



## Civil Engineering MEng (course-based) Program

Fall 2021 / Winter 2022

### Tentative List of Graduate Courses in Civil Engineering

#### Fall 2021:

1. ENCI 611 – Bituminous Materials
2. ENCI 619 – Integrated Infrastructure for Sustainable Cities
3. ENCI 619 – Wood Design
4. ENCI 619 – Transportation Land Use Modeling
5. ENCI 651 – Conservation of Heritage Structures II
6. ENCI 653 – Theory and Applications of the Finite Element Method
7. ENCI 657 – Airport Planning and Engineering
8. ENCI 667 – Applied Rock Mechanics
9. ENCI 675 – Landslides and Slope Stability
10. ENCI 697 – Project Planning and Control
11. ENCI 699 – Law for Project Managers

#### Winter 2022:

1. ENCI 619 – Engineering Hydrology & Hydraulics
2. ENCI 619 – Hydrogeology
3. ENCI 619 – Scientific Computing for Engineers
4. ENCI 619 / ENEN 619 – Sustainable Design for Civil & Environmental Engineering
5. ENCI 621 – Computer Analysis of Structures
6. ENCI 623 – Behaviour and Design of Reinforced Concrete Members
7. ENCI 671 – Advanced Foundation Engineering
8. ENCI 689 – Advanced Project Management Practices and Principles
9. ENCI 693 – Project Engineering Management
10. ENCI 695 – Project Construction Management
11. ENCI 711 – Advanced Analysis and Modelling of Public Transit Systems
12. ENCI 717 – Dynamic Traffic Flow and Network Modelling

### List of Core Graduate Courses in Engineering

#### Fall 2020:

1. ENGG 682 – Sustainability
2. ENGG 684 – Introduction to Project Management
3. ENGG 687 – Ethics, Law, and the Engineering Profession

#### Winter 2021:

1. ENGG 681 – Engineering Tools
2. ENGG 683 – Innovation and Entrepreneurship
3. ENGG 686 – Climate Change Adaptation for Engineers