Congratuations - you are now a USask Engineering student! Inside this Engineering Student Handbook, you'll find valuable information in this Student Handbook that will equip you for your first year of Engineering.

We're proud to welcome you into our Thorough Family. As a student in the College of Engineering, you are joining a rich and vibrant community of talented researchers, leaders, innovators and change makers - all of whom are engineers the world needs!

TAKE A SNEAK PEEK INTO LIFE AS A USASK ENGINEERING STUDENT
The Engineering Student Centre, better known in the college as the ESC, is the office where you can meet with the college’s academic advisors, who provide guidance and support to help you reach your goals.

**LOCATION**
The ESC is located on the second floor of the Engineering building. Our office number is 2A05.

**FRIENDLY FACES**
The ESC front desk is supported by two of our friendly team members. They are here to help answer student questions, direct traffic, and will help you book advisor appointments if you aren't able to book them online.

**CONTACT US**
Ph: 306-966-5274
Email: esc@usask.ca

Click the video image below to meet the team when we introduce ourselves back in USTART or click [HERE](#).
A warm welcome to the newest members of our Thorough Family of engineers. We are living in a remarkable time of creativity, resilience, and rapid response. As we learn new ways of staying connected and working together, we are sharpening the skills that will be needed to build our next century. When you arrive on campus, you will have already begun your university curriculum and your journey toward your degree. We want you all to know how proud we are to have you as our students.

A piece of advice:
“Always remember...you’re braver than you believe, stronger than you seem, and smarter than you think.” - AA Milne
Meet Your Advisors

As a USask Engineering student, you will have access to our academic advising team to help you with questions about admission, registration, course selection, program planning, learning communities, degree completion, scholarships and bursaries and more!

What can an academic advisor do for me?

- Provide accurate knowledge about the requirements for a Bachelor of Science in Engineering (BE) degree, and university and college policies and procedures.
- Guide you as you make decisions about your academic program and help you ensure that your degree requirements are satisfied systematically.
- Act as a resource if difficulties arise that affect your academic and career goals.
- Help you better understand yourself and direct you to the resources that will help you meet your academic and career goals.

Noreen Predicala
Academic Support Services Coordinator
Email: noreen.predicala@usask.ca  Phone: 306-966-5270

In addition to advising, Noreen develops and coordinates student support services to enhance academic success. She oversees transition, study sessions, and academic mentorship focusing on first-year students.

Fun Fact: Noreen has her Ag Engineering degree and in her spare time she enjoys reading, gardening, collecting stamps and spending time with family and friends!

Sarah Bector
Student Services Officer
Email: sarah.ector@usask.ca  Phone: 306-966-5513

Sarah advises all students and has a focus on supporting international students. She is also the College liaison for student groups / student leadership initiatives and supports transfer credit evaluations.

Fun Fact: Sarah has both education and social work degrees, and when she's not at work, she loves running and spending time with friends, family and in the community staying connected with others.

Danielle Gaudet
Academic Counselor
Email: danielle.gaudet@usask.ca  Phone: (306) 966-5276

Danielle is our primary support person in the college for students experiencing mental health difficulties and is here to help all our students. In addition to advising, she manages the undergraduate awards program, supports students with study abroad opportunities and manages the yearly operations for the ESC.

Fun Fact: Danielle has an undergraduate degree in Psychology, a Master's degree in Special Education, and a Master's degree in Public Administration.
How to Book an Advising Appointment

Wondering how to make an advising appointment? There are two ways to book your appointment:

**Book online**
Book an appointment with an advisor through our online booking system. During the time of COVID-19, all advising appointments will happen over a video call or over the phone with an advisor.

Book online at https://share.usask.ca/go/engrstu/Pages/default.aspx

**Over the phone**
Give us a call at 306-966-5274 to book an advising appointment over the phone.

Who is responsible for keeping track of my progress and ensuring I’ve met the requirements for my degree?
You are ultimately responsible for successfully completing your academic requirements. It’s important to keep accurate records of your progress toward fulfilling these requirements. If you have any questions, the advising team is here to help.

What are my responsibilities as a student?
- Schedule and attend appointments with an advisor at least each term.
- Prepare for your appointments and share relevant information.
- Know your program requirements and how academic actions affect your status.
- Follow up on the referrals and recommendations provided to you.
- Seek help before a situation escalates into a crisis.
- Check your USask PAWS email and account regularly.
- Accept responsibility when your decisions and actions affect your educational program.

Who has access to my academic records?
Your educational records are confidential; we cannot disclose information without your permission.
ENGINEERING'S INDIGENOUS PEOPLES INITIATIVES COMMUNITY

nikanitan manacihitowinihk | ni manachihitoomaan
let us lead with respect

Our vision is to provide meaningful access to engineering for Indigenous Peoples, while building and maintaining respectful relationships with Indigenous communities. Our aspirations and commitments provide a strategic framework that guides our College and the University of Saskatchewan towards celebrating, sharing and embedding Indigenous ways of knowing deeply within our culture of teaching, learning and research.

