

Bachelor of Science in Computer Science and Engineering
College of Engineering
University of Texas at Arlington
General Requirements 2007-2008 ■ Total Credit Hours = 127

Freshman

| First Semester | | | | Hours | Second Semester | | | | Hours |
|---------------------------|------|--|--|--------------|---------------------------|------|---|--|--------------|
| CSE | 1104 | Introduction to Engineering | | 1 | CSE | 1320 | Intermediate Programming | | 3 |
| CSE | 1105 | Introduction to CSE | | 3 | ENGL | 1302 | Critical Thinking, Reading and Writing II | | 3 |
| CHEM | 1441 | General Chemistry | | 3 | HIST | 1311 | History of the U.S. | | 3 |
| ENGL | 1301 | Critical Thinking, Reading and Writing I | | 3 | MATH | 2425 | Calculus II | | 4 |
| MATH | 1426 | Calculus I | | 4 | PHYS | 1444 | Technical Physics II | | 4 |
| PHYS | 1443 | Technical Physics I | | 3 | | | | | |
| Total Credit Hours | | | | 17 | Total Credit Hours | | | | 17 |

Sophomore

| First Semester | | | | Hours | Second Semester | | | | Hours |
|---------------------------|------|--|--|--------------|---------------------------|------|--|--|--------------|
| CSE | 1325 | Object-Oriented and Event-Driven Programming | | 3 | CSE | 2140 | Digital Logic Lab | | 1 |
| CSE | 2315 | Discrete Structures | | 3 | CSE | 2312 | Computer Organization & Assembly Language Progr. | | 3 |
| EE | 2440 | Circuit Analysis w/ Lab | | 4 | CSE | 2320 | Algorithms & Data Struct. | | 3 |
| HIST | 1312 | U.S. History since 1865 | | 3 | CSE | 2340 | Intro. To Digital Logic Lab | | 3 |
| MATH | 2326 | Calculus III | | 3 | IE | 3301 | Engineering Probability | | 3 |
| POLS | 2311 | Government of U.S. | | 3 | POLS | 2312 | State & Local Government | | 3 |
| Total Credit Hours | | | | 19 | Total Credit Hours | | | | 16 |

Junior

| First Semester | | | | Hours | Second Semester | | | | Hours |
|---------------------------|------|--|--|--------------|---------------------------|------|--------------------------------------|--|--------------|
| COMS | 3302 | Professional & Technical Communication | | 3 | CSE | 3302 | Programming Languages | | 3 |
| CSE | 3315 | Theoretical Concepts in CSE | | 3 | CSE | 3310 | Fundamentals of Software Engineering | | 3 |
| CSE | 3320 | Operating Systems | | 3 | CSE | 3330 | Database Systems & File Structures | | 3 |
| CSE | 3322 | Computer Architecture | | 3 | CSE | 3442 | Embedded Computer Systems | | 4 |
| IE | 3312 | Engineering Economy | | 3 | | | Literature Elective ■ | | 3 |
| Total Credit Hours | | | | 15 | Total Credit Hours | | | | 16 |

Senior

| First Semester | | | | Hours | Second Semester | | | | Hours |
|---------------------------|------|---|--|--------------|---------------------------|------|-----------------------------------|--|--------------|
| CSE | 4316 | Computer System Design Project I | | 3 | CSE | 4317 | Computer System Design Project II | | 3 |
| MATH | 3319 | Differential Equations & Linear Algebra | | 3 | | | Fine Arts Elective ■ | | 3 |
| | | Social/Cultural Elective ■ | | 3 | | | Math/Science Elective ■ | | 3 |
| | | Technical Electives § | | 6 | | | Technical Elective § | | 3 |
| Total Credit Hours | | | | 15 | Total Credit Hours | | | | 12 |

Students who do not have two units of a single foreign language in high school will be required to take two courses of a single foreign language in addition to the previously listed curriculum requirements.

§ To be chosen from the approved list of CSE technical electives available in the CSE office, 300 NH.

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