

**SMU****BOBBY B. LYLE  
SCHOOL OF ENGINEERING****2012- 2013 BS Electrical Engineering Degree Plan**

|                |              |        |                |
|----------------|--------------|--------|----------------|
| Last           | First        | Middle | SMU Student ID |
| Dallas Address | Phone Number |        | Advisor        |

See University Curriculum requirements in the Undergraduate Catalog.

**MAJOR**

| Courses                                                         | Hours     | Semester & Year | Grade |
|-----------------------------------------------------------------|-----------|-----------------|-------|
| EE 1322 - Survey of Electrical and Electronic Devices           | 3         |                 |       |
| EE 1382 – Fundamentals of Electrical Engineering                | 3         |                 |       |
| EE 2322 – Electronic Circuits I                                 | 3         |                 |       |
| EE 2122 – EE Laboratory: Electronic Circuits I                  | 1         |                 |       |
| EE 2350 – Circuits Analysis I                                   | 3         |                 |       |
| EE 2370 – Design & Analysis of Signals & Systems                | 3         |                 |       |
| EE 2170 – EE Laboratory: Design & Analysis of Signals & Systems | 1         |                 |       |
| EE 2381 – Digital Computer Logic                                | 3         |                 |       |
| EE 2181 – EE Laboratory: Digital Computer Logic                 | 1         |                 |       |
| EE 3311 – Solid State Devices                                   | 3         |                 |       |
| EE 3322 – Electronic Circuits II                                | 3         |                 |       |
| EE 3122 – EE Laboratory: Electronic Circuits II                 | 1         |                 |       |
| EE 3330 – Electromagnetic Field Waves                           | 3         |                 |       |
| EE 3360 – Statistical Methods in EE                             | 3         |                 |       |
| EE 3372 – Introduction to Digital Signal Processing             | 3         |                 |       |
| EE 3381 – Microprocessors                                       | 3         |                 |       |
| EE 3181 – EE Laboratory: Microprocessors                        | 1         |                 |       |
| Advanced EE Elective – Areal <sup>2</sup>                       | 3         |                 |       |
| Advanced EE Elective - Areall <sup>3</sup>                      | 3         |                 |       |
| Advanced EE Electives – Arealll <sup>4</sup>                    | 3         |                 |       |
| Advanced Major Elective <sup>5</sup>                            | 3         |                 |       |
| Advanced Major Elective <sup>6</sup>                            | 3         |                 |       |
| EE 4311 – Senior Design I                                       | 3         |                 |       |
| EE 4312 – Senior Design II                                      | 3         |                 |       |
| <b>TOTAL</b>                                                    | <b>62</b> |                 |       |

**MATHEMATICS**

| Courses                                         | Hours     | Semester & Year | Grade |
|-------------------------------------------------|-----------|-----------------|-------|
| MATH 1337 – Calculus with Analytic Geometry I   | 3         |                 |       |
| MATH 1338 – Calculus with Analytic Geometry II  | 3         |                 |       |
| MATH 2339 – Calculus with Analytic Geometry III | 3         |                 |       |
| MATH 2343 – Elementary Differential Equations   | 3         |                 |       |
| Advanced Mathematics Elective <sup>7</sup>      | 3         |                 |       |
| <b>TOTAL</b>                                    | <b>15</b> |                 |       |

**GENERAL ENGINEERING**

| Courses                                     | Hours    | Semester & Year | Grade |
|---------------------------------------------|----------|-----------------|-------|
| CSE 1341 – Principles of Computer Science I | 3        |                 |       |
| CSE 1342 – Programming Concepts             | 3        |                 |       |
| Engineering Elective <sup>8</sup>           | 3        |                 |       |
| <b>TOTAL</b>                                | <b>9</b> |                 |       |

**SCIENCE**

| Courses                                          | Hours     | Semester & Year | Grade |
|--------------------------------------------------|-----------|-----------------|-------|
| CHEM 1303 – General Chemistry I                  | 3         |                 |       |
| PHYS 1303 – Introductory Mechanics               | 3         |                 |       |
| PHYS 1304 – Introductory Electricity & Magnetism | 3         |                 |       |
| PHYS 1105 or PHYS 1106                           | 1         |                 |       |
| Science Elective <sup>9</sup>                    | 3         |                 |       |
| <b>TOTAL</b>                                     | <b>13</b> |                 |       |

**ENGINEERING LEADERSHIP (Select one of the following)**

| Courses                                                   | Hours    | Semester & Year | Grade |
|-----------------------------------------------------------|----------|-----------------|-------|
| CEE 3302 – Engineering Communications                     |          |                 |       |
| EMIS 3308 – Engineering Management                        |          |                 |       |
| EMIS 3309 – Information Engineering & Global Perspectives |          |                 |       |
| CSE 4360 – Technical Entrepreneurship                     |          |                 |       |
| <b>TOTAL</b>                                              | <b>3</b> |                 |       |

**GRADUATION CERTIFICATION:**

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

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

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

<sup>1</sup>Engineering majors are required to take 9 hours of Perspectives and 6 hours of Cultural Formations, or 12 hours of Perspectives and 3 hours of Cultural Formations for a total of 15 hours. One of the selections for Perspectives or Cultural Formations must satisfy the Human Diversity Co-Requirement.

<sup>2</sup>To be chosen from EE 5360, EE 5362/ME5362, EE 5370, EE 5371, EE 5372, EE 5373, EE 5374, EE 5375, EE5376, EE 5377 or EE5378

<sup>3</sup>To be chosen from EE 5356, EE 5357, EE5387, EE 5381, EE 5385 or CSE 5385

<sup>4</sup>To be chosen from EE 5310, EE 5312, EE 5314, EE 5321, EE 5330, EE 5332 or EE5333

<sup>5</sup>To be chosen from any of the Advanced EE Elective Areas I, II, III

<sup>6</sup>To be chosen from any of the Advanced EE Elective Areas I,II,III or any CSE course approved by the student's advisor

<sup>7</sup>To be chosen from MATH 3308, MATH 3315 / CSE 3365, MATH 3337 or MATH 3353

<sup>8</sup>To be chosen from ME 2310, ME 2320, ME 2331, ME 2342, CSE 2341, CSE2353, or any 5000 level EE course approved by the student's advisor

<sup>9</sup>To be chosen from CHEM 1304, PHYS 3305, PHYS 3344, or PHYS 3374