### First Semester 15 credits
- **CptS 121 Program Design & Develop** 4
- **Engl 101 Composition [WRTG]** 3
- **Chem 105 (1 year HS chem or Chem 101; Math 106 or c//)** 4
- **Math 171 Calc I [QUAN]** (Prereq Math 107) 4

### Second Semester 15 Credits
- **CptS 122 Data Structures** (Prereq CptS 121) 4
- **Math 172 Calculus II** (prereq Math 171) 4
- **Math 216 Discrete** (Prereq Math 108) 3
- **Phys 201 Engineering Physics** (Math 171) 4

### Third Semester 15 Credits
- **EE 214 Logic Circuits** 4
- **Hist 105 [ROOTS]** 3
- **Math 273 Calculus III** (Prereq Math 172) 2
- **Math 220 Linear Algebra** (Prereq Math 171) 2
- **Phys 202 Engineering Physics** (Math 172) 4

### Fourth Semester 17 Credits
- **EE 261 Electrical Circuits I** (Math 315 or c//, Phys 202) 3
- **EE 262 Electrical Circuits Lab** (EE 261 or c//) 1
- **EE 234 Microprocessors** (CptS 122, EE 214) 4
- **Creative & Professional Arts [ARTS]** 3
- **Math 315 Differential Equations** (Math 273 & 220 or c//) 3
- **CptS 223 Advanced Data Structures** 3

### Fifth Semester 16 Credits
- **EE 311 Electronics** (EE 214, EE 261; C// in EE 352) 3
- **EE 321 Electrical Circuits II** (EE 261) 3
- **EE 324 Fund of Digital Systems** (EE 214) 4
- **EE 352 EE Lab II** (Prereq EE 311, 321, or c//) 3
- **Engl 402/403** (English 101/105) 3

### Sixth Semester 16 Credits
- **EE 334 Computer Architecture** (Prereq EE 234) 3
- **Biological Science [BSCI]** 3
- **Stat 360 Probability & Statistics** (Math 172) 3
- **Engineering Science Elective** 3
- **CptS 360 Systems Program** (CptS 223, 260 or EE234) 4

### Seventh Semester 14 Credits
- **Approved CPT E Technical Elective** 3
- **Senior Design Elective** 3
- **EE 415 Sr Design** (EE 341, 361 or 334 and CptS 360; Eng/402 C//) 2
- **Arts/Hum Elective [HUM]** 3
- **Engl 101 or 102 [SSCI]** 3

### Eighth Semester 15 Credits
- **Approved CPT E Technical Elective** 6
- **Diversity [DIVR]** 3
- **EE 302** 3
- **EE 416 Sr Design II [M] [CAPS]** 3

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1. **Engineering Science Elective**: Choose from EE 331, EE 341, ME 301, MSE 302.
   (Note: If either EE 331 or EE 341 is taken as an engineering science elective, it cannot also count as a technical elective.)

2. **Senior Design Electives** adhere to one of the following sequences:
   - EE 434 and EE 416: ASIC & Digital Systems
   - EE 466 and EE 416: VLSI Design
   - CptS 466 and EE 416: Embedded and Microcomputer Systems

3. Any of the following courses may be chosen to fulfill Technical Elective Requirements:
   - EE 331, 341, 351, 431, 432, 434, 451, 464, 466, 470, 476, 489, 496

CptS 317, 322, 355, 422, 423, 430, 440, 442, 443, 450, 451, 452, 455, 460, 466

One only of Math 325, 340, 364, 415, 421, 440, 441, 448, 453, 464, 466

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**Complete Exit Interview and Survey** 1