



**PLAN OF STUDY
COMPUTER SCIENCE
EFFECTIVE CATALOG YEAR 2016-17**



Sample Schedule (subject to course rotations)

FALL		SPRING	
First Semester	CR	Second Semester	CR
SGE Written Communication	3	SGE Oral Communications	3
IGR CSC 105 Introduction to Computers	3	SGE Social Sciences	3
IGR CSC 150 Computer Science I	3	CSC 250 Computer science II	3
SGE Mathematics (MATH 102)	3	CSC 245 Info Security Fundamentals	3
SGE Art and Humanities	<u>3</u>	MATH 201 Intro to Discrete Math	<u>3</u>
	15		15

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Third Semester	CR	Fourth Semester	CR
SGE Written Communication	3	SGE Social Science	3
SGE Natural Science	3	SGE Natural Sciences	3
SGE Arts and Humanities	3	CSC 300 Data Structures	3
MATH Elective (1)	3	CIS 484 Database Management Systems	3
CSC 260 Object Oriented Design	<u>3</u>	MATH Elective (2)	<u>3</u>
	15		15

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Fifth Semester	CR	Sixth Semester	CR
CIS 383 Networking I	3	IGR Writing Intensive	3
CIS 332 Structured Systems Analysis	3	WEL 100/100L Wellness for Life/Lab	2
CSC 482 Algorithms and Optimization	3	CSC 410 Parallel Computing	3
CSC 314 Assembly Language	3	CIS/CSC 300-400 Elective (1)	3
MATH 316 Discrete Math	<u>3</u>	MATH 123 Calculus I	<u>4</u>
	15		15

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Seventh Semester	CR	Eighth Semester	CR
CSC 461 Programming Languages	3	CSC 456 Operating Systems	3
CSC 470 Software Engineering	3	CSC 466 Language Processing	3
CIS/CSC 300-40 Elective (2)	3	CIS/CSC 300-400 Elective (3)	3
MATH 281 or MATH 381 Probability & Statistics	3	Open elective (2)	3
Open elective (1)	<u>3</u>	Open elective (3)	<u>3</u>
	15		15

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