COMPUTATIONAL SCIENCE GRADUATE MINOR

Minor Requirements

Requirements listed here are in addition to requirements for minors in Graduate Council policy GCAC-218 Minors (https://gradschool.psu.edu/graduate-education-policies/gcac/gcac-200/gcac-218-minors).

The minor offers an opportunity for students in all colleges and majors to pursue a focused set of courses that emphasize computational science. The minor requires 9 credits in computational science courses for a master's degree and 15 credits for a doctoral minor.

Code	Title	Credits
Required Courses		
Select at least one of the following courses to meet the computing requirement for the minor.[1]		3
AERSP 424	Advanced Computer Programming	
CMPSC 450	Concurrent Scientific Programming	
CSE 557	Concurrent Matrix Computation	
Select at least one of the following courses to meet the applied math requirement for the minor.[1]		3
MATH 523	Numerical Analysis I	
MATH/CSE 550	Numerical Linear Algebra	
STAT 500	Applied Statistics	
STAT 511	Regression Analysis and Modeling	
STAT 557	Data Mining I	
IST 557	Data Mining: Techniques and Applications	
Select additional credits from a list of approved courses[2]		3-9
Total Credits		**9-15**

1 See additional course options for this requirement on the graduate minor program website: https://sites.psu.edu/csci/minor-approved-courses/

2 The additional credits will be chosen from a list of approved courses maintained by the graduate minor program.