Systems Engineering Certification

Why Systems Engineering?

Through the completion of the Systems Engineering Certification, students will understand how to define customer needs early in the development cycle; document requirements and proceed with design synthesis and system validation, while considering the complete problem. This specialized certificate consists of four online courses and a capstone experience offered by the department of industrial engineering at the Ira A. Fulton School of Engineering.

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<th>Fall Year One</th>
<th>Spring- Year One</th>
<th>Summer- Year One</th>
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<tr>
<td>IEE 598 – Intro to Systems Engineering</td>
<td>IEE 530 Enterprise Modeling</td>
<td>IEE 552 Strategic Technology Planning</td>
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<th>Fall- Year Two</th>
<th>Spring- Year Two</th>
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<td>IEE 545 – Simulation Stochastic Process</td>
<td>IEE 593 – Systems Applied Project</td>
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*As these courses are offered through the Ira A. Fulton School of Engineering, please visit the Systems Engineering Graduate certificate web site for the most current list of applicable classes. Your MBA Electives Coordinator will notify you before each semester as to what class you will register for.*

Processes for Students

- Several weeks before each semester- remembering that these courses operate on a semester, rather than trimester basis- you will receive an e-mail from the MBA Electives Coordinator letting you know when it is time to register for your next certificate course, and also providing the course information.
  - The courses that are offered each semester may vary and are determined by the Fulton School of Engineering so you will need that e-mail to know which class to register for.
- Once you have registered for the course and receive the course syllabus, please order the materials indicated in the syllabus via the Bookstore online.
  - Material costs are included in your W. P. Carey MBA program fees, so you do not incur out-of-pocket costs for materials. Your MBA Program Manager will provide a code for you to order.
  - The MBA program only orders required texts. Any optional or reference texts are your responsibility.

For technical questions about certificate courses or to understand the offerings a little more in depth, please contact the School of Engineering directly:

**Octavio Heredia**
Global Outreach and Extended Education
Ira A. Fulton School of Engineering

**Amy Wolsey**
Global Outreach and Extended Education
Ira A. Fulton School of Engineering
Costs for the Program

Generally speaking, you pay the same per class for the technical certificate program courses as you would for “regular” MBA electives. The one major difference, however, is that you will need to take a summer course in the lock-step program and those cost a bit more.

As you may know, you pay two sets of costs for courses: (1) W. P. Carey fees/tuition & (2) ASU fees/tuition. ASU Graduate tuition caps at 7 credit hours and you are registered for 9 hours of core each semester. So, when you take electives in fall/spring you only pay W. P. Carey tuition/fees: $625/credit hour is the W. P. Carey tuition/fee, hence each elective costs $1875 in fall/spring. In the summer, however, you are not registered for core classes and are thus subject to paying the ASU tuition as well as the W.P. Carey tuition. Please visit the ASU Tuition and Fees Schedule to calculate ASU Graduate summer tuition.