

Academic Pathways Map

Cloud DevOps

A.A.S.

Computer Science and Technology

Start Here

SEMESTER 1		CREDITS	MILESTONE	✓
CSCI100	INTRODUCTION TO PROGRAMMING	3	*	
CSCI194	CT SEMINAR	2		
ITS164	NETWORKING FUNDAMENTALS	3		
M115	PROBABILITY AND LINEAR MATHEMATICS	3		
WRIT121	INTRODUCTION TO TECHNICAL WRITING	3		

TOTAL CREDITS 14

SEMESTER 2		CREDITS	MILESTONE	✓
CSCI111	PROGRAMMING WITH JAVA I	3	*	
CSCI240	DATABASES AND SQL	3		
ITS279	CLOUD SYSTEMS	3		
ITS224	INTRODUCTION TO LINUX	3		
ITS165	INTRODUCTION TO OPERATING SYSTEMS AND THE COMMAND LINE	3		

TOTAL CREDITS 15

SEMESTER 3		CREDITS	MILESTONE	✓
ITS222	ENTERPRISE SECURITY	3		
CSCI121	PROGRAMMING WITH JAVA II	3		
ITS233	INTRODUCTION TO DEVOPS	3		
CSCI276	APPLICATION SECURITY	3		
CSCI245	MODERN DATABASE SYSTEMS	3		
ITS211	CLOUD NETWORKS AND STORAGE	3		

TOTAL CREDITS 18

SEMESTER 4		CREDITS	MILESTONE	✓
Choose 1 of 2	CSCI292, CSCI298	2		
ACTG101	ACCOUNTING PROCEDURES I	3		
ITS276	DEVELOPMENT OF DEVOPS: PLAN, DEVELOP, BUILD, TEST, AND SECURE	3	*	
ITS286	OPERATIONS OF DEVOPS: RELEASE, DEPLOY, OPERATE, MONITOR, AND SECURE	3	*	
CSCI299	SENIOR CAPSTONE	2		
ITS289	PROFESSIONAL CERTIFICATION	1		
COMX115	INTRODUCTION TO INTERPERSONAL COMMUNICATION	3		

TOTAL CREDITS 17

Academic Year 2023 - 2024



Pathway Advising Notes: The AAS and CAS options have a common first semester, so students can seamlessly switch between options after the first term. Only one course is different in the second term from the Software Development.

Course Advising Notes: ACTG101: Should be ITS216