B.S.CP.E. - COMPUTER ENGINEERING PRE-MED OPTION

The ECE Department offers a pre-medical option that provides motivated students with the opportunity to gain the benefits of a rigorous education inherent in a bachelors degree in computer engineering while simultaneously completing the basic science requirements necessary for applying to medical or dental school. Much of the excitement in engineering involves applications of electrical and computer engineering to problems in health, such as the development of nano-scale biosensors, or the signal processing analysis of DNA sequences or the development and/or use of new hardware and software tools to better serve both medical professionals and patients. With the rapid advancement and application of technology in the medical field, the pre-med option ensures that students learn and understand the fundamentals of Electrical and Computer Engineering while preparing them for entry into either medical school, advanced graduate study, or industry.

Curriculum Requirements

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<tr>
<th>Code</th>
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<td>Processors: Hardware, Software, And Interfacing</td>
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<td>ECE 218</td>
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Suggested Plan of Study

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General Education Credit hours 24
Total Credit Hours 138
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**Spring**

| Credit Hours | 19 |

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**Senior Year**

| Credit Hours | 15 |

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| Credit Hours | 17 |

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1. See description of electives under the Departmental Electives Section.
2. CE Core Elective is selected from ECE 302, ECE 454/ECE 455, ECE 412
3. Advanced Bioscience Elective is to be chosen from BMB 260, BIL 250, BIL 255, BIL 268, or BMB 401, in consultation with their academic advisor. Students should verify admission requirements of their medical school of interest to verify Adv. Bioscience requirements.
4. Students in the Premed Concentration are highly encouraged to choose cognates that include PSY 110 and SOC 101

Total Credit Hours 138