APPLIED COMPUTER PROGRAMMING (APCP), MINOR

Requirements for Students Matriculating in or before Academic Year 2022-2023. 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

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

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).