By earning the Software Engineering Certification, you will learn Software Engineering Institute standards to satisfy end-user functionality performance needs and address lifetime costs. This certification program offers five online courses using the Ira A. Fulton Schools of Engineering’s streaming video delivery system, including the capstone experience, to demonstrate the expertise of the students. The focus of this certification is not at the programming level, rather at the managerial level of how to successfully develop new software systems.

**Software Engineering Certification**

During the W. P. Carey MBA, you will take five courses in a lock-step (sequential) format as outlined below. These courses are applicable to the MEng degree and also make up your MBA elective requirements. Each semester, the Schools of Engineering will determine which classes you will register for.

<table>
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<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
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<tbody>
<tr>
<td>Year One</td>
<td>CSE 591 – Software Engineering Principles</td>
<td>CSE 566 – Software Project, Process and Quality Management</td>
<td>CSE 598 – Distributed Software Development</td>
</tr>
<tr>
<td>Year Two</td>
<td>CSE 565 – Software Verification and Validation</td>
<td>CSE 593 – Software Applied Project</td>
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</table>

Review the most current list of courses offered through the Ira A. Fulton Schools of Engineering. Your MBA electives coordinator will discuss upcoming classes for your schedule prior to each semester.

**Certification Admissions Process**

Once admitted to the program, you should be contacted by the Schools of Engineering with information about your faculty advisor. If you do not hear from them by the start of your program, please contact your MBA electives coordinator. Several weeks before each semester your MBA electives coordinator will let you know when to register for your next certificate course. Courses may vary and are determined by the Fulton Schools of Engineering.

Your electives coordinator will also let you know which materials are required and available in the ASU Bookstore, if any. Material costs are included in your W. P. Carey MBA program fees, so you will not incur out-of-pocket costs for materials.

**More Information**

Octavio Heredia  
Global Outreach and Extended Education  
Ira A. Fulton Schools of Engineering  
(480) 965-9273  
Octavio.Heredia@asu.edu
MBA/MEng Concurrent Degree

Once you have completed the five certification courses, only nine additional credit hours are required (three classes) to complete an MEng and receive a concurrent degree from ASU, working directly with the Schools of Engineering to satisfy additional requirements.

Course options may include:

- CSE 598: Software Analysis and Design
- CSE 543: Information Assurance and Security
- IEE 572: Design of Experiments (math requirement)
- FSE 598 Engineering Entrepreneurship
- CSE 564 Software Design
- CSE 563 Software Requirements
- CSE 591 Real-Time Embedded Systems
- CSE 561 Modeling & Simulation Theory and Application

Courses are subject to availability and may not be offered each semester. Discuss your schedule with your Engineering faculty advisor to determine the best courses.

Program Costs

Please contact your admissions advisor to review current tuition and fees associated with certification courses and the MBA/MEng concurrent degree.