**COMMON CORE:** (15 Credits)
- Analytical Reading/Writing WRT102
- Academic Writing WRT202
- Human Communication CM104
- Calculus I MAT171
- Physical Education (2 crs.)

**AREA DISTR. REQUIREMENTS:** (6 Credits)

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<th>I. Fine Arts &amp; Humanities</th>
<th>6 Credits</th>
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<th>II. Social &amp; Behav. Sciences</th>
<th>6 Credits</th>
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<th>III. Laboratory Sciences</th>
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**SATISFIED BY MAJOR REQUIREMENTS**

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<th>IV. Amer./West. Civ., Amer. Govt.</th>
<th>6 Credits</th>
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<th>V. Int’l. Studies/Foreign Lang.</th>
<th>6 Credits</th>
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**REQUIRED ELECTIVES:** (12 Credits)
- General Chemistry I CHM134
- Calculus II MAT172
- Differential Equations MAT272

**REQUIRED MAJOR COURSES:** (89 Credits)
- Fund. of Computer Science I CS101
- Fund. of Computer Science II CS201
- Software Eng. & Design CS320
- Data Structures CS350
- Analysis of Algorithms CS360
- Operating Systems CS420
- Intro Electrical Engineering ECE100
- D/A Digital Circuits ECE220
- Fund. Computer Eng ECE260
- Fund. Electrical Engineering ECE280
- D/A Analog Circuits ECE310
- Intro to Signal Processing ECE332
- Discrete Math/Apps ECE335
- Random Signals ECE340
- Microprocessor Sys Design ECE370
- Communication Networks ECE380
- Capstone Design I ECE400
- Capstone Design II ECE402
- Embedded System Design ECE420
- EPADS I EGR100
- Mathematical Methods EGR240
- Career Training Prep. EGR290
- Engineering Physics/Mech PHY160
- Engineering Physics/E&M PHY260

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

Plus **TWO** of the following Engineering Electives: (6 Credits)
- CS340, 365, 370; ECE350, 360, 410, 430, 450, 454, 470, 472, 474, 476, 478, 480, 482; EGR342, 392, 442, 446, 490; ME250, 260/261, 320; MAT391

**NOTES:**

- A grade of “2.0” or better is required.