

## Course Rotation

### Bachelor of Science – Computer Science-Software Engineering

<b>Required Core Courses</b>	
Refer to DegreeWorks for General Education Requirements	<b>42 hours</b>

Required Intro to Computer Science Courses			
Course Number	Course Title	Fall	Spring
MATH 2413	Calculus I	X	X
MATH 2305	Discrete Mathematics		X
MATH 2414	Calculus II	X	X
Math Elective	Math Elective (see schedule)		
COSC 1315	Introduction to Computer Science	X	

Required Computer Science Core Classes			
Course Number	Course Title	Fall	Spring
EE 340	Computer Architecture	X	
CS 310	Analysis of Algorithms		X
CS 332	C++ Programming	X	
CS 355	Python Programming	X	
CS 361	Database Systems and Design		X
CS 370	Programming Language Design	X	
CS 410	Operating Systems		X
CS 420	Computer Networks		X
CS 480	Innovation Lab		X
CS 490	CS Senior Design I	X	
CS 491	CS Senior Design II		X

Software Engineering Concentration			
Course Number	Course Title	Fall	Spring
MATH 430	Mathematical Modeling	X	
CS 360	Artificial Intelligence		X
CS 367	Software Engineering	X	
CS 481	Software Project Management		X
CS 483	User Design Methodology	X	
MIS 362	System Analysis and Design	X	

Course offerings are subject to change  
 Summer courses are not shown