

User Interface
for the
Proposed New Features
of
TrackMyDegree

New Features

1. Can the system say exactly what the student is missing

Interpretation (This is the primary interpretation and subject to change upon discussion with stakeholder):

- The system should analyse the student's current record (courses taken, in-progress, credits earned, major/minor requirements, electives, GPA, etc.) and determine the exact items still required for them to complete their degree.
- It may produce a checklist or "missing items" view: e.g., "You still need 6 credits of upper-level electives," or "You haven't taken STAT 301 (prereq for major)."
- The key is accuracy and specificity: not just "You're behind," but "Here are the specific requirements, courses or credits you haven't fulfilled yet."
- This likely involves mapping the programme curriculum (catalog year) + the student transcript + any transfer/waiver logic.

2. Have the system do an unofficial audit for the student

Interpretation (This is the primary interpretation and subject to change upon discussion with stakeholder):

- This feature is very closely tied to #1 but slightly different: "audit" suggests generating a formalised report (even if labelled "unofficial") that verifies the student's status relative to their programme.
- In higher-ed systems, "degree audit" means: check all curriculum requirements, check what's been completed/in-progress, mark fulfilled vs unfulfilled.
- So here the system will automatically produce such an audit for the student, showing progress and outstanding items.

3. Produce a sequence for approval by Co-op Directors, respecting Co-op regulations and requirements

Interpretation (This is the primary interpretation and subject to change upon discussion with stakeholder):

- This feature is about building a course/term sequence (a plan of what the student will take in upcoming semesters/terms) that meets both academic degree requirements *and* specific co-operative education (co-op) programme regulations.
- "Sequence" means: term-by-term scheduling or roadmap (e.g., Fall 2025: Course A, Course B; Winter 2026: Co-op Term; Spring 2026: Course C; etc.).

- It must be generated (by the system) or at least supported, and then approved by Co-op Directors (those overseeing co-op programmes).
- “Respecting Co-op regulations and requirements” implies business logic around the co-op: e.g., co-op term(s) must occur after certain coursework or before certain deadlines, minimum GPA for participation, required documentation, number of work terms allowed, etc.


4. It would be nice if advisors had our own class builder so we could see scheduling conflicts instead of going through each schedule one by one.

Interpretation (This is the primary interpretation and subject to change upon discussion with stakeholder):

- This feature is oriented toward advisors, giving them a tool (class builder) to construct proposed schedules for students and see scheduling conflicts visually, rather than manually checking multiple schedules.
- Basically UI where you pick courses (for upcoming term(s)), maybe drag-and-drop sections (lecture/lab), view student's existing registrations/planned registration, and the system flags conflicts (time overlaps, prerequisites unmet, seat availability).
- So the tool is supporting the advisor's workflow: building schedules, iterating quickly, maybe visualizing options, validating the plan before the student registers.

Laptop/Desktop view

Student Dashboard - When logged in as student, this Dashboard is displayed at the beginning.

TrackMyDegree
Concordia University

Student

Advisor

Dashboard

Missing Requirements

Degree Audit

Co-op Sequence

JS John Smith
Student ID: 40123456

TrackMyDegree
Concordia University

Student

Advisor

Dashboard

Missing Requirements

Degree Audit

Co-op Sequence

JS John Smith
Student ID: 40123456

Welcome back, John!

Here's your degree progress overview

What If?

