

| Computer Engineering Sample Schedule | Total | Term: | | | | | | | |
|--|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | Credit Hours | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Subjects Required by all Programs (55 hours) | | | | | | | | | |
| Mathematics 115, 116, 215 and 216 | 16 | 4 | 4 | - | 4 | 4 | - | - | - |
| Engineering 100, Introduction to Engineering | 4 | - | 4 | - | - | - | - | - | - |
| Engineering 101, Introduction to Computers | 4 | 4 | - | - | - | - | - | - | - |
| Chemistry 125/126 and 130 or Chemistry 210 and 2111 | 5 | 5 | - | - | - | - | - | - | - |
| Physics 140 with Lab 141; Physics 240 with Lab 2412 | 10 | - | 5 | 5 | - | - | - | - | - |
| Intellectual Breadth | 16 | 4 | 4 | - | 4 | - | 4 | - | - |
| Program Subjects (32 hours) | | | | | | | | | |
| EECS 203, Discrete Mathematics | 4 | - | - | 4 | - | - | - | - | - |
| EECS 215, Introduction to Circuits ³ | 4 | - | - | - | 4 | - | - | - | - |
| EECS 216, Introduction to Signals and Systems | 4 | - | - | - | - | 4 | - | - | - |
| EECS 270, Introduction to Logic Design | 4 | - | - | 4 | - | - | - | - | - |
| EECS 280, Programming and Elementary Data Structures | 4 | - | - | - | 4 | - | - | - | - |
| EECS 370, Introduction to Computer Organization | 4 | - | - | - | - | 4 | - | - | - |
| EECS 301, MATH 425, or STATS 412 | 3 | - | - | - | - | - | 3 | - | - |
| TCHNCLCM 3004 | 1 | - | - | - | - | 1 | - | - | - |
| TCHNCLCM 496 and EECS 4965 | 4 | - | - | - | - | - | - | - | 4 |
| Technical Electives (28 hours) ^{6, 11} | | | | | | | | | |
| Flexible Technical Electives ⁷ | 7 | - | - | - | - | - | - | 5 | 2 |
| EECS Elective ⁸ | 3 | - | - | - | - | - | - | 3 | - |
| Core Electives ⁹ | 8 | - | - | - | - | - | 8 | - | - |
| Upper Level CE Electives ¹⁰ | 10 | - | - | - | - | - | - | 4 | 6 |
| General Electives (13-16 hours) | 13-16 | - | - | 3 | - | 3 | - | 4 | 3 |
| Total | 128 | 17 | 17 | 16 | 16 | 16 | 15 | 16 | 15 |

Candidates for the Bachelor of Science in Engineering in Computer Engineering - B.S.E. in Compt. E. must complete the program listed above. This sample schedule is an example of one leading to graduation in eight terms.

Notes:

C- Rule: Among science, engineering and mathematics courses, a grade of C- or below is considered unsatisfactory.

¹If you have a satisfactory score or grade in Chemistry AP, A-Level, IB Exams or transfer credit from another institution for Chemistry 125/126/130 you will have met the Chemistry Core Requirement for the College of Engineering.

²If you have a satisfactory score or grade in Physics AP, A-Level, IB Exams or transfer credit from another institution for Physics 140/141 and 240/241 you will have met the Physics Core Requirement for the College of Engineering.

³EECS 215 must be preceded or accompanied by Physics 240.

⁴TCHNCLCM 300 can be taken independently of any EECS course, but it is a prerequisite for TCHNCLCM 496.

⁵TCHNCLCM 496 must be taken in the same or later semester as the Major Design Experience (preferably the same semester).

⁶Technical Electives: At least one of these classes must be an approved Major Design Experience Course.

⁷Unused credits from Upper Level CE Electives or EECS Elective courses may be used to satisfy this requirement.

⁸Unused credits from Upper Level CE Elective courses may be used to satisfy this requirement.

⁹Core Electives: 8 hours from the following list: EECS 281, EECS 312, EECS 373, EECS 351.

¹⁰Upper Level CE Electives: At least 10 hours. Contact the ECE Undergraduate Advising Office for the current list.

¹¹A maximum of 4 hours of EECS 499 may be applied to Technical Elective requirements and only in the area of Flexible Technical Electives.