**CMPE - MS**  
**Selected Curriculum for**  
**Interest in Embedded and Real-Time Systems**  
**Advising Sheet**

Computer Engineering master's students are required to take one course from each of the four groups listed below.

<table>
<thead>
<tr>
<th>Group “A”</th>
<th>Group “B”</th>
<th>Group “C”</th>
<th>Group “D”</th>
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</thead>
<tbody>
<tr>
<td>☐ CSCE 5510 Wireless Communications</td>
<td>☐ CSCE 5160 Parallel Processing and Algorithms</td>
<td>☐ CSCE 5440 Real-Time Software Development</td>
<td>☐ CSCE 5730 Digital CMOS VLSI Design</td>
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<tr>
<td>☐ CSCE 5520 Wireless Networks and Protocols</td>
<td>☐ CSCE 5610 Computer System Architecture</td>
<td>☐ CSCE 5612 (5933) Embedded Hardware &amp; Software Design</td>
<td>☐ CSCE 5740 Topics in Modern Electronic System Design</td>
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</tbody>
</table>

**Suggested Courses:**

- ☐ CSCE 5160 Parallel Processing and Algorithms 3 sch
- ☐ CSCE 5440 Real-Time Software Development 3 sch
- ☐ CSCE 5510 Wireless Communications 3 sch
- ☐ CSCE 5520 Wireless Networks and Protocols 3 sch
- ☐ CSCE 5580 Computer Networks 3 sch
- ☐ CSCE 5610 Computer System Architecture 3 sch
- ☐ CSCE 5612 (5933) Embedded Hardware and Software Design 3 sch
- ☐ CSCE 5615 (5933) Networks-on-Chip 3 sch
- ☐ CSCE 5620 Real-Time Operating System 3 sch
- ☐ CSCE 5640 Operating System Design 3 sch
- ☐ CSCE 5730 Digital CMOS VLSI Design 3 sch
- ☐ CSCE 5760 Design for Fault Tolerance 3 sch
- ☐ CSCE 6620 Adv. Topics in Real-Time Operating Systems 3 sch

**Major Professors Comments/Suggestions:**

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- For MS with thesis, the total number of hours required is 30.
- For MS without thesis, the total number of hours required is 36.
- To continue in good standing, a student must maintain a 3.0 GPA overall.
- Maximum of one CSCE 5934 Directed Study and/or CSCE 5900-5930 Special Problems course is permitted and the CSCE 5932 Internship course may not be included on the degree plan.