Program

Bachelor of Computer Science

3rd Year

GPA

3.45

Out of 4.0

Remaining Courses

15

To graduate

Degree Progress

75 of 120 credits completed

63%

Core Courses
3 missing

Math Requirements
1 missing

Electives
5 missing

General Education
2 missing

Current Semester

Recent Completions

3rd Year

Out of 4.0

To graduate

Degree Progress

75 of 120 credits completed

63%

Core Courses
3 missing

Math Requirements
1 missing

Electives
5 missing

General Education
2 missing

Current Semester

Recent Completions

SOEN 341
Winter 2025

In Progress

COMP 371
Winter 2025

In Progress

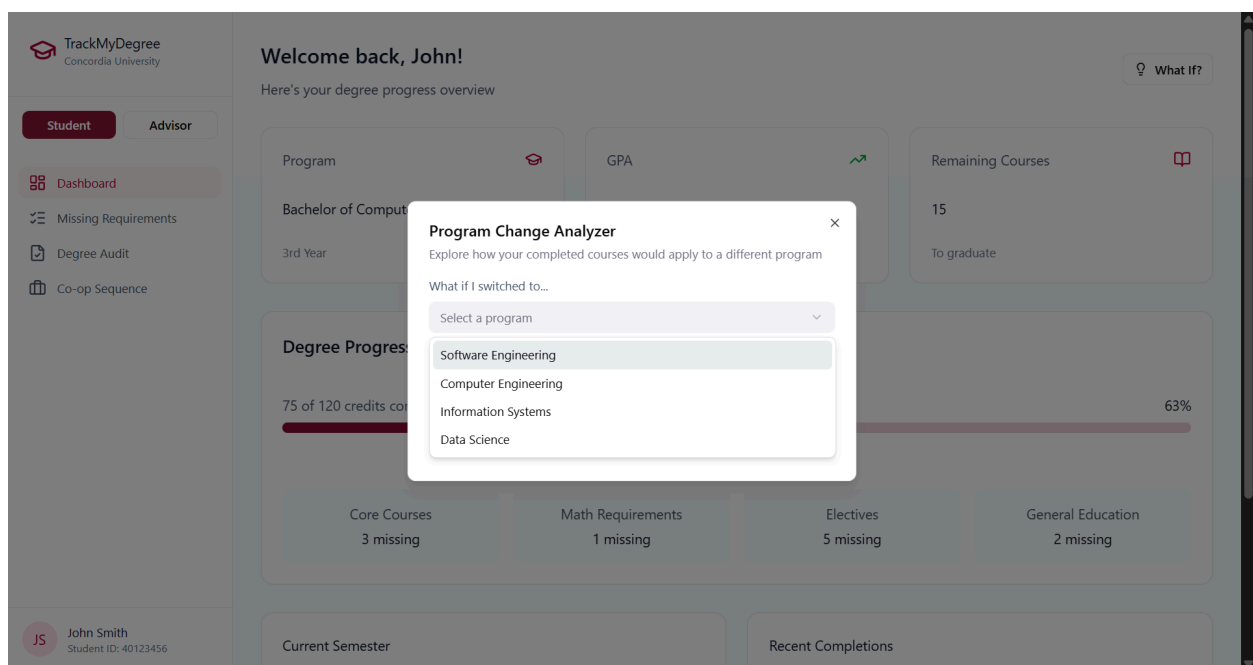
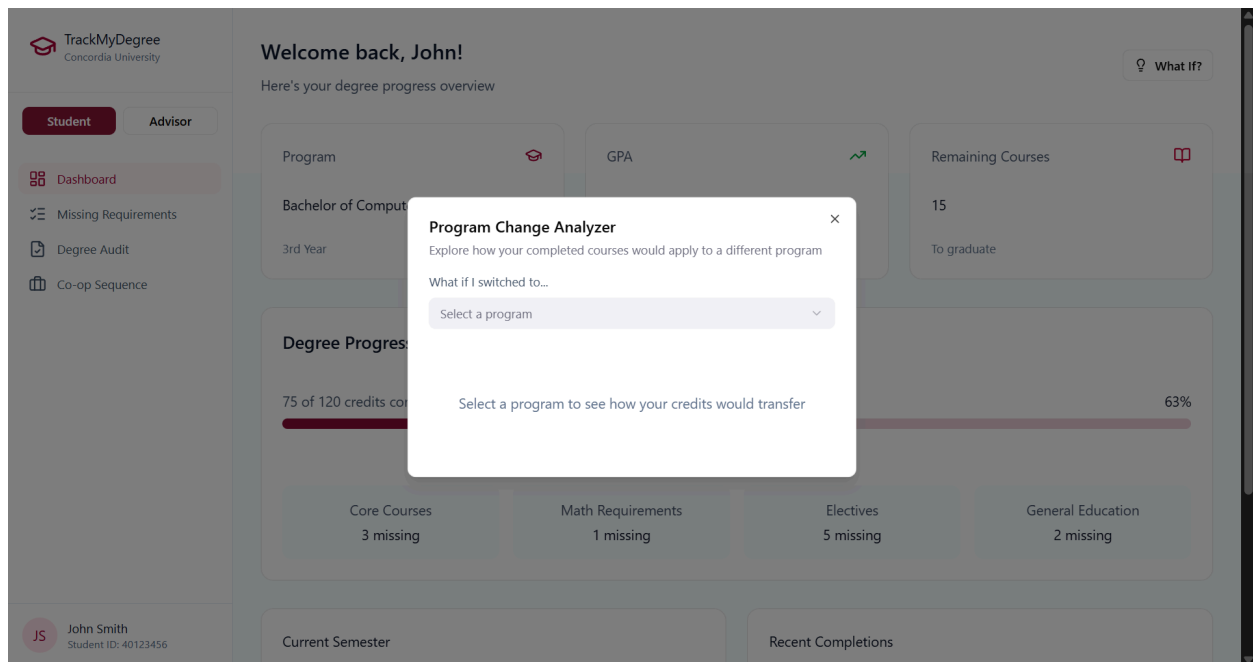
COMP 352
Fall 2024

