COMPUTATIONAL ENGINEERING-UNDERGRADUATE MINOR

The minor in Computational Engineering is designed to provide students with a concentration in the broad spectrum of computations in engineering, including experience with an object-oriented programming language, a background in computational math techniques, and a number of courses that develop or apply engineering software across a broad base of engineering design problems.

Electives must be taken from the list maintained on the Computational Engineering minor webpage (https://chme.nmsu.edu/academics/minors/computational-engineering/)

Prefix	Title	Credits
CHME 392	Numerical Methods in Engineering	3
or M E 261	Numerical Methods	
Choose one from the following:		3
I E 311	Engineering Data Analysis	
STAT 3110	Statistics for Engineers and Scientists	
Choose one from the following:		3
CSCI 1240	C++ Programming I	
CSCI 1220	Computer Programming Fundamentals: Python	
CSCI 1210	Java Programming	
CSCI 1235	R Programming I	
ENGR 140	Introduction to Programming and Embedded Systems	
ICT 152	Java Programming	
An equivalent pre-approved object-oriented programming course		
Electives		9
Total Credits		**18**