INCLUSIVENESS. SUPPORT. ENGAGEMENT

We provide inclusiveness of Indigenous history, culture and ways of knowing for all students, staff and faculty at the College of Engineering; Holistic Support for Indigenous engineering students; and engagement with Indigenous communities to help solve practical needs and to provide engineering outreach.

Follow our Facebook Page for upcoming events, scholarships, resources and announcements!
facebook.com/USaskIndigenousEngineeringInitiatives/

Upcoming Calendar of Events

**Wednesdays Cree class** - Join us in an online Zoom class or watch a prerecorded session at your leisure

**Elder Services** – Join an elder session for one on one counselling or cultural knowledge talks

**September:** Day in the Life with an Indigenous Engineer

**October:** Orange T-Shirt Campaign: The events were designed to commemorate the residential school experience, to witness and honour the healing journey of the survivors and their families, and to commit to the ongoing process of reconciliation.

**November:** Louis Riel Day: Louis Riel is recognized as an advocate of justice for the Métis people, but he represents much more. He helped lay the framework for Indigenous rights and cultural co-operation.

**December:** Holiday community volunteers

**January:** Back to school Indigenous Engineers lunch

**February:** Moosehide Campaign - a grassroots movement of Indigenous and non-Indigenous men and boys who are standing up against violence towards women and children.

**March:** Indigenous Student Dinner – Info and date TBA

ALANA ROSS
Indigenous Student Initiatives Coordinator
Email: alana.ross@usask.ca
Phone: (306) 966-2627
WHAT YOU NEED TO KNOW ABOUT TRANSFER CREDITS

As an incoming engineering student, you may have completed some course work at another institution that is eligible for transfer credit.

This would typically include International Baccalaureate (IB) or Advanced Placement (AP) courses, or possibly other course work completed at another post-secondary institution prior to you joining USask. This does not include high school-level course work.

Please note that the Recruitment, Admissions and Transfer Credit Office and the College of Engineering are working to process transfer credit evaluations as quickly as possible. However, transfer credit evaluations may take multiple months to complete. The college website contains detailed information about the transfer credit process and requirements. We encourage you to read this resource, you can find this web page HERE.

If you think you are eligible for transfer credit, it is very important to discuss with an academic advisor how your previous course work may impact your plans for the Fall and Winter 2020-2021 terms. Along with meeting with an advisor, you can also email engr.transfercredit@usask.ca for additional support and we will do our best to further guide you through the transfer credit process.
PAWS is your personalized access to web services at USask and it's your key portal to all your essential information for the college and university. You can customize it and you get to keep it forever - even after you graduate!

PAWS is where you'll access tuition and fees, scholarships and bursaries, textbooks, class registration and more. As a student, you can use PAWS to update your profile with the university, including your preferred name, email aliases and contact information.

LOGGING IN:
Use your NSID (Network Services ID) and your password to log into PAWS:
http://www.paws.usask.ca

It's important to log into PAWS regularly for updates from the college, your professors and from USask.

If you have questions, take a look at the PAWS FAQ website:
https://jira.usask.ca/servicedesk/customer/kb/view/1510342849?q=PAWS+FAQ
Get excited - as an engineering student, you'll use the "ViRTCL Lab" (pronounced vertical) and use virtual reality technology to learn about truss design and the loads they can bear. The ViRTCL Lab stands for Virtual Reality Teaching and Cloud-Based Learning.

Read more about the ViRTCL Lab and what students think of it [HERE](#).
Blackboard is a web-based learning management system that makes it easy to get materials, assessments, communications and more from your professors! As engineering students, it's really important for you to regularly log into your Blackboard to stay on top of your studies and classes.

This fall, you may see a few classes using Canvas and/or Mobius. Over the next two years, USask is transitioning from Blackboard to Canvas. Your course outline for each individual class should tell you what online learning system your professor is using.

Log into Blackboard by signing in to PAWS and then clicking Course Tools
PLAN YOUR PATH WITH DEGREE WORKS

Map your degree progress with Degree Works. You can use this online tool to:

- Check your degree progress (see how your current and completed classes are meeting your program requirements)
- Explore your options (view how your current and completed classes meet other program requirements)
- View your final grades and averages (averages are only available for some programs)
- Create a long-term plan to complete your degree

Log into Degree Works through your PAWS account

We recommend you verify the information provided to you through Degree Works with an academic advisor from the Engineering Student Centre.
WebEx is a web conferencing platform that provides an online environment for collaboration. As a USask Engineering student, you'll have access to use WebEx. If you have questions, visit this website https://training.usask.ca/webex.php

All USask engineering students have free and unlimited access to LinkedIn Learning, an online training resource containing thousands of videos on the latest software tools and skills. Learn software, creative, academic, and business skills to achieve personal and professional goals. You can watch entire courses or single tutorial videos as required, and access it 24/7 from your mobile phone or tablet. Learn more HERE.

