

A GUIDE TO KEEP YOUR FIRST YEAR RUNNING SMOOTHLY. *2022-23*

A WELCOME MESSAGE



Congratulations! Your journey to become an engineer has started. On behalf of our staff and faculty members, I would like to welcome you to Engineering at Ontario Tech.

As students in the Faculty of Engineering and Applied Science, you are enrolled in one of our six engineering programs: Automotive, Electrical, Manufacturing, Mechanical, Mechatronics, Nuclear or Software Engineering. In addition, our Faculty offers a Healthy Physics and Radiation Science program. Some of you have not made up your mind yet, and are enrolled in the comprehensive program, and will make up your mind by the end of this year. Some of you might also choose to specialize in your discipline. For example; the Energy

specialization in Mechanical Engineering, the Smart Grid specialization in Electrical engineering, or the Internet of Things specialization in Software Engineering. All of you will also have the option to choose the Engineering and Management program, and spend one extra year with the Faculty of Business and IT. Our programs are designed to provide you with the solid foundation and life-long learning skills needed to be successful in your future career.

As you start your university experience, please take advantage of all the resources that are available to you to ensure your academic success. It is important to maintain a balance between your studies and participating within the faculty activities. I encourage you to take advantage of the variety of engineering student clubs like; The Engineering Society (EngSoc), and the Engineering Design teams; be active and involved; and participate and take the lead when you have the chance. My advice is for you to use your university journey as an opportunity to gain meaningful experiences. I wish you a wonderful first year at Ontario Tech University and I look forward to meeting all of you in person.

Regards,
Hossam Kishawy, PEng.
Dean, Faculty of Engineering
and Applied Science

YOUR FIRST YEAR ADVISOR



THE UPPER YEAR ADVISORS



MEET THE TEAM

Welcome to Ontario Tech University! We are thrilled that you are joining the Faculty of Engineering and Applied Science. We are confident that you will enjoy your program and our vibrant university environment.

Nadine Dutchuk and Bryan Lee make up the Academic Advising team. **Nadine is your first year academic advisor, and is your main point of contact within the Faculty.** She is here to answer all of your questions and give you the advice you need to guide you through your academic journey.

Please feel free to contact Nadine with any questions or concerns, whether it is academic or personal. You are welcome to e-mail or drop-in during our virtual office hours.

Our Office will:

- Address questions related to all aspects of student life.
- Help you establish realistic educational goals and plans.
- Assist in the selection of appropriate classes.
- Assess and discuss your academic progress and standing.
- Help you address challenges that may affect reaching your academic goals.
- Discuss and aim to improve your study habits and skills.
- Interpret academic policies and procedures
- Discuss issues which affect your academic performance.
- Connect you with campus services.
- Provide advise regarding withdrawals or adding/dropping classes.
- Keep information discussed in advising sessions confidential.
- Provide guidance for successful progression towards graduation.

CONNECT WITH US



Send us an email at
firstyear.engineering@ontariotechu.ca



Check Academic
Advising Canvas Page



Follow us on social media!
@OT_FEAS



Visit us online at
engineering.ontariotechu.ca

YOUR FIRST YEAR CHECKLIST

- Set up a dedicated at home workspace for lectures and to study
- Make a four month calendar with the important dates for the semester including:
 - assignments
 - deadlines
 - midterms
 - project dates
- Set up your google drive/familiarize yourself with gsuite (calander, docs, sheets, chat, meet, shared drives etc.)
- Download the Canvas and Ontario Tech Mobile app and check it frequently to keep up to date on class announcements, and messages from your academic advisors.

University is different than high school. Take time to read up on policies and rules and how they affect you!



You must bring your own laptop. Check online for information like:

- Laptop Hardware specifications
- Suggested Devices
- Faculty Provided Software
- Available IT Services

itsc.ontariotechu.ca/tele

POLICIES AND PROCEDURES

THINGS
YOU
SHOULD
KNOW

LEARN

about academic integrity at the University. It is your responsibility to know what academic misconduct consists of.

READ

your Syllabus! Understand the process if you miss an assignment, quiz, midterm, or final exam due to extenuating circumstances.

WRITE

down the important dates for the semester; refund dates for when dropping classes, the co-curricular breaks and the exam dates. These are all in the Academic Calendar!

“When you start at Ontario Tech you will be an adult learner and your success will depend on you! While hard work is essential to your success, so is having fun. Grades are important, but a healthy mind is crucial to your happiness, and thus your success.”

SURVIVAL
TIPS

1

Attend class regularly and be an active participant.

