

FIRST-YEAR FOUNDATIONS FOR ENGINEERING STUDENTS

To help students prepare for and transition into first-year studies at U of T Engineering, we offer a range of programs and workshops throughout the summer. While each program addresses different needs, all programs provide students with the opportunity to become familiar with the campus, meet future classmates and leave with valuable insight from current students and professors — making students feel more confident and prepared for September.



UNIVERSITY OF TORONTO
FACULTY OF APPLIED SCIENCE & ENGINEERING

COMPUTER PROGRAMMING

1 Week

Since computer programming experience is not required for entry into first-year engineering studies, students sometimes find this aspect of their coursework challenging. Designed for students with little or no previous computer programming experience, this course covers many key building blocks of programming, including sequence selection (branching), repetition (loops) and functions (sub-programs). While gaining exposure to the creative problem-solving skills needed for success in first year, students will learn to create algorithms and write C language program code to implement algorithms. Students will also complete a small interactive game project to keep the learning process in context.

PROGRAM DATES

August 12 – 16 (Monday – Friday)

9:00 a.m. – 5:00 p.m.

REGISTRATION & COST

The fee for this program is **\$660**. Please register at uoft.me/fyf2013 by **Monday, July 29**.

ENGINEERING DESIGN 101

1 Week

Communication and design skills are integral to being an effective engineer. As such, all first-year U of T Engineering students are required to take design courses. Engineering Design 101 prepares students for their first-year design courses by building confidence and skill in engineering design, thinking and communication. The program includes an in-class reverse engineering project and a design challenge to practice skills such as:

- ☐ working in a team
- ☐ taking apart a device to analyze the engineering decisions involved in its construction
- ☐ learning to document the process in a professional manner
- ☐ reflecting upon design to determine social and environmental dimensions of the engineering decisions
- ☐ making an oral presentation for a proposed design

PROGRAM DATES

August 19 – 23 (Monday – Friday)

9 a.m. – 5 p.m.

REGISTRATION & COST

The fee for this program is **\$660**. Please register at uoft.me/fyf2013 by **Monday, August 5**.

SUCCESS 101

3 Days

The biggest challenge in transitioning to university involves adjusting to new styles of learning, time management, studying and note taking. This program is designed to teach the specific skills needed to be successful in first-year studies. Students will also meet their future classmates and learn from upper-year students and professors. Success 101 is repeated three times over the summer to accommodate as many students as possible while retaining small class sizes.

CHOOSE ONE SESSION:

July 24–26 (Wednesday – Friday) | 1 p.m. – 5 p.m.

August 7–9 (Wednesday – Friday) | 1 p.m. – 5 p.m.

August 28–30 (Wednesday – Friday) | 1 p.m. – 5 p.m.

REGISTRATION & COST

This program is **free of charge**.

Please register at uoft.me/fyf2013

Please note: *Topics reviewed in Engineering Learning Skills are also covered in Success 101. For this reason, students who register for Success 101 should not register for Engineering Learning Skills.*

ENGINEERING STUDY SKILLS

1 Day

For students who have a tight summer schedule, Engineering Learning Skills is a great way to get a head start before September while getting to know the campus and future classmates. These sessions are designed to help students prepare for the academic challenges of first year, including time management and effective note taking.

CHOOSE ONE SESSION:

Wednesday, August 14 | 6 p.m. – 7:30 p.m.

Thursday, August 22 | 6 p.m. – 7:30 p.m.

Tuesday, August 27 | 6 p.m. – 7:30 p.m.

REGISTRATION & COST

This program is **free of charge**.

Please register at uoft.me/fyf2013

ACADEMIC ORIENTATION

1 Day

Offered by the First Year Office, Academic Orientation provides students with an overview of first-year essentials, such as how to prepare for September and available resources. These sessions are a great forum for asking questions and meeting future classmates.

CHOOSE ONE SESSION:

Tuesday, August 6 | 6 p.m. – 7:30 p.m.

Monday, August 26 | 6 p.m. – 7:30 p.m.

REGISTRATION & COST

This program is **free of charge**.

Please register at uoft.me/fyf2013

**FOR INFORMATION ABOUT FIRST YEAR FOUNDATIONS PROGRAMS,
PLEASE VISIT UOFT.ME/FYF2013**

FIRST YEAR OFFICE

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