

# Bachelor of Science in Computer Science and Information Systems

## Requirements

### Mathematics

MA 107	Precalculus Mathematics	4
MA 121	Calculus I	4
MA 122	Calculus II	4
MA 380	Theory of Computation	3
MA 306	Discrete Mathematics	3
MATH 232	Elementary Statistics	3

### Electrical/Computer Engineering

EE 215	Fundamentals of Digital Design	4
EE 321	Embedded Systems	4

### Computer Science

CYBR 110	Introduction to Computer Programming	3
CS 301	Software Engineering	3
CS 270	Operating Systems & Parallelism	3
*CSXXX	(Computer Architecture and Reverse Engineering)	4
*CSXXX	(Capstone)	6
CYBR 201	Fundamentals of Computer Networking	3
CYBR 210	Computer Programming with a High Level Language	3
CS 228	Introduction to Data Structures	3
CYBR 215	Computer Programming with a Low Level Language	3
CYBR 230	Relational Databases with SQL	3

\* courses under development but not yet approved by University Curriculum Committee

Total Cr.		63
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## Faculty

Faculty Member	Institution at which highest degree was earned
Henry Collier (Program Manager)	Champlain College