MINOR IN COMPUTER SCIENCE

The minor in computer science is for students in other GW schools as well as other majors within the School of Engineering and Applied Science. The curriculum consists of two segments: core courses and electives whose purpose is to provide the student with depth in an area of computer science. 18 credits are required for the minor.

Visit the program website (https://www.cs.seas.gwu.edu/minor-computer-science/) for additional information.

ADMISSION

Visit the School of Engineering and Applied Science (https://www.cs.seas.gwu.edu/admission-computer-science-second-major-or-minor/) website for minor in computer science admission criteria.

REQUIREMENTS

The following requirements must be fulfilled: 18 credits, including 12 credits in required courses and 6 credits in elective courses. At least 15 of these credits must be in computer science courses completed at GW.

Graduation grade-point average criteria—To satisfactorily complete a minor in computer science, a student must have a minimum grade-point average of 2.2 in all the computer science courses.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Required</td>
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<tr>
<td>CSCI 1111</td>
<td>Introduction to Software Development</td>
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<tr>
<td>CSCI 1112</td>
<td>Algorithms and Data Structures</td>
<td></td>
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<tr>
<td>CSCI 1311</td>
<td>Discrete Structures I</td>
<td></td>
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<tr>
<td>CSCI 2113</td>
<td>Software Engineering</td>
<td></td>
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<td>Electives</td>
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A minimum of two CSCI elective courses requiring CSCI 2113 or above as a prerequisite; CSCI 2441, CSCI 2441W, CSCI 2460, CSCI 6561 and CSCI 6562 are the only exceptions to the prerequisite rule. Possible courses include:

- CSCI 2441 Database Systems and Team Projects
- CSCI 2441W Database Systems and Team Projects
- CSCI 2460 Introduction to Computer Systems
- CSCI 4331 Cryptography
- CSCI 4341 Continuous Algorithms
- CSCI 4342 Computational Linear Algebra and Applications
- CSCI 4364 Machine Learning
- CSCI 4431 Computer Networks I
- CSCI 4431W Computer Networks I
- CSCI 4454 Augmented and Virtual Reality
- CSCI 4531 Computer Security
- CSCI 4541 Network Security
- CSCI 4554 Computer Graphics I
- CSCI 4561 Design of User-Interface Programs
- CSCI 6561 Design of Human-Computer Interface
- CSCI 6562 Design of Interactive Multimedia

Other electives may be substituted with the approval of the program advisor. Students who switch from a CS (BS) major to a minor may use one or two of CSCI 2410, CSCI 2461 and CSCI 2541W towards the minor elective requirements.