U of A Faculty of Engineering DiscoverE Engineering & Science Camps

Volunteer Role: Summer Camp Mentor

Time Commitment: One mentor session (approximately one hour)
Location: University of Alberta North Campus

Please submit the mentor information form [here](#).

Volunteer Role Description

DiscoverE was founded in 1993 with the goal to increase diversity and inclusion in the engineering and science fields. Today our goal remains the same, with a focus on engineering. Each year our audience grows and we are able to bring our programs to new locations within. In the last 29 years, our programs have been able to reach over 500,000 young Canadians across Alberta, British Columbia, Saskatchewan and the Northwest Territories.

Our program has worked hard to create an innovative and successful legacy, and we are currently looking for experienced professionals, graduate students and undergraduate students to share their passion for engineering and technology with our summer camp participants. Mentors can volunteer to present their experience in the STEM fields and answer any questions kids might have. Mentors help inspire and educate our participants about the potential fields they could go into one day.

Summer Camp Description

DiscoverE’s summer camps provide an opportunity for youth in Kindergarten to Grade 8 to complete exciting projects and challenges across engineering, science, technology, and math. Participants will develop problem-solving and practical skills required to be successful in engineering and science. Summer camps run during the months of July and August for a total of 7 weeks.
Time Commitment & Availability

There are three levels of mentorship available:

- **Level 1**
  - This level of mentoring requires the least amount of commitment. Mentors at this level come into the camp room to help campers with projects that are already running during the camp day. In addition to helping with the scheduled projects in the camp, mentors will often provide a brief description of themselves and the work they do in a STEM-related field on an informal level (conversational, no formal presentation is required).

- **Level 2**
  - This level of mentoring requires a moderate amount of commitment. Mentors at this level create and share a formal presentation about themselves, the work they do in a STEM-related field, and interesting information about their current research/work or developments in their field of study. In addition to a presentation, these mentors will often bring in a demonstration of their work for participants to interact with or see. If applicable, mentors in this level could potentially offer campers a tour of their facility or lab on campus.

- **Level 3**
  - This level of mentoring requires the most amount of commitment. Similar to mentors in the Level 2 category, these mentors will create and share a formal presentation about themselves and the work they do in a STEM-related field. In addition to the presentation, they will create, implement, and facilitate a hands-on project of their own creation during their visit. If applicable, these mentors may also offer campers a tour of their facility or lab on campus, and may even facilitate an activity in their lab space (i.e. participants extracting DNA or performing a gram stain).

While these levels provide a general outline of what our mentors will do during their visits to our summer camps, we are open and flexible to any combination of commitment to meet our mentors’ needs. DiscoverE will provide AV equipment for presentations.
Duties & Responsibilities

● Sharing your knowledge and experience in STEM in an age-appropriate manner with the camp participants
● Ensuring participants are safe during any activities

Qualifications

● Previous experience or interest in gaining experience working with youth
● Must be a professional, graduate student or undergraduate student in the science, technology, engineering or math (STEM) fields
● Ability to convey excitement, enthusiasm, and knowledge about science, technology, engineering, and math
● Positive role model
● Public speaking
● Active listening
● Leadership and confidence
● Previous experience with DiscoverE is an asset