



## 2016-2017 BA Computer Science Degree Plan

Last First Middle SMU Student ID

See University Curriculum requirements in the Undergraduate Catalog.

### MAJOR

| Courses   | Hours     | Semester & Year | Grade |
|---|-----------|-----------------|-------|
| CSE 1341 – Principles of Computer Science I                     | 3         |                 |       |
| CSE 1342 – Programming Concepts                                 | 3         |                 |       |
| CSE 2240 – Assembly Language Programming & Machine Organization | 2         |                 |       |
| CSE 2341 – Data Structures                                      | 3         |                 |       |
| CSE 3342 – Programming Languages                                | 3         |                 |       |
| CSE 3353 – Fundamentals of Algorithms                           | 3         |                 |       |
| CSE 3345 – Graphical User Interface Design and Implementation   | 3         |                 |       |
| CSE 3330 – Database Concepts                                    | 3         |                 |       |
| CSE 3381 – Digital Logic Design                                 | 3         |                 |       |
| CSE 4344 – Computer Networks and Distributed Systems            | 3         |                 |       |
| CSE 4345 – Software Engineering Principles                      | 3         |                 |       |
| CSE 4351 – Senior Design I                                      | 3         |                 |       |
| CSE 4352 – Senior Design II                                     | 3         |                 |       |
| CSE 4381 – Digital Computer Design                              | 3         |                 |       |
| CSE 5343 - Operating Systems and Systems Software               | 3         |                 |       |
| Advanced Major Elective <sup>1</sup>                            | 3         |                 |       |
| <b>TOTAL</b>  | <b>47</b> |                 |       |

### MATHEMATICS & STATISTICS

| Courses   | Hours     | Semester & Year | Grade |
|---|-----------|-----------------|-------|
| MATH 1337 – Calculus with Analytic Geometry I   | 3         |                 |       |
| MATH 1338 – Calculus with Analytic Geometry II  | 3         |                 |       |
| CSE 2353 – Discrete Computational Structures    | 3         |                 |       |
| STAT 2331 – Introduction to Statistical Methods | 3         |                 |       |
| <b>TOTAL</b>                                    | <b>12</b> |                 |       |

### SCIENCE

| Courses   | Hours    | Semester & Year | Grade |
|---|----------|-----------------|-------|
| PHYS 1301 – The Ideas of Modern Physics or PHYS 1303 – Introductory Mechanics | 3        |                 |       |
| Science Elective <sup>2</sup>   | 3        |                 |       |
| <b>TOTAL</b>  | <b>6</b> |                 |       |

**LEADERSHIP COURSES**

| <b>Courses</b>  | <b>Hours</b> | <b>Semester &amp; Year</b> | <b>Grade</b> |
|---|--------------|----------------------------|--------------|
| CSE 4360 – Technical Entrepreneurship   | 3            |                            |              |
| EMIS 3308 – Engineering Management or CSE 5317 – Leadership and Architecting Software Systems | 3            |                            |              |
| CEE 3302 – Engineering Communications   | 3            |                            |              |
| <b>TOTAL</b>  | <b>9</b>     |                            |              |

**White Degree Plan** (For advising ONLY!)

**Blue Degree Plan** (For graduating seniors ONLY: Due at the beginning of the graduating semester.)

**GRADUATION CERTIFICATION:**

\_\_\_\_\_  
 Advisor Date

\_\_\_\_\_  
 Dept. Chair or Associate Chair Date

\_\_\_\_\_  
 Assistant Dean Date

<sup>1</sup>AME to be chosen from: CSE 5314, CSE 5320, CSE 5330, CSE 5339, CSE 5341, CSE 5342, CSE 5344, CSE 5345, CSE 5348, CSE 5349, CSE 5350, CSE 5359, CSE 5376, CSE 5380, CSE 5381, CSE 5382, CSE 5385, CSE 5387

<sup>2</sup>To be chosen from ANTH 2315, ANTH 2363, BIOL 1303, BIOL 1304, BIOL 1308, BIOL 1401, BIOL 1402, CHEM 1301, CHEM 1303, CHEM 1304, GEOL 1301, GEOL 1305, GEOL 1307, GEOL 1308, GEOL 1313, PHYS 1303, PHYS 1304, PHYS 1314, and PHYS 3305.

<sup>3</sup>The free electives must be approved by the advisor. Students wishing to obtain teacher certification should take courses from the Center for Teacher Education to satisfy the free electives.