A-

COMP 346
Fall 2024

B+

“What If” Scenario - When clicked, the student gets an opportunity to compare their progress in other programs, in case they are planning to change their majors.



TrackMyDegree
Concordia University

Student

Advisor

Dashboard

Missing Requirements

Degree Audit

Co-op Sequence

John Smith

Student ID: 40123456

Welcome back,

Here's your degree progress

Program

Bachelor of Computer Science

3rd Year

Degree Progress

75 of 120 credits completed

Core Courses 3 missing

Current Semester

Recent Completions

What If?

Remaining Courses

15

To graduate

63%

General Education 2 missing

Program Change Analyzer

Explore how your completed courses would apply to a different program

What if I switched to...

Software Engineering

Switching from Computer Science To Software Engineering

Overall Impact

Credits Applied

51 credits

Credits Remaining

60.5 credits

Progress

46%

All Categories

New Requirements (2)

Core Computer Science

Existing

TrackMyDegree
Concordia University

Student

Advisor

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Missing Requirements

Degree Audit

Co-op Sequence

John Smith

Student ID: 40123456

Welcome back,

Here's your degree progress

Program

Bachelor of Computer Science

3rd Year

Degree Progress

75 of 120 credits completed

Core Courses 3 missing

Current Semester

Recent Completions

What If?

Remaining Courses

15

To graduate

63%

General Education 2 missing

All Categories

New Requirements (2)

Core Computer Science

Existing

Current Program 24 credits

New Program 18 credits

Your Progress 15/18 credits

3 credits still needed

Mathematics

Existing

Current Program 12 credits

New Program 12 credits

Your Progress 9/12 credits

3 credits still needed

Engineering Core

New

TrackMyDegree
Concordia University

Student

Advisor

Dashboard

Missing Requirements

Degree Audit

Co-op Sequence

Welcome back,

Here's your degree progress

Program

Bachelor of Computer Science

3rd Year

Degree Progress

75 of 120 credits completed

Core Courses 3 missing

Current Semester

Recent Completions

What If?

Remaining Courses

15

To graduate

63%

General Education

2 missing

3 credits still needed

Engineering Core

New

Current Program
0 credits

New Program
30.5 credits

Your Progress
0/30.5 credits

30.5 credits still needed

Software Engineering Courses

New

Current Program
0 credits

New Program
24 credits

Your Progress
3/24 credits

21 credits still needed

Technical Electives

Existing

TrackMyDegree
Concordia University

Student

Advisor

Dashboard

Missing Requirements

Degree Audit

Co-op Sequence

Welcome back,

Here's your degree progress

Program

Bachelor of Computer Science

3rd Year

Degree Progress

75 of 120 credits completed

Core Courses 3 missing

Current Semester

Recent Completions

What If?