2

Write down important dates from your syllabi.

3

Check your .NET email, it's the official form of communication.

4

Make sure you are registered for your fall courses.

5

If you need it, ask for help early in the semester, 12 weeks goes by very fast.

6

Study every day instead of cramming right before a test.

YOUR EXPERIENCE

MAKE IT COUNT!

Your university experience is about what you do both in and outside the classroom. There are many ways to get involved and meet new people including orientation events, or joining a team, club, or society.

See the orientation schedule: ontariotechu.ca/orientation

FEAS ORIENTATION

Saturday, September 3
2:00pm - 5:00pm

ENGSOc FACULTY BBQ

Wednesday, September 7
11:00am - 3:30pm

RIDGEBACK ORIENTATION

Saturday, September 3
Sunday, September 4
Monday, September 5

GEARS ORIENTATION*

Monday, September 5
8:00am - 1:00pm

*For students living in residence

Attend a Workshop with the Student Learning Centre to meet other students in your classes!

Join a club, team or society to meet new people!



CLUBS AND TEAMS

Get hands on engineering experience by joining a club, team, or society. Attend conferences and competitions, sit on important committees, and expand your learning into real world applications!

Find out more at ontariotechu.ca/FEAS



ENGSOc
Engineering Students Society



ONTARIO TECH RACING
Formula SAE Student Design Team



IEEE
Institute of Electrical and Electronics Engineers



EWB
Engineers without Borders



Design League
Hosts Designathons



WIE
Women in Engineering Sub Society

SUPPORTS TO HELP YOU THRIVE

University is full of new experiences and challenges, but don't worry because you're not alone!

Both Ontario Tech and the Faculty of Engineering have many resources and supports to help you overcome any barriers or challenges you might face.



ELLEN JAMES
*Chemical Engineering
Women in Engineering
Program Coordinator*

Ellen is here to provide support and guidance for female engineering students, as well as run exciting and valuable programming and events throughout the year.

WOMEN IN ENGINEERING

What is it?

The goal of the Women in Engineering program is to create a sense of community between female engineering students, and to provide programming that will add value to your educational experience.

We regularly host events that revolve around topics like; support, community involvement, networking, and professional development. Previous events include:

- Co-op and internship info session
- Interview preparation
- Resume development
- Professional networking
- Alumni dinner
- Conferences

Why get involved?

You will also have access to many volunteer opportunities which can add experience to your resume, such as: on campus events, and outreach initiatives, where you can share your engineering knowledge with youth throughout the community.

You are encouraged to get involved with our Peer Mentorship program where you will be matched with an upper year student who will give advice and help guide you through your first year.

If you have any questions about what the Women in Engineering program entails, please email: ellen.james@ontariotechu.ca



FIRST YEAR ACADEMIC ADVISING

ENG 1027
905.721.8668 ext. 3078
firstyear.engineering@ontariotechu.ca

Nadine is your first year academic advisor. She is your first stop for any questions or concerns related to academics and everyday life at university.

Check Canvas for the most up-to-date ways to connect with her.

STUDENT MENTAL HEALTH SERVICES

Shawenjigewining Hall
905.721.3392
studentlifeline@ontariotechu.ca

At Ontario Tech University, we want to encourage a healthy mindset, and understand the close association between student health and wellness and academic success. Therefore, Student Mental Health Services offers a range of services for students to promote their positive mental health, strengthen their resilience, and help manage the multiple demands of university life.

STUDENT LEARNING CENTRE

Shawenjigewining Hall
905.721.8668 ext. 6578
studentlearning@ontariotechu.ca

The Student Learning Centre is here to help you strengthen your academic skills and build a foundation for future success which includes; learning study strategies, working with a math or engineering specialist, meeting with a peer tutor and attending workshops such as:

- Study Strategy Workshops
- Course Content Workshops

STUDENT ACCESSIBILITY SERVICES

Shawenjigewining Hall
905.721.3266
studentaccessibility@ontariotechu.ca

Student Accessibility Services works with students with disabilities to ensure they have equal opportunities for academic success.



WHAT YOU SHOULD KNOW ABOUT YOUR GPA

Students are required to maintain a minimum cumulative grade point average (GPA) of 2.00 to be in clear academic standing and avoid academic penalties.

Since your cumulative GPA is calculated each semester, this means you must achieve a semester GPA of 2.0 in your first semester.

If you would like to enroll in a **co-op or internship** placement, you must have a cumulative GPA of 2.3 and be in good standing.

