

# SOFTWARE DEVELOPMENT AND ENGINEERING CERTIFICATE

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**Campus:** Online

The need continues for software developers who are knowledgeable and well prepared to meet the challenges of modern software development. Those unable to complete a full graduate program in software development and engineering may wish to elect the Advanced Certificate in Software Development and Engineering. The Computer Science Department has designed a four-course sequence to teach students the fundamentals of the software development and engineering process.

## Certificate Requirements

Code	Title	Credits
<b>Course Requirements</b>		
SE 673	Software Design Methodologies	4
SE 675	Requirements Engineering	3
SE 677	Software Reliability & Quality Assurance	3
SE 000	Software Engineering-Two Electives	3
<b>Total Credits</b>		<b>13</b>

For those students with advanced preparation, other courses from the MS program may be substituted with the permission of the chair. Any student who wishes to pursue an MS in Software Development and Engineering after completing the certificate requirements will be sufficiently prepared to matriculate in the program, provided all other admission requirements are satisfied.

Gainful Employment Disclosure for students in an approved non-degree certificate program.