Remaining Courses

15

To graduate

63%

General Education

2 missing

21 credits still needed

Technical Electives

Existing

Current Program
27 credits

New Program
15 credits

Your Progress
12/15 credits

3 credits still needed

General Education

Existing

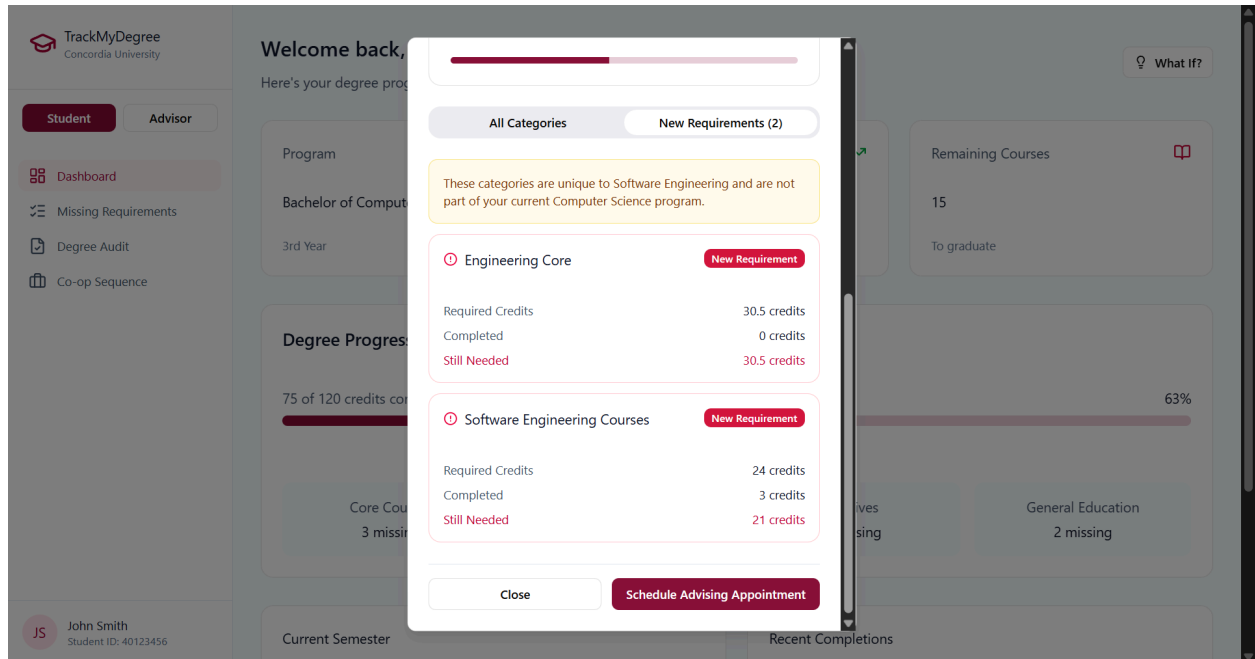
Current Program
18 credits

New Program
12 credits

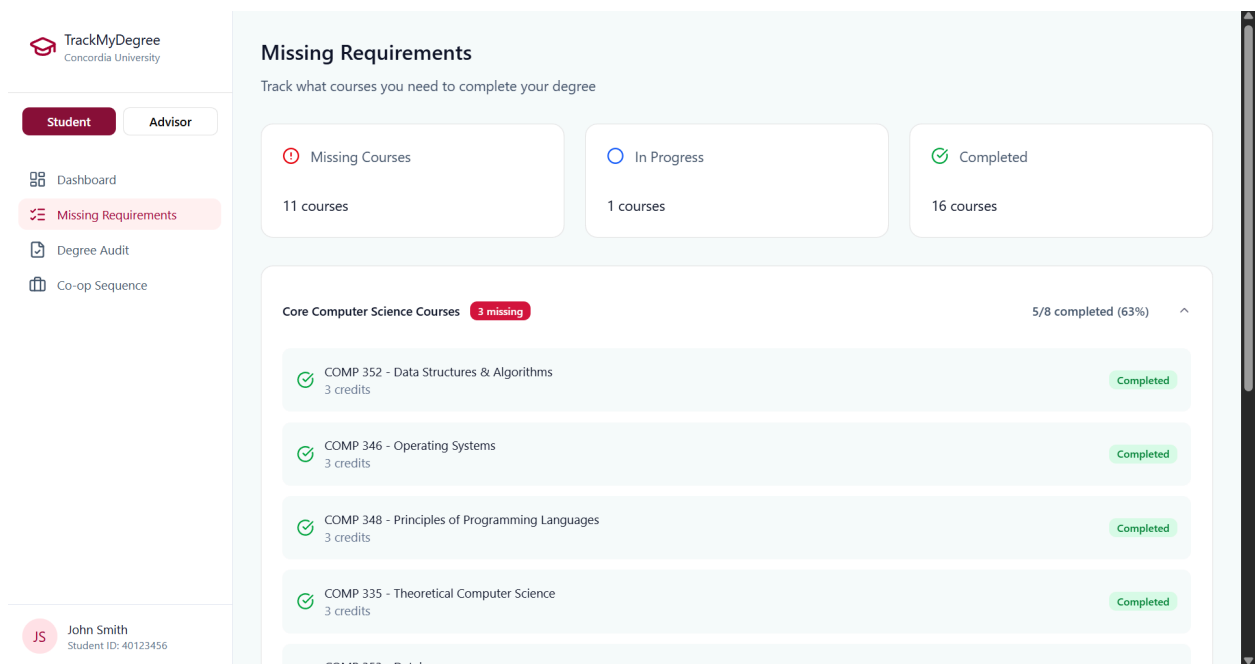
Your Progress
12/12 credits

Close

Schedule Advising Appointment



Feature 1 (Missing Requirements Page) - In this page, the student gets to see the courses/objectives that are still missing for them to finish their program. Courses are divided based on different categories.



Student

Advisor

Dashboard

Missing Requirements

Degree Audit

Co-op Sequence

JS John Smith
Student ID: 40123456

COMP 348 - Principles of Programming Languages
3 credits

Completed

COMP 335 - Theoretical Computer Science
3 credits

Completed

COMP 353 - Databases
3 credits

Completed

COMP 371 - Computer Graphics
3 credits

Missing

Add to Plan

COMP 445 - Data Communications
3 credits

Missing

Add to Plan

COMP 472 - Artificial Intelligence
3 credits

Missing

Add to Plan

Mathematics Requirements 1 missing

3/4 completed (75%)

General Electives 5 missing

4/9 completed (44%)

General Education 2 missing

4/6 completed (67%)

Student

Advisor

Dashboard

Missing Requirements

Degree Audit

Co-op Sequence

JS John Smith
Student ID: 40123456

Mathematics Requirements 1 missing

3/4 completed (75%)

General Electives 5 missing

4/9 completed (44%)

General Education 2 missing

4/6 completed (67%)

ENGL 212 - Introduction to Literature
3 credits

Completed

PHIL 210 - Contemporary Moral Issues
3 credits

Completed

HIST 201 - History of Canada
3 credits

Completed

PSYC 200 - Introduction to Psychology
3 credits

Completed

GEN XXX - General Education Elective 1
3 credits

Missing

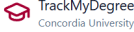
Add to Plan

GEN XXX - General Education Elective 2
3 credits

Missing

Add to Plan

Feature 2 (Degree Audit Page) - In this page, the student gets to see a more comprehensive view of credits completed/remaining per category of courses. This is generated automatically and unofficially.



