Computer Science is a discipline concerned with the analysis, design, implementation, maintenance and evolution of computer-based systems used in almost all walks of life. The Minor in Computer Science is intended for those pursuing other undergraduate degree programs and who feel the need to pursue Computer Science to complement their other studies. Regardless of their discipline, undergraduates find a knowledge of Computer Science to be helpful in today’s world. This minor is not a “computer literacy” program; all the courses are the same ones taken by Computer Science majors.

Students requesting a Computer Science Minor must have completed CS112 or CS211 with a grade of B or better.

Requirements:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 112</td>
<td>4</td>
<td>Introduction to Computer Programming</td>
</tr>
<tr>
<td>CS 211</td>
<td>3</td>
<td>Object-Oriented Programming</td>
</tr>
<tr>
<td>CS 310</td>
<td>3</td>
<td>Data Structures</td>
</tr>
</tbody>
</table>

And three courses chosen from:

- CS 222 Computer Programming for Engineers or CS 262 Introduction to Low-Level Programming
- CS 306 Synthesis of Ethics & Law
- CS 321 Software Engineering
- CS 325 Computer Game Design
- CS 330 Formal Methods and Models
- CS 332 Object-Oriented Software Design & Impl.
- CS 367 Computer Systems and Programming
- CS 463 Comparative Programming Languages
- CS 450 Database Concepts
- CS 451 Computer Graphics
- CS 455 Computer Comm & Networking
- CS 465 Computer Systems Architecture
- CS 468 Secure Programming and Systems
- CS 471 Operating Systems
- CS 480 Artificial Intelligence
- CS 483 Analysis of Algorithms
- CS 484 Data Mining

This totals 19-20 credits. Students should pay careful attention to prerequisites when selecting courses and be aware that at least 4 semesters are needed to complete the Minor.

University requirements state that at least 6 hours must be completed at George Mason University. No more than 3 hours of “D” in the minor is accepted. University requirements also state that at least 8 hours used towards the minor may not be used towards the student’s major requirements.

We invite requests for additional information. Please contact:

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Volgenau School of Engineering
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