If you're working on a class project and need to use a survey, you have free access to the USask Survey Monkey account. Log into Survey Monkey HERE.

Khan Academy offers practice exercises, instructional videos, and a personalized learning dashboard that empowers learners to study at their own pace in and outside of the classroom. While not an official USask system, it's a great resource. Learn more HERE.
Although the face of learning has changed, the rules and principles governing academic integrity remain the same.

**What is academic integrity?**
As a community we share a responsibility to uphold standards to protect the integrity of our own work as well as the work of others. The International Center for Academic Integrity defines academic integrity as "*a commitment, even in the face of adversity, to six fundamental values: honesty, trust, fairness, respect, responsibility, and courage*".

**Acting with integrity means:**
- producing original work that clearly reflects your abilities and understanding
- representing work accurately, including methodology, data and null results
- citing sources correctly
- collaborating with others only with permission
- following guidance about the use of additional supports or technology

**Not sure?**
If you ever have questions about what may or may not be permitted, ask your instructor.

Learn more about Academic Integrity [HERE](#)
As an engineering student, the ESC is here for you throughout your entire degree. Over the next few months, you'll have a lot of information coming your way, but don't worry. If you have questions, the Engineering Student Centre can help.

Don't be shy! Book an appointment with an academic advisor - it's free and we are here to help year-round (except for holidays and weekends).

Along with the ESC, there are lots of supports available to all USask students across campus

LEARN MORE BY CLICKING ON EACH LOGO TO VISIT THE PROGRAM WEBSITE OR VISIT STUDENTS.USASK.CA FOR A COMPLETE GUIDE TO ALL SERVICES AND PROGRAMS.

The Student Wellness Centre offers urgent and non-urgent physical and mental health care to students and their spouses and children.

Student Learning Services supports your learning and help you to develop writing, math, language skills to how to study better.

Student Central provides undergraduate and graduate students with centralized assistance with finances, registration and academic life.

Access and Equity Services is guided by Saskatchewan's Human Rights legislation and the duty to accommodate individuals requiring accommodations based on disability, religion, family status, and gender identity.
As a first year student, we encourage you to participate in Engineering's Facilitated Study Sessions. All students are welcome and it's free. Facilitated Study Sessions allow you to discuss and clarify concepts with professors, upper-year students and your peers. It's a great place to practice problems and prepare for exams, and get help to develop effective study strategies.

FACILITATED STUDY SESSIONS

Sessions will be held online up to three times a week
Check your PAWS emails for dates, online log-in details and specific schedules

Come as you are - all engineering students welcome
Smart Start is a series of academic workshops offered every September to help you to start the year off right. These sessions are hosted by the University Library and are open to all USask students.

There are a wide variety of workshops happening in the fall like:

- Reading & note-taking in university
- Embracing a mindset to learn through challenges, drive motivation, and achieve success
- Strategies for success in online and remote learning
- Science writing basics: lab reports, research papers, and review papers
- Managing your time and tasks
- ..and more...

Click [HERE](#) to register for Smart Start
The University Library has put together a collection of tutorials, tips and tricks about learning online. There are a wide variety of advice readily available for any USask students, including:

- What are the top three skills successful students have for online learning
- 7 misconceptions about online learning
- Tips on how to effectively study with online courses
- How to make academic integrity a cornerstone to your undergraduate studies
- ..and more...

Click [HERE](#) to get some great tips
As a USask College of Engineering student, we want to recognize your academic achievements and personal accomplishments. You will be able to apply for hundreds of scholarships, bursaries and awards that you may be eligible to receive.

**UNDERGRADUATE AWARDS FOR BURSARIES & SCHOLARSHIPS**

USask students can use an online form to search for scholarships and bursaries. During your first year, it's important to remember two important dates:

- **October 1st** is the deadline to apply for most bursaries offered by the university. Bursaries are usually given to students in financial need, though some bursaries may have additional criteria. Recipients will be notified by early February.

- **June 1st** is the deadline for a large number of scholarships on campus. Scholarships are normally granted for academic achievement or leadership experiences.

**LOOK FOR BURSARIES & SCHOLARSHIPS ONLINE HERE**

Every March, we celebrate our award and bursary winners at the Engineering Students Awards Ceremony. Many of our alumni and donors who support our bursaries and scholarships also attend to celebrate your achievements.