Student

Advisor

Dashboard

Missing Requirements

Degree Audit

Co-op Sequence

JS John Smith
Student ID: 40123456

Unofficial Degree Audit

Export PDF

Generate Audit

Comprehensive analysis of your degree progress

Student Information

Name: John Smith

Student ID: 40123456

Program: Bachelor of Computer Science

Academic Advisor: Dr. Sarah Johnson

Audit Summary

GPA: 3.45 / 4.0

Admission Term: Fall 2022

Expected Graduation: Spring 2026

Overall Progress

63%

75 credits completed

12 credits in progress

33 credits remaining

Important Notices

6 credits remaining in General Education requirements

Capstone project (COMP 490) must be taken in final year

TrackMyDegree Concordia University logo

Student

Advisor

Dashboard

Missing Requirements

Degree Audit

Co-op Sequence

JS John Smith
Student ID: 40123456

Overall Progress

63%

75 credits completed

12 credits in progress

33 credits remaining

Important Notices

6 credits remaining in General Education requirements

Capstone project (COMP 490) must be taken in final year

On track for graduation Spring 2026

Requirements Breakdown

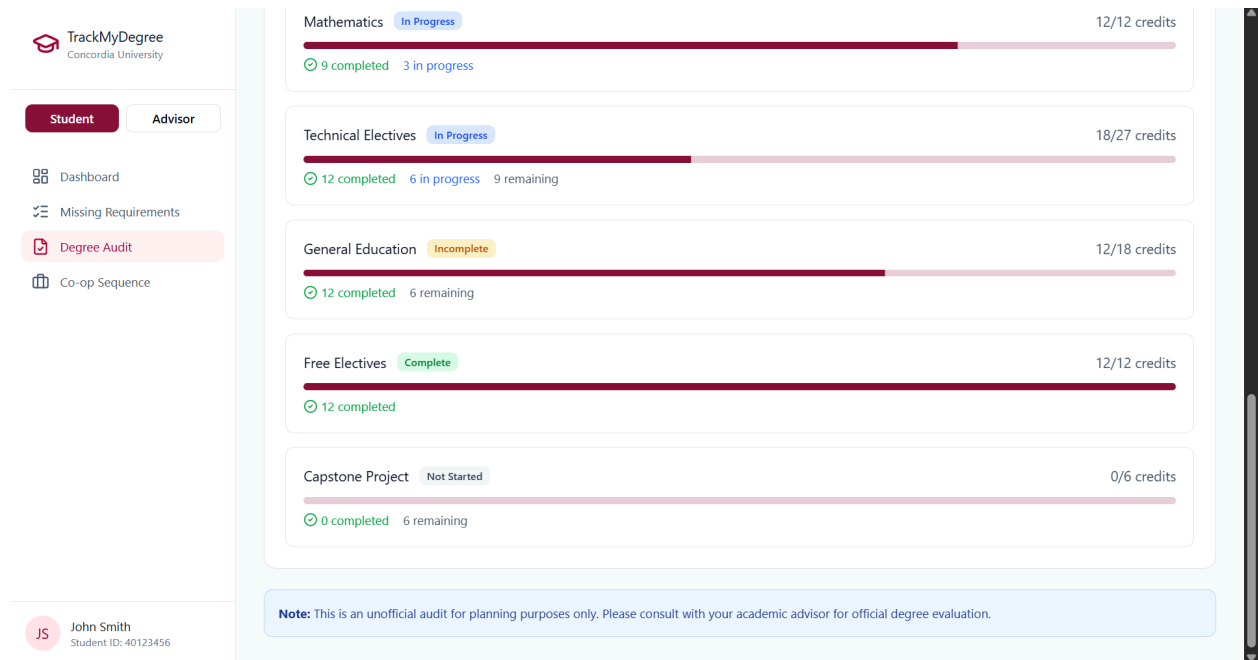
Core Computer Science In Progress

18/24 credits

15 completed

3 in progress

6 remaining



Feature 3 (Co-op Sequence Page) - In this page, the student gets to plan their coop sequence themselves and then submit it to their advisor for approval. It also provides additional info regarding co-op in general.

The Co-op Sequence Planner page includes the following sections:

Co-op Sequence Planner

Plan your academic and co-op terms for advisor approval


[Submit for Approval](#)

Warning: You have 2 unmet requirements. Complete all requirements before submitting for approval.

Option	Co-op Terms	Total Duration
8-Term Co-op	3	5 years
12-Term Co-op	4	5.5 years
Regular (No Co-op)	0	4 years

Co-op Eligibility Requirements

Requirement	Status
Minimum GPA of 2.70	Completed
Completed at least 27 credits	Completed
COOP 201 (Pre-Co-op Workshop) completed	Pending
Resume approved by Co-op office	Pending

