

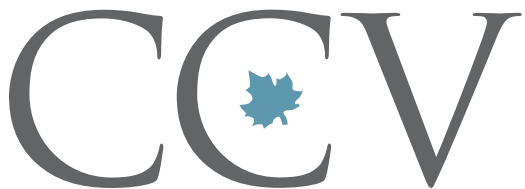
INFORMATION TECHNOLOGY A.S.

This is a suggested, full-time pathway. Not all courses are available in each semester. Students will develop a sequence of courses that best meets their needs in consultation with advisors and using the planning tools available.

SEMESTER MAP: CLOUD COMPUTING FOCUS

	Semester 1	Semester 2	Semester 3	Semester 4
	INT-1050 Dimensions of Self & Society	ENG-2135 Technical Writing & Research*	CIS-2120 Network & Security Foundations*	HUM-2010 Seminar in Educational Inquiry*
	ENG-1061 English Composition	<i>Social Science</i>	CIS-2230 System Administration*	<i>Humanistic Perspectives</i>
	<i>Mathematics</i>	CIS-2210 Python Programming or CIS-1145 Programming I	CIS-2245 Concepts of Computer Security*	<i>Communication</i>
	CIS-1100 Introduction to Computer Science	CIS-1350 Desktop Operating Systems	CIS-2350 Cloud Infrastructure & Services*	<i>Art & Aesthetics</i>
	CIS-1450 Foundations of Cloud Computing	<i>Natural Science</i>	<i>Elective</i>	CIS-2460 Cloud Computing Capstone*
Semester Credits	15 credits	16 credits	16 credits	15 credits
Cumulative Credits	15 credits	31 credits	47 credits	60 credits

*Course has prerequisite that can be completed concurrently as outlined in semester map. Please consult catalog for more information. Elective and general education choice courses are italicized.



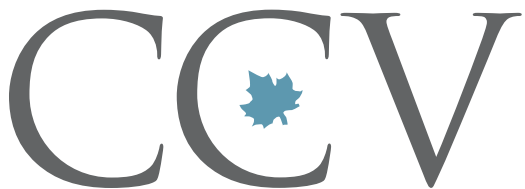
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SEMESTER MAP: CYBERSECURITY & NETWORKING FOCUS

	Semester 1	Semester 2	Semester 3	Semester 4
	INT-1050 Dimensions of Self & Society	ENG-2135 Technical Writing & Research*	CIS-2120 Network & Security Foundations*	HUM-2010 Seminar in Educational Inquiry*
	ENG-1061 English Composition	<i>Social Science</i>	CIS-2230 System Administration*	CIS-2265 Cyber Defense & Network Security*
	<i>Mathematics</i>	<i>Arts & Aesthetics</i>	CIS-2245 Concepts of Computer Security*	<i>Communication</i>
	CIS-1100 Introduction to Computer Science	CIS-1350 Desktop Operating Systems	CIS-2255 Principles & Management of Cybersecurity	CIS-2235 Advanced System Administration*
	CIS-2210 Python Programming or CIS-1145 Programming I	<i>Natural Science</i>	<i>Humanistic Perspectives</i>	
Semester Credits	15 credits	16 credits	16 credits	13 credits
Cumulative Credits	15 credits	31 credits	47 credits	60 credits

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SEMESTER MAP: IT SUPPORT FOCUS

	Semester 1	Semester 2	Semester 3	Semester 4
	INT-1050 Dimensions of Self & Society	ENG-2135 Technical Writing & Research*	CIS-2120 Network & Security Foundations*	HUM-2010 Seminar in Educational Inquiry*
	ENG-1061 English Composition	<i>Social Science</i>	CIS-2230 System Administration*	<i>Humanistic Perspectives</i>
	<i>Mathematics</i>	<i>Arts & Aesthetics</i>	CIS-2245 Concepts of Computer Security*	CIS-2360 Computer User Support*
	CIS-1100 Introduction to Computer Science	CIS-1350 Desktop Operating Systems	CIS-2110 Concepts of PC Hardware	CIS-1035 Foundations of Information Security
	CIS-1145 Programming I or CIS-2210 Python Programming	<i>Natural Science</i>	<i>Elective</i>	<i>Elective</i>
Semester Credits	15 credits	16 credits	16 credits	13 credits
Cumulative Credits	15 credits	31 credits	47 credits	60 credits

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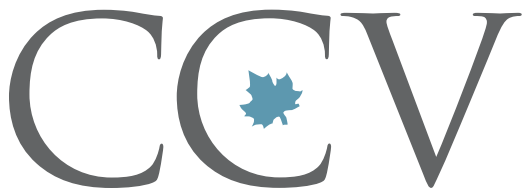
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SEMESTER MAP: WEB DEVELOPMENT FOCUS

	Semester 1	Semester 2	Semester 3	Semester 4
	INT-1050 Dimensions of Self & Society	ENG-2135 Technical Writing & Research*	CIS-2120 Network & Security Foundations*	HUM-2010 Seminar in Educational Inquiry*
	ENG-1061 English Composition	<i>Social Science</i>	CIS-2230 System Administration*	<i>Humanistic Perspectives</i>
	<i>Mathematics</i>	<i>Arts & Aesthetics</i>	CIS-2080 Content Management Systems	<i>Communication</i>
	CIS-1100 Introduction to Computer Science	CIS-1350 Desktop Operating Systems*	CIS-2140 JavaScript for Web Development	CIS-1152 Advanced Web Development*
	CIS-1151 Web Development	Elective	CIS-2210 Python Programming or CIS-1145 Programming I	<i>Natural Science</i>
Semester Credits	15 credits	14-16 credits	16 credits	15 credits
Cumulative Credits	15 credits	29-31 credits	45-47 credits	60-62 credits

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SEMESTER MAP: DATA ANALYTICS AND ARTIFICIAL INTELLIGENCE (AI) FOCUS

	Semester 1	Semester 2	Semester 3	Semester 4
	INT-1050 Dimensions of Self & Society	ENG-1061 English Composition	ENG-2135 Technical Writing & Research*	HUM-2010 Seminar in Educational Inquiry*
	CIS-1100 Introduction to Computer Science	<i>Communication</i>	CIS-2120 Network and Security Foundations*	CIS-2230 System Administration*
	CIS-1270 Introduction to Artificial Intelligence (AI)	CIS-1350 Desktop Operating Systems	<i>Humanistic Perspective</i>	CIS-2420 Data Visualization and Power BI*
	CIS-1280 Introduction to Data Analytics	CIS-2210 Python Programming or CIS-1145 Programming I	CIS-2330 Fundamentals of Database Systems*	<i>Arts & Aesthetics</i>
	MAT-2021 Statistics	<i>Natural Science</i>	<i>Social Science</i>	Elective
Semester Credits	15 credits	16 credits	15 credits	14-16 credits
Cumulative Credits	15 credits	31 credits	46 credits	60-62 credits

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