

## 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		
ITS216	Network Operating System -Directory Services	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

**You are finished!**



**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:** CSCI100: If student has extensive previous programming experience, advise student to see instructor to challenge course.