

B.S. Information Technology - Degree Completion Guide (Spring 2020 - Current)

The highlighted cells indicate General Education Courses for *B.S. Information Technology*

The minimum credits required for graduation: 120

Year 1			Credits
Fall	IGED 110	Foundation Writing I	3
	IGED 130	Foundation Oral Communication	3
	MATH 116	Finite Mathematics	3
	APCT 115	Foundations of Computing	3
	APCT 110/111	Intro to Programming (Lec+Lab)	3
	Subtotal		15
Spring	IGED 111	Foundation Writing II	3
		Natural Science Elective (Lec+Lab)	4
	CMOP 131/132	Computer Networking Fundamentals (Lec+Lab)	4
	APCT 231/233	Computer Science I (Lec+Lab)	4
	Subtotal		15

Year 3			Credits
Fall	IGED 280	Discovery Civics	3
	CSCI 306	Computer Ethics and Laws	3
	CSCI 315	Unix and System Programming	3
	CSCI 342	System & Network Administration	3
	CSCI 345	Human Computer Interaction	3
	Subtotal		15
Spring	CSCI 343	Database Administration	3
	CSCI 353	Information Security	3
		IT Elective+	3
		IT Elective+	3
		IT Elective+	3
	Subtotal		15

Year 2			Credits
Fall	IGED 140	Foundation Ethics	3
	IGED 210	Discovery Writing	3
	MATH 185	Elementary Statistics I	3
	APCT 232/234	Computer Science II (Lec+Lab)	4
	CMOP 235/236	Intro. to WebPage Development and HTML (Lec+Lab)	3
	Subtotal		16
Spring	IGED 270	Discovery Diversity	3
	MATH 215	Calculus for Business, Social and Life Sciences	4
	CSCI 308	Advanced Object-Oriented Programming	3
	CMOP 231/232	Wireless Local Area Networks (Lec+Lab)	3
		Natural Science Elective (Lec+Lab)	4
	Subtotal		17

Year 4			Credits
Fall	CSCI 498	Senior Project I	3
		IT Elective+	3
		IT Elective+	3
		IT Elective+	3
		IT Elective+	3
	Subtotal		15
Spring	CSCI 441	Digital Forensics	3
	CSCI 452	Database Systems Design	3
	CSCI 499	Senior Project II	3
		IT Elective+	3
Subtotal			12

All IT students are allowed to take all BSCS courses as the part of BSIT electives if they satisfy the pre-requisite requirements of the courses. The IT students are also allowed to take 3 courses (9 credits) from a chosen area (Business Management, Multimedia, and Criminal Justice) in consultation with the student's Advisor and Chair.

The following courses are the approved BSIT electives.

Course number	Title	New Credits
APCT 341	Advanced Web Development	3
CSCI 317	Multimedia Programming & Design	3
CSCI 341	Software Engineering	3
CSCI 351	Computer Networks	3
CSCI 352	Network Security	3
CSCI 412	Operating Systems	3
CSCI 415	Computer Organization and Architecture	3
CSCI 453	Secure Software Engineering	3
CSCI 451	Advanced Network Management	3
CSCI 455	Cryptography	3

