Faculty of Applied Science & Engineering

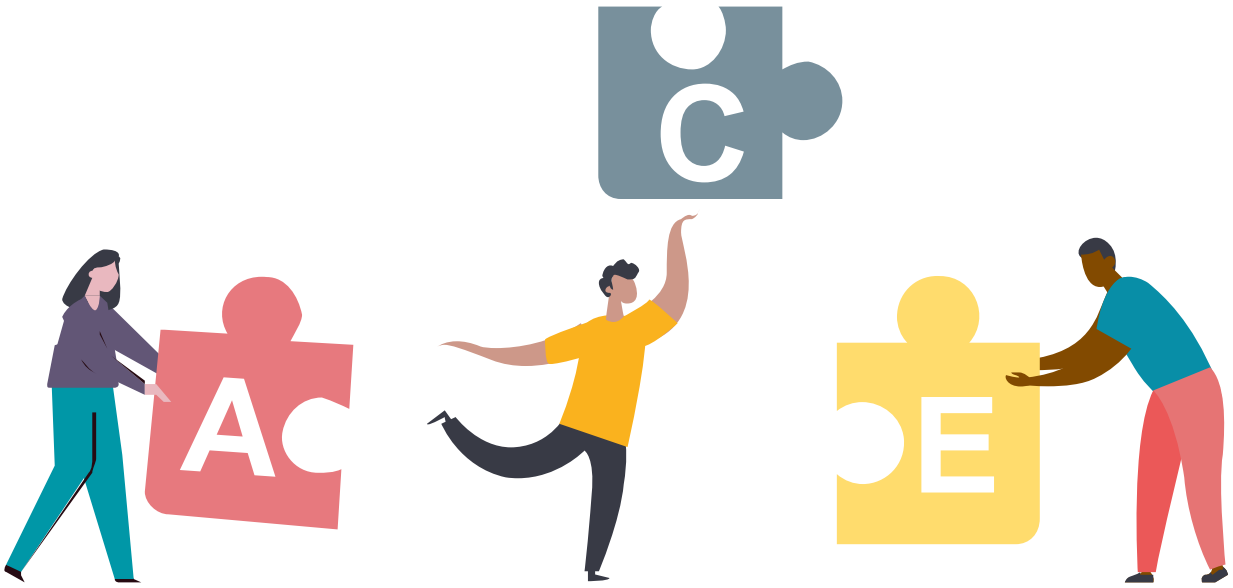
ACE Learning Skills Program

BUILD YOUR EXPERIENCE . TELL YOUR STORY .
CCR APPROVED

Faculty of Applied Science & Engineering

ACE Learning Skills Program

Achieve. Connect. Engage.



Achieve

Achieve new skills and competencies by embracing learning, taking on challenges, and adapting along the way.

Connect

Connect new knowledge with past experiences and apply your skills in real-world contexts.

Engage

Engage with peers, staff, and faculty to enhance your skills in a supportive and effective learning environment.

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The **ACE Learning Skills Program** is a co-curricular opportunity for Engineering students at U of T to develop skills that support academic success, personal growth, and career readiness.

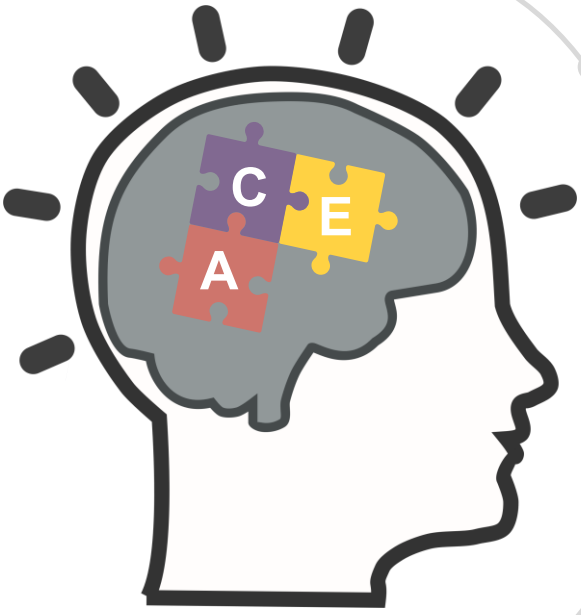
Through interactive, hands-on workshops across six key competencies, students can:

- Strengthen lifelong learning skills
- Smooth their transition into and out of university
- Prepare for professional life
- Be recognized for their skills and growth

Earn a co-curricular certificate while building connections and becoming a confident, well-rounded learner.

