

**Electrical and Computer Engineering Department
Computer Engineering Major Curriculum Year:
2013-2014**

*Your department has developed this road plan, taking into account prerequisites and schedule restrictions.
You should pay attention to these concerns when deviating from this plan.*

| Year 1 | Fall | Units | Winter | Units | Spring | Units | Comment |
|-----------------------------|--|-----------|---|-----------|---|-----------|---|
| | CHM 121/L or CHM 115 Major Support | 4 | ECE 114/114L Major Core | 4 | ECE 109/109L Major Core | 4 | <i>Students in this major are expected to maintain a GPA of at least 2.00 in all core courses. MAT 114, PHY 131/131L, CHM 121L, EGR 481, and EGR 482 satisfy both major and general education requirements</i> |
| | MAT 114 GE Area B4 | 4 | MAT 115 Major Support | 4 | MAT 116 Major Support | 4 | |
| | ENG 104 or ENG 103 GE Area A2 | 4 | PHY 131/131L GE Area B1, B3 | 4 | PHY 133/133L Major Support | 4 | |
| | GE Area B2 | 3 | GE Area E Any approved course in area E | 4 | GE Area A1 Any approved course in area A1 | 4 | |
| | | | | | | | |
| | Total Units | 15 | Total Units | 16 | Total Units | 16 | |
| Total Units for Year | | | | | 47 | | |

| Year 2 | Fall | Units | Winter | Units | Spring | Units | Comment |
|-----------------------------|--|--------------------|--|--------------------|---|-------|---------|
| | ECE 204/204L Major Core | 4 | ECE 205/205L Major Core | 4 | ECE 209 Major Core | 3 | |
| | ECE 130 Major Core | 4 | ECE 207 Major Core | 3 | ECE 220 Major Core | 4 | |
| | MAT 224 Major Support | 4 | ECE 256 Major Core | 4 | MAT 215 Major Support | 3 | |
| | PHY 132/132L Major Support | 4 | MAT 214 Major Support | 3 | ECE 207L Major Core | 1 | |
| | GE Area C1 Any approved course in area - C1 | 4 | GE Area C2 Any approved course in area C2 | 4 | GE Area D2 Any approved course in D2 | 4 | |
| | | | | | | | |
| Total Units | 20 | Total Units | 18 | Total Units | 15 | | |
| Total Units for Year | | | | | 53 | | |

| Year 3 | Fall | Units | Winter | Units | Spring | Units | Comment |
|--------|---|-----------|-----------------------------------|-----------|--|-----------|--|
| | ECE 304 Major Core | 4 | ECE 425/L Major Core | 4 | ECE 426/L Major | 4 | <i>Upper division ECE elective units may vary depending on selection of ECE 431/433.</i> |
| | ECE 341/341L Major Core | 4 | ECE 325/325L Major Core | 4 | ECE 315 Major Core | 4 | |
| | ECE 220L Major Core | 1 | ECE 309 Major Core | 4 | ECE 431/431L or ECE 433/433L Major | 4 | |
| | ECE 306 Major Core | 4 | ECE 306L Major Core | 1 | ECE 309L Major Core | 1 | |
| | ECE 209L Major Core | 1 | HST 202 GE D1b | 4 | Any approved course in area A3 | 4 | |
| | PLS 201 GE Area D1a | 4 | | | | | |
| | <i>Take the Graduation Writing Test</i> | | | | | | |
| | Total Units | 18 | Total Units | 17 | Total Units | 17 | |
| | | | | | Total Units for Year | 52 | |

| Year 4 | Fall | Units | Winter | Units | Spring | Units | Comment |
|--------------------|---|--------------------|---|--------------------|---|-----------|---|
| | ECE 480 Major Core | 4 | ECE UD Elective Major Core | 4 | ECE UD Elective Major Core | 4 | <i>All GE Area A courses and all lower division GE courses in a GE area must be completed before taking the GE Synthesis course in that area. ECE Upper Division Electives: At least 12 of the electives must be satisfied by selecting courses from the following list. The rest of the elective units can be satisfied by selecting courses from the UD ECE courses. If a course with an associated lab is selected both must be taken. ECE 342/342L, ECE 404/404L, ECE 408/408L, ECE 414/414L, ECE 415/415L, ECE 423, ECE 423L, ECE 424/424L, ECE 428, ECE 429, ECE 432/432L, ECE 439, ECE 499(with advisor approval).</i> |
| | ECE UD Elective Major Core | 4 | ECE 302 Major Core | 4 | ECE 467 Major Core | 1 | |
| | ECE 464 Major Core | 1 | GE Area D3 Any approved course in D3 | 4 | ECE UD Elective Major Core | 4 | |
| | EGR 481 GE Area B5 | 2 | EGR 482 GE Area B5 | 2 | GE Area C4 Any approved course in area C4 | 4 | |
| | GE Area C3 Any approved course in area C3 | 4 | | | GE Area D4 Any approved course in area D4 | 4 | |
| | | | <i>Request a graduation check</i> | | <i>File an application for graduation</i> | | |
| Total Units | 15 | Total Units | 14 | Total Units | 17 | | |
| | | | | | Total Units for Year | 46 | |

| | |
|------------------------------------|------------|
| Total Units on Plan | 198 |
| Major Core Units | 101 |
| Major Support Units | 29 |
| General Education Units | 68 |
| Unrestricted Elective Units | 0 |