ENGINEERING SUCCESS PROGRAM

This program is mandatory for any first year student who is on probation after the completion of their first academic semester (fall GPA of less than 2.00)

Details:

In the winter semester:

- A student can only take 3 courses.
- Students are encouraged to repeat courses from the previous semester in which they attained a grade of D or lower.
- Students must actively participate in google classrooms which include workshops and assignments.

CO-OP & INTERNSHIP



CANDACE CHARD

Co-Op and Internship Officer

MELISSA BRACCIA

Co-Op Program Assistant

engineering.internship@ontariotechu.ca

The Engineering Co-op Office is committed to supporting all Engineering programs. The goal is to assist you in all aspects of finding an appropriate Co-op or Internship placement that will help you get valuable engineering work experience while completing your undergraduate degree program.

All of our undergraduate Engineering programs include co-operative (co-op) education opportunities, providing experiential learning that integrates academic studies with paid work experiences. Co-

op opportunities allow students to develop tangible skills and gain valuable work experience while pursuing their undergraduate degree.

Co-op is a degree requirement for students in the Engineering Co-op stream. Students in the co-op stream who successfully complete three work terms will graduate with the co-op designation on their degree parchment, and typically this extends the program of study by one year. Placements can range anywhere from 4 to 16 months, and most students apply to do a 4-month summer co-op after second year, and a longer 8, 12, or 16-month co-op internship after third year.

It's never too early to start thinking about a co-op or internship placement!



“

I would recommend that any student go on a co-op or internship because it will let you apply your skills to real world problems, and give you a better understanding of what is available in your field.

Patrick Andruzkiewicz

Software Engineer

4 Month co-op at RBC as a Data Scientist

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CAMPUS COMMUNITY

At the Faculty of Engineering and Applied science, we hope that you will find a sense of community, whether living on or off campus.

If living on campus, you will be a part of the GEARS program, which hosts study sessions, provides peer support, and leads to lasting friendships.

Not living on campus? That's Ok. There are many ways to get involved and resources for you to feel supported. Sign up for a peer mentor, who will answer questions, give advice, and help you face your first year as an engineering student!

Here's a map of key places we think you may find helpful on campus!

CRWC

Campus Recreation and Wellness Centre

WHAT'S HERE?

The CRWC is home to 5 gymnasiums, an elevated indoor jogging track, and a state of the art fitness centre.

Campus Health Centre

An on campus health clinic for students.

Lovell Drugs

A convenient on campus drug store.

Fun Fact! Did you know that there are several intermural teams you could be a part of?

OPG BUILDING

Ontario Power Generation Engineering Building

WHAT'S HERE?

Academic Advising

ENG 1027. Academic Advising is your number one resource for all things Engineering related. Don't be afraid to pop in and say hi!

Engineering Labs

You will have several labs in this building, such as Intro to Engineering and Engineering Design!

Don't get lost! The OPG building is attached to the ACE building, so pay attention!

ERC BUILDING

Energy Systems and Nuclear Science Research Centre

WHAT'S HERE?

Houses many of our energy science and engineering programs, and has some great study spaces!

SHAWENJIGEWINING HALL

WHAT'S HERE?

Student Life is the university's student support network outside of the classroom. Here you will find resources such as:

- Student Mental Health Services
- The Student Learning Centre
- Student Accessibility Services
- International Education
- Student Engagement and Equity Services
- Career Counseling
- Peer Leaders and Ambassadors
- Ontario Tech Student Union

SIRC BUILDING

Software Informatics Research Building

WHAT'S HERE?

The Registrars Office

They can provide information and help you with things like fees, payments and financial aid.

First Year Course Classrooms

Here you will find some of your first year classes, such as Programming or Intro to Engineering.

Jeffery Boyce Innovation Studio

A design studio where you can use equipment such as 3D printers, laser cutting systems, and other instruments.

NORTH OSHAWA LIBRARY

WHAT'S HERE?

Group Study Rooms

Looking for a quiet place to study? You can book a group study room from their website. There are also smartboards and screen sharing technologies in the 3rd floor study rooms to make collaboration easy.

Equipment Loaning

Forgot your charger, headphones or mouse at home? Need to borrow a microphone or a glue stick? You can loan out equipment from the circulation desk.

UB BUILDING

Business and IT Building

WHAT'S HERE?

UB 2080 is a large lecture hall that hosts classes such as Physics, Calculus and Algebra.

It also has a large café and student lounge areas.

UA BUILDING

Science Building

WHAT'S HERE?

UA has two of our large lecture halls as well as many of the smaller tutorial rooms

Tim Hortons

Visit this one if you're short on time!

