<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name and Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS4220</td>
<td>CURRENT TRENDS IN WEB DESIGN AND DEVELOPMENT (Register for Section 2; Section 1 and Section 3 are closed)</td>
</tr>
<tr>
<td>CS4471</td>
<td>COMPUTER NETWORKS CONFIGURATION AND MANAGEMENT (Register for Section 2 or Section 3; Section 1 is closed)</td>
</tr>
<tr>
<td>CS4540</td>
<td>Section 1: TOPICS IN ADVANCED COMPUTER SCIENCE – Functional Programming (Prerequisite: CS3112 and CS3035 with grades of “B” or better) (Email Dr. Kang or Dr. Pamula for permits to this restricted section)</td>
</tr>
<tr>
<td></td>
<td>Section 2, Section 3: TOPICS IN ADVANCED COMPUTER SCIENCE - Robotics (Prerequisites – MATH2550, CS3112, CS3186, CS3220) Email Richard Cross for permits to these restricted sections</td>
</tr>
<tr>
<td>CS4551</td>
<td>MULTIMEDIA SOFTWARE SYSTEMS (Register for Section 2; Section 1 is closed) (Depending on enrollment, both sections could be combined into Section 2)</td>
</tr>
<tr>
<td>CS 4662</td>
<td>Advanced Machine Learning (Prerequisite – CS4661)</td>
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Note: Graduating Seniors can request to take one CS5000 level course as an elective from the list below. You would need prior permission from the course instructor and program advisor.

- CS5440: Advanced Operating Systems (Prerequisite: CS4440)
- CS5540 Section 2, Section 3: Advanced Database (Prerequisite: CS4222)
- CS5780: Advanced information security (Prerequisite: CS4780)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Prerequisite</th>
<th>Sections Offered</th>
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<tbody>
<tr>
<td>CS4220</td>
<td>CURRENT TRENDS IN WEB DESIGN AND DEVELOPMENT (Prerequisite – CS3220)</td>
<td></td>
<td>(Section 2 only; Section 1 is Closed)</td>
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<tr>
<td>CS 4471</td>
<td>COMPUTER NETWORKS CONFIGURATION AND MANAGEMENT (Prerequisite – CS3112)</td>
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<td>(Section 2 and Section 3 only; Section 1 is Closed)</td>
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<tr>
<td>CS4540</td>
<td>TOPICS IN ADVANCED COMPUTER SCIENCE - Robotics (Prerequisite – CS3112)</td>
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<td>(Section 3 only)</td>
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<tr>
<td>CS 5112</td>
<td>DESIGN AND ANALYSIS OF ALGORITHMS (Prerequisite – CS3112)</td>
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<tr>
<td>CS 5440</td>
<td>Advanced Operating Systems (Prerequisite – G2 standing)</td>
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</tr>
<tr>
<td>CS 5540</td>
<td>GRADUATE TOPICS IN COMPUTER SCIENCE (Prerequisite – CS3112)</td>
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<tr>
<td>CS 5561</td>
<td>TOPICS IN DATA SCIENCE (Prerequisite – CS4661)</td>
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<tr>
<td>CS 5780</td>
<td>Advanced information security (Prerequisite – CS4780)</td>
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