

Software Engineering

September 2019 (students who entered first year in September 2015 or earlier)

Year 2: Term A

AM 2270a Applied Mathematics for Engineering II

ECE 2277a **Digital Logic Systems** SE 2203a Software Design

Math 2151a Discrete Structures for Engineering CS 1037a Computer Science Fundamentals II SS 2141a **Applied Probability and Statistics**

Term B

AM 2276b Applied Mathematics for Elec & Mech Eng III ECE 2238b Introduction to Electrical Engineering SE 2205b Algorithms and Data Structures SE 2250b **Software Construction**

Engineering Communications One 0.5 Non-technical Elective from the Approved List

Year 3:

ES 2211G

Term A

ECE 4436a Networking: Principles, Protocols, and Architecture SE 3309a **Database Management Systems** SE 3313a Operating Systems for Software Engineering SE 3316a Web Technologies Software Requirements & Analysis SE 3352a

Term B

ECE 3375b Microprocessors and Microcomputers SE 3310b Theoretical Foundations of Software Engineering SE 3314b **Computer Networks Applications** SE 3350b Software Engineering Design I SE 3351b Software Project and Process Management SE 3353b **Human-Computer Interaction**

Year 4:

Term A

Bus 2299E **Business for Engineers** Software Engineering Design II SE 4450 SE 4452a Software Testing and Maintenance

SE 4472a Information Security

Two 0.5 Technical electives

Term B

Bus 2299E **Business for Engineers** SE 4450 Software Engineering Design II

SE 4455b Cloud computing: concepts, technologies and applications ES 4498G Engineering Ethics, Sustainable Development and the Law

Two 0.5 Technical electives

NOTES:

Non-technical Electives:

For a list of approved non-technical electives, please visit: http://www.eng.uwo.ca/undergraduate/upper_year/electives.html

Technical Electives List:

Some technical electives may not be offered in a given academic year. Consult the Academic Timetable for a current listing.

ECE 3389A/B	Computer System Design
ECE 3390A/B	Hardware/Software Co-Design
ECE 4460A/B	Real-Time and Embedded Systems
SE 4470a/b	Selected Topics in Software Eng. I
SE 4471a/b	Selected Topics in Software Eng. II
CS 2034A/B	Data Analytics: Principles and Tools
CS 3342A/B	Organization of programming languages
CS 3346A/B	Artificial Intelligence I
CS 3388A/B	Computer Graphics I
CS 4402A/B	Distributed and Parallel Systems
CS 4442A/B	Artificial Intelligence II
CS 4445A/B	Analysis of Algorithms II
CS 4463A/B	Computational Biology
CS 4482A/B	Game Engine Development
CS 4483A/B	Game Design