**COMMON CORE:** 17 Credits
- Analytical Reading/Writing WRT102 ______
- Academic Writing WRT202 ______
- Human Communication CM104 ______
- Information Literacy IFL101 ______
- Calculus I MAT171 ______
- Physical Education (2 hrs.) ______

**AREA DISTR. REQUIREMENTS:** 6 Credits
- I. Fine Arts & Humanities ______
- II. Social & Behav. Sciences ______
- III. Laboratory Sciences ______
- SATISFIED BY MAJOR REQUIREMENTS ______
- V. Int'l. St./Foreign Lang. 6 Credits ______

**REQUIRED MAJOR COURSES:** 90 Credits
- Fund. of Computer Science I CS101 ______
- Fund. of Computer Science II CS201 ______
- D/A Digital Circuits ECE220 ______
- Computations/Dis. Math ECE235 ______
- Fund. of Computer Engineering ECE260 ______
- Waves & Optics ECE270 ______
- Fund. Electrical Engineering ECE280 ______
- D/A Analog Circuits ECE310 ______
- Intro to Signal Processing ECE332 ______
- Random Signals ECE340 ______
- Electromagnetic Fields ECE360 ______
- Capstone Design I ECE400 ______
- Capstone Design II ECE402 ______
- EPADS I EGR100 ______
- EPADS II EGR102 ______
- Career Training Prep. EGR290 ______
- Mathematical Methods EGR240 ______
- Sys Modeling/Analysis EGR342 ______
- Engineering Physics/Mech PHY160 ______
- Engineering Physics/E&M PHY260 ______

**REQUIRED ELECTIVES:** 12 Credits
- General Chemistry I CHM134 ______
- Calculus II MAT172 ______
- Differential Equations MAT272 ______

**ENGINEERING CO-OP:** (6 Credits)
- Co-op I EGR491 ______
- Co-op II EGR492 ______
- Co-op III EGR493 ______

Plus **TWO** of the following two-course sequences: (12 credits)
- ECE360 and ECE410 ______
- ECE370 and ECE420 ______
- ECE380 and ECE430 ______
- EGR392 and EGR442 ______

Plus **THREE** of the following Engineering Electives: (9 Credits)
- (CS320, 340, 350, 360, 370, 420; ECE360, 370, 380, 410, 420, 430, 450, 454, 470, 472, 474, 476, 478, 480, 492; EGR392, 442, 446, 490; ME250, 260/261, 320) ______

**NOTES:**

- All courses must be completed with a minimum "2.0" grade. Courses may not be taken on a pass/fail basis.
- A minimum of 12 credits of the Area Distribution Requirements must be at the 200-level or above. Courses may not be taken on a pass/fail basis. See Registrar's Office for official list of courses.
- Six credits are to be taken in one of these two areas; if foreign language is selected, six credits must be in one language.
- Requirements listed apply to students who matriculate into or declare this major during the 2010-2011 academic year.

*(Signed) Faculty Advisor Date*

*(Signed) Dept Chair Date*