CSCE 390 - Professional Issues in Computer Science and Engineering
Credit Hours: 1 hours
Contact Hours: 1 lecture hour
Instructor: Drs. Valtorta and Thatcher


Bulletin Description: Professional issues in the information technology professions; history and social context of computing; professional responsibilities; privacy; intellectual property; risks and liabilities of computer-based systems. Note: Carolina Core: VSR

Prerequisites: none

Required Course in CE, CIS, and CS programs

Learning Outcomes: Students will be able to:
1. Relate computing issues to philosophical systems and ethics
2. Resolve ethical dilemmas in the field of computing
3. Apply professional codes of conduct to realistic situations
4. Demonstrate familiarity with current social and ethical issues related to computing
5. Investigate different professional career paths and the lifelong learning involved
6. Present results and opinions on ethical and professional issues in written and oral formats

Student (Program) Outcomes addressed by course (Detailed mappings of these course outcomes to the Student Outcomes of the programs are in the detailed syllabus and the Assessment plan.)

<table>
<thead>
<tr>
<th>Student Program Outcomes</th>
<th>SOs supported</th>
<th>SOs Moderately supported</th>
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<tbody>
<tr>
<td>Computer Engineering</td>
<td>f, g, i,</td>
<td>j</td>
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<tr>
<td>Computer Information Systems</td>
<td>e, f, g, h</td>
<td>IS-j</td>
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<tr>
<td>Computer Science</td>
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Topics covered:
1. Social role of computing (2)
2. Professional codes of conduct (1)
3. Privacy and civil liberties (3)
4. Intellectual property (3)
5. Risks and liabilities (3)
6. Professional organizations (1)
7. Career options (1)