APPLIED COMPUTER PROGRAMMING (APCP), MINOR

Requirements for Students Matriculating in or before Academic Year 2024-2025. Learn more about University Academic Regulation 3.1 (http://catalog.okstate.edu/university-academic-regulations/#matriculation).

Minimum grade and/or GPA: Minimum grade of "C" and 2.0 GPA.
Total Hours: 18

Code	Title	Hours
Required Courses		
CS 1113	Computer Science I (A) [1]	3
MATH 1513	College Algebra (A) (or higher) [1]	3
Select six hours from CS courses (except CS 1003 and CS 4883).		6
Select six hours from the following:		6
CS courses, except CS 1003 and CS 4883		
ENGR 1412	Introductory Engineering Computer Programming	
MSIS 2103	Business Data Science Technologies	
MSIS 2203	Computer Programming for Business	
MSIS 3103	End User Database Systems Design and Management	
MSIS 3163	Web Design Essentials	
MSIS 3203	Advanced Computer Programming for Business	
MSIS 3333	Database Systems Development	
MSIS 3393	Advanced Spreadsheet Modeling and Programming	
MSIS 4713	Scripting Essentials	
Total Hours		**18**

[1]

College Algebra is a prerequisite to CS 1113.

Additional OSU Requirements

Undergraduate Minors

- An undergraduate minor must include between fifteen and thirty hours, inclusive of undergraduate coursework.
- A minimum of six credit hours for the minor must be earned in residence at OSU.
- The courses required for a minor may be included in the course requirements for any undergraduate degree or they may be in addition to degree requirements, depending on the overlap between the minor and degree requirements. However, an undergraduate minor must be earned in an academic field other than the student's declared degree option. The minor may not duplicate the degree major or option (for example, a student who earns a BA in Art with an Art History option may earn a minor in Studio Art but not Art History).
- A student generally follows the minor requirements associated with his or her matriculation year or newer requirements that have been established since matriculation. The time limit for following requirements from a given academic year is six years.

For additional information on requirements on minors, click here (https://adminfinance.okstate.edu/site-files/documents/policies/requirements-for-undergraduate-and-graduate-minors.pdf).