Learn more and sign up: uoft.me/ACE

Learning Competencies



01 COGNITIVE
creativity, critical thinking, learning to learn, focus, memory, problem-solving

02 COMMUNICATION
oral, written, listening, data visualization, digital

03 INTERPERSONAL
teamwork, networking, social, intercultural competency, EDI, leadership

04 RESEARCH
information literacy, assessments, hypotheses, writing grant proposals

05 SELF-IMPROVEMENT
self-reflection, health and wellness, time-management, motivation, dealing with procrastination, professionalism

06 DIGITAL LITERACY
statistical analyses, calendars, Microsoft 365: SharePoint, Excel, MS Teams, PowerPoint

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How does this Certificate Program Work?

Through a dynamic series of hands-on, interactive workshops, **ACE (Achieve, Connect, Engage) Learning Skills Program** fosters essential skills that extend beyond the traditional classroom experience. Workshops are built around six key learning competencies that are critical for both academic excellence and professional readiness:

- **Cognitive Skills** – Enhancing critical thinking, analytical reasoning, and effective problem-solving
- **Communication** – Developing clear, concise, and impactful verbal, written, and visual communication
- **Interpersonal Development** – Strengthening teamwork, leadership, and emotional intelligence
- **Research** – Building strong research practices, information literacy, and evidence-based inquiry
- **Self-Development** – Fostering resilience, goal-setting, time management, and reflective practice
- **Digital Literacy** – Increasing proficiency with digital tools, online collaboration, and data management

The offerings and durations of workshops vary from year to year to align with emerging trends, evolving student needs, and the demands of the ever-changing engineering landscape.

To qualify for validation on the Co-Curricular Record (CCR), you must:

1. Attend three or more workshops per academic year.
2. Ensure that these workshops cover at least two different competency areas.
3. Submit completed handouts or activities, along with a one-page reflection describing how you have **achieved, connected,** and **engaged** with the new skills acquired during that academic year.

Students can earn multiple CCR validations, one per academic year, throughout the duration of their degree.

What Would Students have on their CCR?

Date	The academic year in which CCR credit was earned
Opportunity	ACE Learning Skills Program, Faculty of Applied Science and Engineering
Position Title	Certificate Recipient
Purpose & Description	Recipients committed to developing their academic learning skills, interpersonal, time-management, research, communication, critical thinking skills by attending at least six interactive workshops within ACE Learning Skills Program.
Learned Skills	Reflective Thinking, Goal-Setting and Prioritization, Knowledge Application to Daily Life, and Critical Thinking

1

Reflective Thinking:
Intentionally examines previous assumptions and experiences during or following the learning opportunity; Applies previously understood information, concepts, and experiences to a future situation or setting

2

Goal-Setting and P)rioritization:
Sets individual goals; articulates rationale for personal and educational goals and objectives; articulates and makes plans to achieve short-term and long-term goals and objectives; understands principles of time management

3

Knowledge Application to Daily Life:
Seeks new information to solve problems; relates knowledge to academic, career, and life decisions; articulates life choices based on assessment of interests, values, skills, and abilities; demonstrates evidence of knowledge, skills, and accomplishments resulting from academic, co-curricular, and extra-curricular experiences; makes connections between diverse learning experiences

4

Critical Thinking:
Identifies opportunities, problems, questions, and issues; analyzes, interprets, and evaluates the relevance and quality of information; assesses assumptions and considers alternative perspectives and solutions

