

Special Note: This rotation is accurate as of August 2018. Unforeseen events could impact the offering of a particular course; however, academic units will make every effort to assure the least negative impact on students should a change in a rotation be required. Please note that the rotations may not include individualized courses such as independent studies, dissertations, theses, professional papers, practicums, etc. which are offered to individual students as a part of their programs of study. It is highly advisable that students consult with their advisors to most effectively choose courses to complete their degree plans.

## Mathematics & Computer Science Courses Offered by Semester (2018-2023)

COURSE		18/FA	19/SP	19/SU	19/FA	20/SP	20/SU	20/FA	21/SP	21/SU	21/FA	22/SP	22/SU	22/FA	23/SP	23/SU
CSCI 1403	A FIRST COURSE IN COMPUTING	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CSCI 1421	PROG FUNDAMENTALS I-LAB	X	X		X	X		X	X		X	X		X	X	
CSCI 1423	PROGAMMING FUNDAMENTALS I	X	X		X	X		X	X		X	X		X	X	
CSCI 1513	INTRODUCTION TO INFORMATICS	X		X	X		X	X		X	X		X	X		X
CSCI 2433	MICROCOMPUTER APPLICATIONS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CSCI 2443	COMP ORG & MACHINE LANGUAGE		X			X			X			X			X	
CSCI 2493	PROGRAMMING FUNDAMENTALS II	X	X		X	X		X	X		X	X		X	X	
CSCI 2513	INFORMATION SECURITY & ETHICS			X	X		X			X	X		X			
CSCI 3002	ADVANCED COMPUTING TECHNOLOGY	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CSCI 3013	APPLIED COMPUTATIONAL THINK		X	X		X	X		X	X		X	X		X	X
CSCI 3053	DATA STRUCTURES	X	X		X			X	X		X			X	X	
CSCI 3103	APPLIED COMPUTER GRAPHICS			X			X			X			X			
CSCI 3113	FUNDAMENTALS OF SAS PROGRAMG		X				X		X				X		X	
CSCI 3333	FUNDAMENTALS OF SOFTWARE TEST		X						X						X	
CSCI 3353	INTERACTIVE DIGITAL ART		X			X			X			X			X	
CSCI 3413	SOFTWARE ENGINEERING	X			X			X			X			X		
CSCI 3423	DATA BASE MANAGEMENT	X			X			X			X			X		
CSCI 3441	DIGITAL LOGIC COMP ARCH-LAB	X			X			X			X			X		
CSCI 3443	DIGITAL LOGIC-COMP ARCHITECT	X			X			X			X			X		
CSCI 3513	INFO SYSTEMS PROJECT MGMT		X			X			X			X			X	
CSCI 3613	INTRO TO ALGORITHMS		X			X			X			X			X	
CSCI 3703	INTERFACE DESIGN & DEVELOP			X			X			X			X			X

COURSE		18/FA	19/SP	19/SU	19/FA	20/SP	20/SU	20/FA	21/SP	21/SU	21/FA	22/SP	22/SU	22/FA	23/SP	23/SU
CSCI 3803	WEB SITE DEVELOPMENT	X			X			X			X			X		
CSCI 4303	ADV MODELING & VISUALIZATION		X	X		X			X	X		X			X	X
CSCI 4311	SEMINAR IN COMPUTER SCIENCE		X													
CSCI 4313	NETWORKING & DATA COMMUNICATE	X			X			X			X			X		
CSCI 4353	ADV INTERACTIVE DIGITAL ART		X			X			X			X			X	
CSCI 4523	ADVANCED DATA DESIGN		X						X						X	
CSCI 4533	TRENDS & ISSUES IN COMPU SCI	X		X	X		X									
CSCI 4623	BIG DATA & HIGH PERF COMPUT		X			X			X			X			X	
CSCI 4723	MACHINE LEARNING	X			X			X			X			X		
CSCI 4803	PROGRAMMING FOR THE WEB		X						X							
CSCI 4823	PRINCIPLES OF DATA MINING		X			X			X			X			X	
CSCI 5103	FUNDAMENTALS OF INFORMATICS	X		X	X		X	X		X	X		X	X		
CSCI 5203	DATABASE SYSTEMS	X			X			X			X			X		
CSCI 5413	DATA COMMUNICATION NETWORKS	X			X			X			X			X		
CSCI 5443	HUMAN-COMPUTER INTERFACE			X			X			X			X			X
CSCI 5513	DATA & INFO VISUALIZATION		X			X			X			X			X	
CSCI 5643	INTERNET/INTRANET SERVICES					X						X				
CSCI 5653	TECH ISSUES & CHALLENGE IN ED	X						X								
CSCI 5663	STATISTICAL PROGRAMMING		X				X		X				X			
CSCI 5673	BIG DATA: MGMT, ACCESS, & USE		X			X			X			X			X	
CSCI 5793	STATISTICAL COMPUTER PACKAGES	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CSCI 5803	DATA WAREHOUSING		X			X			X			X			X	
CSCI 5813	DATA WAREHOUSE & DATA MINING	X			X			X			X			X		
CSCI 5823	MODELING MACHINE LEARNING	X			X			X			X			X		
CSCI 5893	STATISTICAL PACKAGES II		X	X		X	X			X			X			X
CSCI 5921	STAT ANALYSIS WITH COMPUTERS															
MATH 1013	FINAN & QUANTITATIVE LITERACY	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MATH 1023	INTRODUCTION TO MATHEMATICS	X	X		X	X		X	X		X	X		X	X	
MATH 1113	FUNDAMENTALS OF ALGEBRA	X	X		X	X		X	X		X	X		X	X	
MATH 1123	TRANSITION TO COLLEGE MATH	X	X		X	X		X	X		X	X		X	X	
MATH 1303	ELEMENTARY ANALYSIS I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MATH 1313	ELEMENTARY ANALYSIS II	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MATH 1323	ELEMENTARY ANALYSIS III	X														

