about? How have you  
explored this interest?

Describe a challenge you have faced  
- academically, professionally, or  
personally - and how you overcame it.

Describe a problem you had that did  
not have an obvious path to a  
solution. What did you do?



## POOLED DECISIONS

8 spots available for summer 2021



Broad-based admission – GPA is 1/6 of score

Looking for indicators of research potential

- Direct experience not necessary
- How you solve problems, technical or otherwise

## MATCHING PROCESS

Top applicant = 1st choice placement  
2<sup>nd</sup> place applicant = 1st choice placement unless same as top applicant, then 2<sup>nd</sup> choice  
etc.



After placements – informational interview

- Applicant or supervisor can decline if the match is a poor fit

## MECH 410G RESEARCH SKILLS

Bootcamp format at start of summer - 3 hours / day for 3 weeks

By the end of this course, students should be able to:

- Explain how research is funded and disseminated
- Conduct a literature review
- Critically evaluate papers from the literature, including statistics
- Create a clearly defined and measurable research question
- Describe the purpose and structure of research conferences
- Explain how research structures (eg. funding, hiring) influence equity, diversity and inclusion (EDI) in research, and how this impacts the public





## **SUMMER MAIN SESSION – 13 WEEKS – RESEARCH WORK TERM**

30 hours / week for 13 weeks

\$6000 compensation

Research lab in UBC Mech



## MECH 410H/550U RESEARCH COMMUNICATION

By the end of this course, students will be able to communicate their research through a variety of genres, in a way that is understandable, relevant, and persuasive to audiences of varied backgrounds. Specifically, students will present their research in the following forms:

- Narrative literature review that builds on work done in MECH 410G
- NSERC Outline of proposed research
- Extended research abstract
- Poster presentation, which can then be presented at the Multi-disciplinary Undergraduate Research Conference (MURC)
- Academic journal article (for 500-level only\*)

*\* Students who meet the Faculty of Graduate Studies requirements can take this course at the 500 level*



## NETWORKING EVENTS AND MENTORSHIP

Graduate student mentor assigned to each student (typically working on the same or similar project)



Networking events for all students and mentors, and select faculty members

- Topics will vary
  - What a career in academia looks like
  - What an industry research career looks like
  - Communicating with your supervisor
  - What you do when you hit a research roadblock

## TIMELINE

- Apply! November 23 – December 13
- Results Announced: January 6
- Informational interviews: early January
- CREATE-U Dates: May 3 – August 24, 2020
- + Poster Session (early September)
- MURC (optional): March 2022





THE UNIVERSITY OF BRITISH COLUMBIA