TrackMyDegree
Concordia University

Student

Advisor

Dashboard

Missing Requirements

Degree Audit

Co-op Sequence

3 years total duration

3.5 years total duration

4 years total duration

Co-op Eligibility Requirements

☒ Minimum GPA of 2.70

☒ Completed at least 27 credits

☐ COOP 201 (Pre-Co-op Workshop) completed

☐ Resume approved by Co-op office

☒ No outstanding fees

Proposed Sequence Plan

3 Co-op Terms

Fall 2022
Term 1

Academic

COMP 248
ENGR 201
MATH 203

Winter 2023
Term 2

Academic


COMP 249
COMP 232
MATH 204

Summer 2023
Term 3

Academic

COMP 348
COMP 352
MATH 205

JS John Smith
Student ID: 40123456

TrackMyDegree
Concordia University

Student

Advisor

Dashboard

Missing Requirements

Degree Audit

Co-op Sequence

Fall 2022
Term 1

Academic

COMP 248
ENGR 201
MATH 203
ENGL 212

Winter 2023
Term 2

Academic

COMP 249
COMP 232
MATH 204
PHIL 210

Summer 2023
Term 3

Academic

COMP 348
COMP 352
MATH 205

Fall 2023
Term 4

Academic

COMP 335
COMP 346
SOEN 341
HIST 201

Winter 2024
Term 5

Co-op

Software Developer - IBM Canada

Summer 2024
Term 6

Academic

COMP 353
COMP 371
ELEC 1

Fall 2024
Term 7

Academic

COMP 445
COMP 472
ELEC 2

Winter 2025
Term 8

Co-op

TBD - Pending placement

Summer 2025
Term 9

Academic

COMP 465
ELEC 3
GEN 1

Fall 2025
Term 10

Co-op

Winter 2026
Term 11

Academic

Summer 2026
Term 12

Academic

JS John Smith
Student ID: 40123456

Student

Advisor

Dashboard

Missing Requirements

Degree Audit

Co-op Sequence

JS

John Smith

Student ID: 40123456

COMP 335
COMP 346
SOEN 341
HIST 201

Software Developer - IBM Canada

COMP 353
COMP 371
ELEC 1

Fall 2024
Term 7

Academic

COMP 445
COMP 472
ELEC 2

Winter 2025
Term 8

Co-op

TBD - Pending placement

Summer 2025
Term 9

Academic

COMP 465
ELEC 3
GEN 1

Fall 2025
Term 10

Co-op

TBD - Pending placement

Winter 2026
Term 11

Academic

COMP 490
ELEC 4
ELEC 5

Summer 2026
Term 12

Academic

ELEC 6
GEN 2

Co-op Regulations

- Each co-op term must be at least 12 weeks
- Maximum 2 consecutive co-op terms allowed
- Final term must be an academic term
- Maintain minimum 2.70 GPA throughout program

Important Notes

- Submit sequence plan 2 terms before first co-op
- Changes require Co-op Director approval
- Co-op placements not guaranteed
- May need to adjust based on course availability

Feature 4 (Advisor Class Builder Page) - In this page, the Advisor gets to see scheduling Conflicts visually in a class schedule builder instead of going through each schedule one by one.

Student

Advisor

Dashboard

Missing Requirements

Degree Audit

Co-op Sequence

Class Builder

Advisor

JS

John Smith

Academic Advisor

Class Builder

Create and visualize student schedules to identify conflicts

Winter 2025

Export Schedule

Total Hours

9 hours/week

Enrolled Courses

3 courses

Conflicts

0

Weekly Schedule

Time	Mon	Tue	Wed	Thu	Fri
8:00					
9:00	COMP 352 Sec A H-637		COMP 352 Sec A H-637		
10:00		COMP 346 Sec B MB-2.210		COMP 346 Sec B MB-2.210	
11:00					
12:00					
13:00	SOEN 341 Sec C		SOEN 341 Sec C		

Scheduled Courses

COMP 352 A

Dr. Smith

Mon, Wed 09:00-10:30

H-637

COMP 346 B

Dr. Johnson

Tue, Thu 10:00-11:30

MB-2.210

SOEN 341 C

Dr. Williams

Mon, Wed 13:00-14:30

H-537

Student

Advisor

Dashboard

Missing Requirements

Degree Audit

Co-op Sequence

Class Builder

Advisor

JS

John Smith

Academic Advisor

9:00	COMP 352 Sec A H-637		COMP 352 Sec A H-637		
10:00		COMP 346 Sec B MB-2.210		COMP 346 Sec B MB-2.210	
11:00					
12:00					
13:00	SOEN 341 Sec C H-537		SOEN 341 Sec C H-537		
14:00					
15:00					
16:00					
17:00					
18:00					
19:00					
20:00					

H-637

COMP 346 B
Dr. Johnson
Tue, Thu 10:00-11:30
MB-2.210

SOEN 341 C
Dr. Williams
Mon, Wed 13:00-14:30
H-537

Add Courses

Search courses...

COMP 371 A
Dr. Brown
Tue, Thu 13:00-14:30
42/80 enrolled

COMP 445 A
Dr. Davis
Mon, Wed 10:30-12:00
38/50 enrolled

Advisor Dashboard - When logged in as an advisor, this Dashboard is displayed at the beginning.

Student

Advisor

Dashboard

Missing Requirements

Degree Audit

Co-op Sequence

Class Builder

Advisor

JS

John Smith

Academic Advisor

Advisor Dashboard

Manage student progress and create schedules

Active Students

142

Pending Reviews

28

Co-op Approvals

12

Conflicts

5

Recent Student Requests

Emily Chen

Co-op Sequence Approval

pending

2 hours ago

Michael Brown

Degree Audit Review

pending

5 hours ago

Sarah Williams

Course Substitution

reviewed

1 day ago