Associate of Science Transfer (AST) – Computer Science

About the Program

A Major Transfer Map Curriculum and Articulation Policy (MTM CAP) is for students transferring from an Oregon community college to an Oregon university who know which major/bachelor's degree program they want to pursue. The MTM CAPs identify the optimal and specific set of lower division courses students must take to transfer efficiently into the major at the university. The successful completion of map courses allows students to receive the number of academic credits referenced in this MTM CAP, and comparable standing to the status of students with the same number of academic credits in the major course of study who began their postsecondary studies at the public university. MTM CAPs must include at least 30-credits of general education defined by the Core Transfer Map (CTM). MTM CAPs may choose to specify relevant or required General Education courses as part of the 30-credit CTM component of the MTM CAP. Receiving institutions will not require students to retake a course if the minimum grade requirements, specified in this agreement, have been met.

Program Learning Outcomes

- Develop software using both structured and object-oriented paradigms that meets the requirements of a written specification.
- Explain the software development lifecycle and the specific tools and processes used to create software.
- Design, analyze, and implement algorithms to solve computational problems using various data structures as problem-solving tools. These data structures must include arrays, stacks, queues, linked lists, trees, and hash tables.

TOTAL PROGRAM CREDITS   90

Program email address: ComputerScienceInfo@roguecc.edu

CORE TRANSFER REQUIREMENTS – MTM-CS		
See an advisor for recommended courses before your first term		
Writing		
1 course	WR121Z	4
Arts & Letters		
1st course:	Select from AAOT course list	3-4
2nd course:	Select from AAOT course list	3-4
Social Sciences		
1st course	Select from AAOT course list	3-4
2nd course	Select from AAOT course list	3-4

Natural Sciences		

2 courses	Select two lab science courses; this selection should occur after deciding between OSU/PSU/UO and EOU/SOU/WOU clusters
	 ● OSU/PSU/UO: the first TWO courses from ONE of the following sequences, together with the associated lab course sections:
	  a. PH201, PH202, PH203 (General Physics)
	  b. PH211, PH212, PH213 (General Physics with calculus)
	  c. CH221, CH222, CH223 (Chemistry)
	  d. CH221, BI211, BI212 (Chemistry and Biology)
	  e. BI211, BI212, BI213 (Biology)
	  f. G201, G202, G203 (Geology)
	 ● EOU/SOU/WOU: any two lab science courses
		8-10

Mathematics		
2 courses	Select from MTH 111Z, MTH 112Z, MTH 251, MTH 252	8
At least 1 Core Transfer Requirement course must also satisfy Cultural Literacy outcomes for AAOT		
Core Transfer Requirement Total		***31-38***

ADDITIONAL GENERAL EDUCATION COURSES				
See an advisor for recommended courses				
	EOU/SOU/WOU cluster		OSU/PSU/UO cluster	
Writing	WR122Z	4	WR227Z	4
Oral Communication	COMM111Z	4	COMM111Z	4

Major specific COMPUTER SCIENCE COURSES				
See an advisor for recommended courses				
Computer Science	CS160, CS161, CS162, CS260	16	CS160, CS161, CS162, CS260	16
			CS205	4
Mathematics	MTH251/252 (if not completed as part of the Core Transfer Map)	8	MTH251/252 (if not completed as part of the Core Transfer Map)	8
Discrete Math	-	-	MTH231/232 OR CS250/251	8
Natural Sciences	-	-	Complete sequence done under CTM (the third class listed for each sequence)	4-5
Additional MTM Courses Total		30-32		46-49
[Major specific course] Total				
Electives	Elective courses to 90 credits	20-29	Elective courses to 90 credits	3-13
MTM Total				**90**

For more information, contact the Computer Science Department:

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Web address...www.roguecc.edu/computerscience

TTY ....Oregon Telecom Relay Service, 711

https://www.oregon.gov/highered/about/transfer/Documents/Transfer-Resources/Transfer%20MOUs/MTM-CAP%20in%20Computer%20Science-2024.pdf