COURSE		18/FA	19/SP	19/SU	19/FA	20/SP	20/SU	20/FA	21/SP	21/SU	21/FA	22/SP	22/SU	22/FA	23/SP	23/SU
MATH 1523	MATHEMATICS CONCEPTS I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MATH 1533	MATHEMATICS CONCEPTS II	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MATH 1543	MATHEMATICS CONCEPTS III	X	X		X	X		X	X		X	X		X	X	
MATH 1703	ELEMENTARY STATISTICS I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MATH 1713	ELEMENTARY STATISTICS II	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MATH 2014	CALCULUS I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MATH 2024	CALCULUS II	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MATH 2053	WOMEN & MIN IN ENG, MATH, SCI		X			X			X			X			X	
MATH 2203	BUSINESS ANALYSIS I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MATH 3003	A SURVEY OF GEOMETRY			X												
MATH 3013	DISCRETE MATHEMATICS		X	X		X	X		X	X		X	X		X	X
MATH 3053	ABSTRACT ALGEBRA	X	X		X	X		X	X		X	X		X	X	
MATH 3063	LINEAR ALGEBRA	X			X			X			X			X		
MATH 3073	MATRIX METHODS		X	X		X	X		X	X		X	X		X	X
MATH 3083	ELEMENTARY NUMBER THEORY		X			X	X		X			X	X		X	
MATH 3104	CALCULUS III	X		X	X		X	X		X	X		X	X		X
MATH 3123	DIFFERENTIAL EQUATIONS		X			X			X			X			X	
MATH 4003	MATH CONCEPTS IN EDUC SETTING		X			X			X			X			X	
MATH 4013	PROBABILITY & STATISTICS	X		X	X		X	X		X	X		X	X		X
MATH 4203	PROB SOLVING IN MATH CLASS		X	X		X	X		X	X		X	X		X	X
MATH 4303	ALGEBRA IN MATH CLASS	X		X				X		X				X		X
MATH 4313	GEOMETRY IN MATH CLASS				X		X				X		X			
MATH 4873	REAL ANALYSIS		X			X			X			X			X	
MATH 5033	ADVANCED CALCULUS				X						X					
MATH 5203	PROB SOLVING IN MATH CLASS		X	X		X	X		X	X		X	X		X	X
MATH 5303	ALGEBRA IN MATH CLASS	X		X				X		X				X		X
MATH 5313	GEOMETRY IN MATH CLASS				X		X				X		X			
MATH 5323	EUCLIDEAN GEOMETRY					X						X				
MATH 5333	TECHNOLOGY IN THE MATH CLASS			X			X			X			X			X
MATH 5423	HISTORY OF MATHEMATICS			X		X				X		X				X
MATH 5483	PROBABILITY & STATISTICS I	X		X			X	X		X	X		X	X		X
MATH 5493	PROBABILITY & STATISTICS II		X						X						X	
MATH 5513	MATRIX ALGEBRA		X	X		X	X		X	X		X	X		X	X

COURSE		18/FA	19/SP	19/SU	19/FA	20/SP	20/SU	20/FA	21/SP	21/SU	21/FA	22/SP	22/SU	22/FA	23/SP	23/SU
MATH 5523	INTRO TO NUMBER THEORY							X						X		
MATH 5543	SYMBOLIC LOGIC		X		X	X			X			X			X	
MATH 5573	STATISTICAL METHODS I		X			X			X			X			X	
MATH 5583	STATISTICAL METHODS II			X			X			X			X			X
MATH 5593	DIFFERENTIAL EQUATIONS			X						X						X
MATH 5833	COMPUTER-AIDED MODELING		X						X						X	
MATH 5863	APPLIED STATS & CONVEX OPTIM					X						X			X	
MATH 5873	REAL ANALYSIS & TOPOLOGY			X			X			X			X			X
MATH 5883	ALGEBRAIC GEOMETRY		X						X						X	