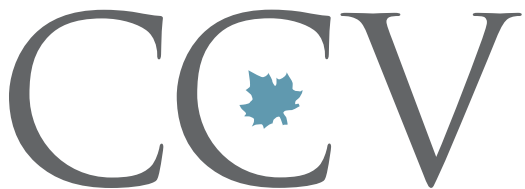# CCV

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	*Social Science*	CIS-2230 System Administration*	*Humanistic Perspectives*
	Mathematics	CIS-2210 Python Programming or CIS-2261 Java Programming	CIS-2245 Concepts of Computer Security*	*Communication*
	CIS-1100 Introduction to Computer Science	CIS-1350 Desktop Operating Systems*	CIS-2350 Cloud Infrastructure & Services*	*Art & Aesthetics*
	CIS-1450 Foundations of Cloud Computing*	*Natural Science*	*Elective*	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.
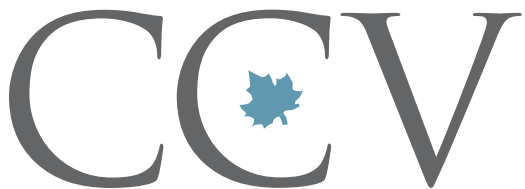
INFORMATION TECHNOLOGY A.S.

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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	*Social Science*	CIS-2230 System Administration*	CIS-2265 Cyber Defense & Network Security
	Mathematics	*Arts & Aesthetics*	CIS-2245 Concepts of Computer Security*	*Communication*
	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-2261 Java Programming	*Natural Science*	*Humanistic Perspectives*	
Semester Credits	15 credits	16 credits	16 credits	13 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.

INFORMATION TECHNOLOGY A.S.

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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	*Social Science*	CIS-2230 System Administration*	*Humanistic Perspectives*
	Mathematics	*Arts & Aesthetics*	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-2261 Introduction to Java I or CIS-2210 Python Programming	*Natural Science*	*Elective*	*Elective*
Semester Credits	15-16 credits	16 credits	16 credits	13 credits
Cumulative Credits	15-16 credits	31-32 credits	47-48 credits	60-61 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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INFORMATION TECHNOLOGY A.S.

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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	*Social Science*	CIS-2230 System Administration*	*Humanistic Perspectives*
	Mathematics	*Arts & Aesthetics*	CIS-2245 Concepts of Computer Security*	*Communication*
	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	*Natural Science*	CIS-2210 Python Programming or CIS-2261 Java Programming	*Elective*
Semester Credits	15 credits	16 credits	16 credits	13 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.