**EXTERNAL AWARDS**

Along with College of Engineering and USask awards, we encourage students to also apply for awards from other sources, such as clubs and associations. External awards are offered by agencies, governments or other organizations outside of USask.

Some of the recommended external awards can be found online: https://students.usask.ca/money/awards/external.php
At the end of your first year, you will select your preferred engineering major, which you will focus on as you complete your degree. You will be asked to rank your top three program choices; we then finalize placements based on a competitive average calculated using your first-year engineering courses.

**CHEMICAL ENGINEERING**

Chemical engineers design, implement and improve technology to make life more comfortable and safe, while minimizing the effect that we have on the environment.

Learn more about chemical engineering [HERE](#).

**ENGINEERING PHYSICS**

Engineering physicists bridge pure and applied science by utilizing fundamental concepts in today's rapidly changing and highly technical engineering environment. An engineering physicist is motivated by the application of science for advancing technology and sustainability.

Learn more about engineering physics [HERE](#).

**ENVIRONMENTAL ENGINEERING**

Environmental engineers apply science and engineering principles for the protection and improvement of public health and the environment, including air, water and land resources.

Learn more about environmental engineering [HERE](#).
GEOLOGICAL ENGINEERING
Geological engineers apply engineering principles to the natural materials and fluids found in the earth, including rocks, soils, groundwater, petroleum and natural gas.

Learn more about geological engineering [HERE].

CIVIL ENGINEERING
Civil engineers design and construct society’s infrastructure, including roads, highways and bridges, and water resource projects such as dams. They are active in the protection and enhancement of the environment with water quality programs, waste management and more.

Learn more about civil engineering [HERE].

MECHANICAL ENGINEERING
Mechanical engineers create the design, production and use of mechanical systems that control and transform energy. Mechanical engineers can be found in a diversity of industries from oil and gas, agriculture to fashion design.

Learn more about mechanical engineering [HERE].

ELECTRICAL ENGINEERING
Electrical engineers design and manage power systems, communication networks and the electronic products that transform our way of life.

Learn more about electrical engineering [HERE].

COMPUTER ENGINEERING
Computer engineers design, develop and integrate the use of computer programs and technology into devices and systems that improve how we interact with our world every day.

Learn more about computer engineering [HERE].
Want to get involved? There's a student group for you. A healthy balance of academic and extracurricular activities will ensure your years at the college are some of the best of your life!

Our engineering students are exceptional. Through student clubs, groups and design teams, our students have:

- Partnered with the Canadian Space Agency to design a CubeSat to launch into space for material testing and research.
- Have travelled to the U.S. and across the world to represent USask in competitions.
- Coordinated a live broadcast with an astronaut in the International Space Station for 300 elementary school students, USask students and community members.
- Have developed a student leader who was president of the Canadian Federation of Engineering Students and winner of the Engineers Canada Gold Medal Student Award.
- Designed 3D-printable N95 masks during the COVID-19 pandemic.
- Designed 3D-printed surgical brain models, IV pumps and prosthetics for children.
- Won international math competitions.
- Capitalized on design team experience and connections and went on to work for Tesla and Google Automation.
- Made USask history by founding the USESF fund, supported by students, for students.

...and much, much more!
GET INVOLVED WITH
STUDENT GROUPS

Who are the students groups?

SASKATOON ENGINEERING STUDENTS' SOCIETY
is the official college-wide students' society of the College of Engineering at the University of
Saskatchewan. The SESS’ purpose is to serve the interests of the students in the college.

DISCIPLINE GROUPS

- Chemical Engineering Student Society (ChESS)
- Civil Engineering Student Society
- Environmental Engineering Student Society (ENVESS)
- Geological Engineering Student Society
- Institute of Electrical and Electronics Engineers (IEEE) USask Student Chapter
- Mechanical Engineering Student Association (MESA)
- Physics Student Society

DESIGN TEAMS

- Huskie Formula Racing (HFR) Team
- Steel Bridge Design Team
- USask Aero Design Team
- USask Sled Dogs Quarter-Scale Tractor Team
- USask Space Design Team (USST)
- SaskInvent

PROFESSIONAL ASSOCIATIONS

- Canadian Institute of Mining, Metallurgy, and Petroleum (CIM) USask Student Chapter
- Engineers Without Borders
- Society of Petroleum Engineers (SPE) USask Student Chapter

CLICK & LEARN

Learn more about the student groups HERE.
There is more to campus life than class and studying. Especially as we move to online learning, it is important to remember to spend time taking care of yourself, meeting new people and having fun.

Volunteering and community involvement are rewarding ways to develop your leadership skills, learn new things, meet new people, experience different career options and gain new experiences.

Click on each of the green bars to learn more about getting involved on campus!