

	University of Alberta		University of Calgary
<b>19-Soft-A1</b> CMPUT 204 &	Algorithms & Data Structures Algorithms I	ENSF 338 &	Practical Data Structures and Algorithms
CMPUT 304	Algorithms II	ENSF 300	Software Engineering Practices for data Management
<b>19-Soft-A2</b> ECE 311	Computer Architecture and Operating Systems Computer Organization and Architecture	ENCM 369	Computer Organization
& CMPUT 379	Operating Systems Concepts	& ENSF 461	Applied Operating Systems
<b>19-Soft-A3</b> CMPUT 301	Software Design Introduction to Software Engineering	ENSF 380	Object Oriented Principles for Software Design
19-Soft-A4	Real Time Systems No Course Equivalent Offered	ENSF 460	Embedded Software and Hardware Systems
<b>19-Soft-A5</b> ECE 321	Requirements & Specifications Software Requirements Engineering	SENG 471	Software Requirements Engineering
<b>19-Soft-A6</b> ECE 322	Software Quality Assurance Software Testing and Maintenance Engineering	SENG 438	Software Testing, Reliability and Quality
<b>19-Soft-A7</b> CMPUT 401	Software Development Process Software Processes and Product Management	ENSF 409	Principles of Software Development
19-Soft-B1 ECE 421	Advanced Software Design Exploring Software Development Domains	ENSF 480	Principles of Software Design
19-Soft-B2	User Interface No Course Equivalent Offered	CPSC 481	Human Computer Interaction I
19-Soft-B3 CMPUT 333	Security Security in a Networked World	CPSC 525	Principles of Computer Security
<b>19-Soft-B4</b> ECE 412	Dependable Systems Fault-Tolerant Computing		No Course Equivalent Offered
19-Soft-B5 CMPUT 474	Software Modeling & Verification (Formal Method) Formal Languages, Automata and Computability	SENG 523	Formal Methods
19-Soft-B6 CMPUT 401	Software Project Management Software Process and Product Management	SENG 511	Software Project Management
19-Soft-B7	Reverse Engineering, Maintenance & Evolution No Course Equivalent Offered		No Course Equivalent Offered
<b>19-Soft-B8</b> ECE 420	Distributed Systems Parallel and Distributed Programming (Credit for one of B8 or B9 only)	ENSF 462	Networked Systems
<b>19-Soft-B9</b> ECE 420	Parallel Computing Parallel and Distributed Programming (Credit for one of B8 or B9 only)		No Course Equivalent Offered
<b>19-Soft-B10</b> ECE 487	Networking and Communication Data Communications Networks	ENSF 462	Networked Systems
19-Soft-B11 ECE 360	Process Control Systems Control Systems I	ENEL 441	Control Systems I
19-Soft-B12 CMPUT 340	Engineering Computation: Numerics Introduction to Numerical Methods	ENCM 517	Computer Arithmetic and Computational Complexity
19-Soft-B13 ECE 421	Performance Analysis and Simulation Exploring Software Development Domains	SENG 533	Software Performance Evaluation
19-Soft-B14 ECE 422	Safety Critical Systems Reliable and Secure Systems Design		No Course Equivalent Offered
<b>19-Soft-B15</b> ECE 449	Artificial Intelligence Intelligent Systems Engineering	ENSF 544	Data Science for Software Engineers
<b>19-Soft-B17</b> CMPUT 474	Programming Language, Semantics and Implementation Formal Languages, Automata and Computability		No Course Equivalent Offered
<b>19-Soft-B18</b> CMPUT 411	Data Visualization Introduction to Computer Graphics	CPSC 453	Introduction to Computer Graphics
			Updated May 2023