

MINOR IN COMPUTER SCIENCE**20 credits****Required Courses:**

CSIS	1100 or 2226*	Computer Science: An Overview - OR - Foundations of Computer Science (requires MATH 2225)	(4)
CSIS	2101	Programming & Problem Solving I	(4)
CSIS	2102	Programming & Problem Solving II	(4)

Elective Courses: choose 2 from the following courses:

CSIS	3103	Data Structures and Algorithms I (requires MATH 2225)	8 total credits
CSIS	3222	Database Systems (requires MATH 2225)	
CSIS	3230	Computer Networking Principles (requires MATH 2225)	
CSIS	3250	Computer Organization	
CSIS	3381	Info. Assurance & Security (requires MATH 2225)	
CSIS	4104	Data Structures & Algorithms II	
CSIS	4105	Knowledge Discovery and Data Mining	
CSIS	4135	Web Application Engineering	
CSIS	4251	Operating Systems	
CSIS	4463	Artificial Intelligence	
CSIS	4469	Computer Architecture	
CSIS	4481	Cryptography and Data Security	
CSIS	4485	Software & Security Engineering	
CSIS	4510	Topics in Computer Science	

* A third elective course may be substituted for CSIS 1100 or 2226

Elective courses may require other courses further up on the elective list as pre-requisites.

Rev. 6/20/2018