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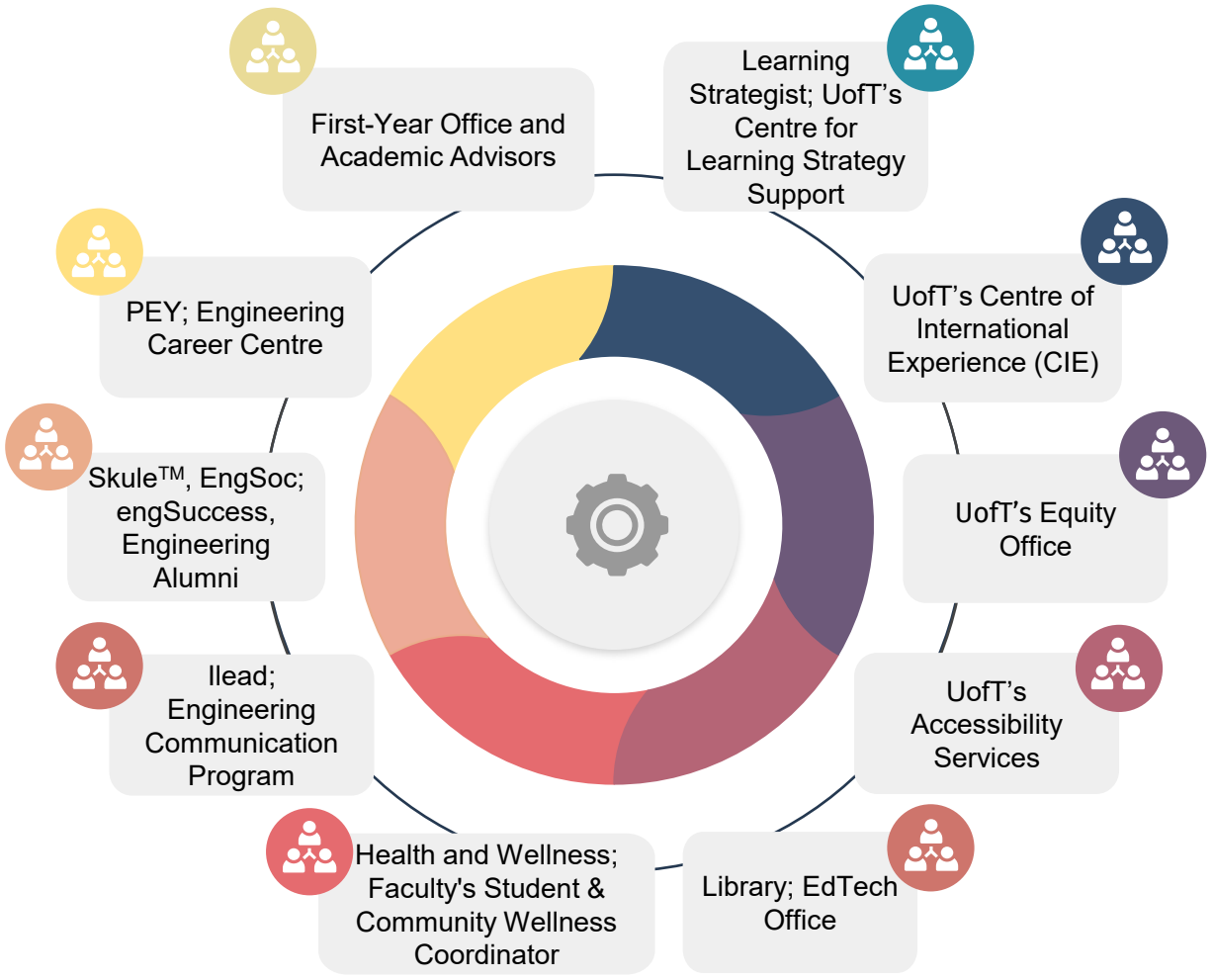
Our Partners

We have partnered with students, staff, faculty, campus services, and alumni across the University of Toronto to deliver ACE interactive, hands-on workshops that support the success of our Engineering students.



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For more information visit:

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