Capstone Design (6 credits)  
Final Year Project  
[6] COMP4981  
Or  
Final Year Thesis  
[6] COMP4981H  
Or  
Co-op Program  
[6] COMP4910  

Total Program Requirements (including Ucore, without double-count):  
111-115 credits  

Offering in both Fall and Spring semesters  
Winter/Summer Offering  

Areas (18 credits)  

Artificial Intelligence / Theory Area  
Software / Database Area  
Graphics / Multimedia Area  
Systems / Networking Area  

5 courses (at least 3 courses should be taken from 1 area and at least 2 courses outside that area) [15] **  

** Students may use at most one course under Deep Learning Applications (COMP 4471 and COMP 5223) to count towards this elective requirement  

Foundation (28 credits)  

Intro. to Software Engineering  
[4] COMP3111 or COMP3111H  

OOP & Data Structure  

Design & Analysis of Algorithms  
[3] COMP3711  

Discrete Math. tools for COMP  
[4] COMP2711  

Comp. Organization  
[4] COMP2611  

Operating System  
[3] COMP3511  

Tech. Comm. II  
[3] LANG4030  

Tech. Comm. I  
[3] LANG2030  

Industrial/Internship Training  
[0] COMP1991  

CSE Programming (7 credits)  

Programming with C++  

*Intro to Comp  
[3] COMP1021 or COMP1022P  

*Also counted as COMP and common core requirements  

Non-major (16-20 credits)  

U core Science  
[2-3] CHEM1004/1010/1020  
or  
LIFS1901 or  
PHYS1001/1112/1312  

Engg. Intro Course  
[3-4] SENGXXXX  

Probability and/or Statistics  
[3-4] MATH2411/2421/2431 or IDEA2520/2540 or ELEC2600  

Calculus I  
[3-4] MATH1012/1013/1023  

Calculus II  
[3] MATH1014/1024  

Or  
Acc. Calculus  
[4] MATH1020  

Matrix Algebra & Applications  
[3] MATH2111  

Total Program Requirements (including Ucore, without double-count):  
111-115 credits  

Offering in both Fall and Spring semesters  
Winter/Summer Offering