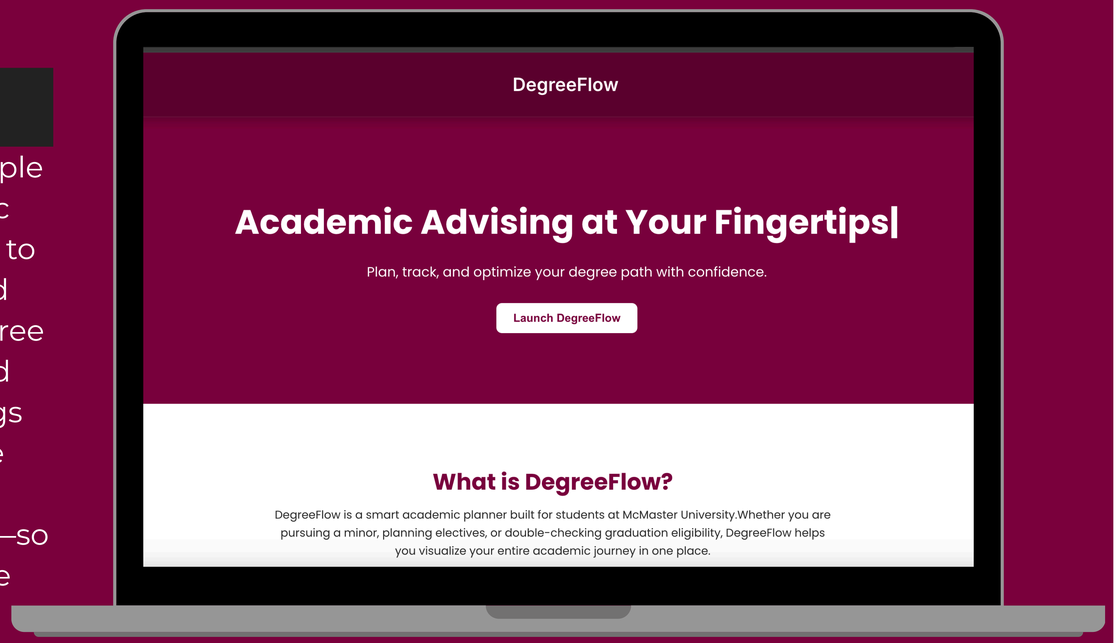
MCMASTER ENGINEERING SOCIETY

DegreeFlow

Motivation

McMaster students often juggle multiple tools—from Mosaic to the Academic Calendar to CreateMyTimetable—just to plan one semester. This fragmented experience makes it hard to track degree progress, find open courses, or avoid schedule conflicts. DegreeFlow brings everything together in one intuitive platform—merging course data, timetables, and degree requirements—so students can plan smarter, graduate faster and stress less.



Tech Stack & Collaborations

Frontend
- CSS
- React.js
- Testing using Selenium

Integrations
- Academic Calendar API
- Gmail SMTP (Email Notifications)

DevOps
- GitHub
- Maven for build

Backend
- Spring Boot (Java)
- PostgreSQL (hosted on Azure)
- Spring Security
- Testing with TestNG

Hosted on MES website

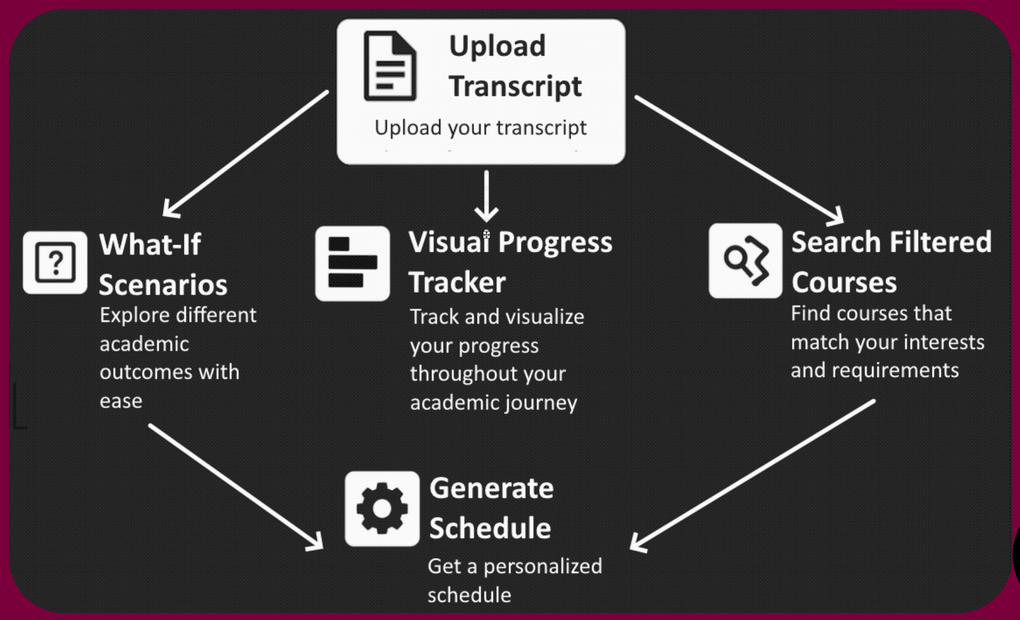
Collaborations
Built in collaboration with McMaster UTS

Supported by
McMaster Engineering Society

About DegreeFlow

DegreeFlow is a smart academic planner built for students at McMaster University. Whether you are pursuing a minor, planning electives, or double-checking graduation eligibility, DegreeFlow helps you visualize your entire academic journey in one place.

Your paragraph text



Key Features

- **Visual Progress Tracker-**Instantly see how many units you've completed across core, technical, and elective courses. Stay on top of what's left to graduate — no guesswork required**.**
- **Upload Your Transcript-**Just upload your Mosaic transcript and we'll auto-generate a timeline of your completed courses. No manual entry — it's quick and simple.
- **Conflict-Free Schedule Builder-**Plan your upcoming semester with real-time seat alerts and auto-conflict detection. No more switching tabs or second-guessing your timetable.
- **Seat Alerts-**Don't miss out on full courses. Set alerts and get notified when a seat opens up . You'll be the first to know — and the first to register.

Meet Our Team

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