HELENA COLLEGE
UNIVERSITY OF MONTANA

Academic Pathways Map
Software Development
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		
MART145	Web Design	3		
ITS224	Introduction to Linux	3		
ITS165	Introduction to Operating Systems and the Command Line	3		
	TOTAL CREDITS	15		

SEMESTER 3		CREDITS	MILESTONE	✓
CSCI221	Systems Analysis and Design	3		
CSCI121	Programming with Java II	3	*	
CSCI211	Client Side Web Development	3		
CSCI276	Application Security	3		
CSCI245	Modern Database Systems	3		
Choose 1 of 2	CSCI292, CSCI298	2		
	TOTAL CREDITS	17		

SEMESTER 4		CREDITS	MILESTONE	✓
CSCI206	.NET Applications	4		
CSCI257	Web Services	3		
ITS279	Cloud Systems	3		
ITS221	Project Management	3		
CSCI299	Senior Capstone	2		
COMX115	Introduction to Interpersonal Communication	3		
	TOTAL CREDITS	18		

You are finished!

Pathway Advising Notes: none

Course Advising Notes: none