

Computing (B.S.)

Concentration in Information Technology- Recommended Four-Year Plan 2019-2020 Catalog Year

First Year - Fall	Credits	First Year – Spring	Credits
CPSC 130 - Intro to Computing & Programming	3	CPSC 146 - Programming Principles	3
(SUBJ 139) - University Seminar	3	MATH 125 - Pre-Calculus	4
INDS 101 - FYRST	1	ENGL 104 – Critical Reading	3
MATH 120 – Intermediate Algebra or SCI 101 – Science of Life	3	COMM 200 – Civil Discourse or PHIL 110 – Ethics and Civil Discourse or POLS 235 – Civil Discourse and Democracy	3
ENGL 102 – Critical Writing	3	Rock Studies – Social Science Inquiry	3
Rock Studies - Creative & Aesthetic	3		3
Total credits:	16	Total credits:	16
Second Year – Fall	Credits	Second Year – Spring	Credits
CPSC 207 - Shell Commands and Scripting	3	CPSC 323 - Database Systems	3
CPSC 217 - Structured & Dynamic Web Programming	3	IT Elective or Free Elective	3
STAT 152 – Elementary Statistics I	3	ART 114 - Basic Studio Dig Med	3
SCI 101 – Science of Life or IT Elective	3	Rock Studies – Humanities Inquiry	3
IT Elective or Free Elective	3	SCI 102 – Understanding the Physical World	3
Total credits:	15	Total credits:	15
Third Year – Fall	Credits	Third Year – Spring	Credits
CPSC 311 - Discrete Comp Structures	3	CPSC 327 - Administration & Security (S)	3
CPSC 300 - Challenges of Comp Tech	3	ART 214 MGMT 351 MRKT 330	3
CPSC 317 - Scripting Languages (F)	3	Rock Studies - Thematic Thread	3
Rock Studies - Thematic Thread	3	IT Elective or Free Elective	3
IT Elective or Free Elective	3	IT Elective or Free Elective	3
Total credits:	15	Total credits:	15
Fourth Year - Fall	Credits	Fourth Year – Spring	Credits
CPSC 423 - Computer Networks (F)	3	CPSC 427 - Interface Design (S)	3
CPSC 337 - Intro to Web Graphics	3	Rock Studies - Thematic Thread	3
ART 314 Management 3/4xx MRKT 3/4xx	3	IT Elective or Free Elective	3
Rock Studies - Thematic Thread	3	IT Elective or Free Elective	3
IT Elective or Free Elective	3	IT Elective or Free Elective	3
Total credits:	15	Total credits:	15
		TOTAL PROGRAM CREDITS:	120-122

Rock Studies Program is 42 credits

(F) Course only offered in Fall

(S) Course only offered in Spring

IT Elective Courses (6 credits)

Course	Term	Description	Credits
CPSC	F	125: 3D Modeling for Computing	3
CPSC	F	215: Cross Platform Mobile App Dev	3
CPSC	S	236: Selected Computer Languages	3
CPSC	F&S	246: Advance Programming Principles	3
CPSC	F	301: Practical Computer Security	3
CPSC	F	315: Computer Gadget Project	3
CPSC	S	333: Intro to Computer Forensics	3
CPSC	F	405: Data Mining and Data Analysis	3
CPSC	Sum	406: Data Visualization	3
CPSC	S	417: Advanced Web Technologies	3
MIS	S	443: Software Project Management	3
CPSC	F&S	450: Internship***	

Cross-Listed courses: MIS 300, MIS 301, MIS 323, MIS 333

*** Jr. or Sr. Computing major with 3.0 GPA. Application required

This document is meant to serve as a guide. Consult with your academic advisor prior to registering. This plan should be reviewed, and verified, by you and your academic advisor at least once each academic year.

Major Code: 6420
Concentration Code: 643C
Revised date: 10-2019