

# SOFTWARE ENGINEERING MINOR (M)

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The Software Engineering Minor equips students with foundational and advanced skills in designing, developing, testing, and maintaining high-quality software systems. Through a sequence of courses emphasizing software architecture, engineering principles, collaborative development, and real-world project work, students gain **practical technical proficiency, structured problem-solving abilities, and teamwork experience** that complement their major field of study. Upon completion, graduates are prepared to contribute effectively to software development teams, produce reliable and maintainable code, and apply ethical and professional standards that reflect Concordia's mission to serve with integrity and purpose.

## Curriculum

Code	Title	Hours
<b>Required Courses</b>		
CSC 2000	Coding I - Fundamentals	3
CSC 2050	Coding II - Algorithms	3
CSC 3200	Systems Programming	3
CSC 3210	Programming Language Theory	3
CSC 4200	Theoretical Computer Science	3
CSC 4400	Coding III - Data Structures	3
<b>Total Hours</b>		<b>18</b>