

# ELECTRICAL ENGINEERING TECHNOLOGY: COMPUTER, BSET

**Requirements for Students Matriculating in or before Academic Year 2025-2026.** Learn more about University Academic Regulation 3.1 (<http://catalog.okstate.edu/university-academic-regulations/#matriculation>).

**Minimum Overall Grade Point Average: 2.00**

**Total Hours: 120**

| Code                                                                                                                                                                                                                                                                         | Title                                    | Hours |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------|
| <b>General Education Requirements</b>                                                                                                                                                                                                                                        |                                          |       |
| <i>English Composition</i>                                                                                                                                                                                                                                                   |                                          |       |
| See Academic Regulation 3.5 ( <a href="http://catalog.okstate.edu/university-academic-regulations/#english-composition">http://catalog.okstate.edu/university-academic-regulations/#english-composition</a> )                                                                |                                          |       |
| ENGL 1113                                                                                                                                                                                                                                                                    | Composition I                            | 3     |
| or ENGL 1313                                                                                                                                                                                                                                                                 | Critical Analysis and Writing I          |       |
| Select one of the following:                                                                                                                                                                                                                                                 |                                          | 3     |
| ENGL 1213                                                                                                                                                                                                                                                                    | Composition II                           |       |
| ENGL 1413                                                                                                                                                                                                                                                                    | Critical Analysis and Writing II         |       |
| ENGL 3323                                                                                                                                                                                                                                                                    | Technical Writing                        |       |
| <i>American History &amp; Government</i>                                                                                                                                                                                                                                     |                                          |       |
| Select one of the following:                                                                                                                                                                                                                                                 |                                          | 3     |
| HIST 1103                                                                                                                                                                                                                                                                    | Survey of American History (or)          |       |
| HIST 1483                                                                                                                                                                                                                                                                    | American History to 1865 (H) (or)        |       |
| HIST 1493                                                                                                                                                                                                                                                                    | American History Since 1865 (DH)         |       |
| POLS 1113                                                                                                                                                                                                                                                                    | American Government                      | 3     |
| <i>Quantitative Thought &amp; Logical Reasoning (Q)</i>                                                                                                                                                                                                                      |                                          |       |
| MATH 2144                                                                                                                                                                                                                                                                    | Calculus I (Q)                           | 4     |
| MATH 2153                                                                                                                                                                                                                                                                    | Calculus II (Q)                          | 3     |
| STAT 4013                                                                                                                                                                                                                                                                    | Statistical Methods I (Q)                | 3     |
| <i>Understanding Humanities-Human Heritage &amp; Cultures (H)</i>                                                                                                                                                                                                            |                                          |       |
| Courses designated (H)                                                                                                                                                                                                                                                       |                                          | 3     |
| Courses designated (DH)                                                                                                                                                                                                                                                      |                                          | 3     |
| <i>Reasoning in the Natural Sciences (N)</i>                                                                                                                                                                                                                                 |                                          |       |
| Must include one Laboratory Science (L) course                                                                                                                                                                                                                               |                                          |       |
| PHYS 2014                                                                                                                                                                                                                                                                    | University Physics I (LN)                | 4     |
| Select 4 hours of any course designated (LN)                                                                                                                                                                                                                                 |                                          | 4     |
| <i>Exploring Society &amp; Human Behavior (S)</i>                                                                                                                                                                                                                            |                                          |       |
| SPCH 2713                                                                                                                                                                                                                                                                    | Introduction to Speech Communication (S) | 3     |
| <i>Diversity</i>                                                                                                                                                                                                                                                             |                                          |       |
| Courses designated (D)                                                                                                                                                                                                                                                       |                                          |       |
| May be paired with another designated course                                                                                                                                                                                                                                 |                                          |       |
| <i>Global Cultural Competency (G)</i>                                                                                                                                                                                                                                        |                                          |       |
| Courses designated (G)                                                                                                                                                                                                                                                       |                                          | 3     |
| <i>Additional General Education</i>                                                                                                                                                                                                                                          |                                          |       |
| Additional general education credit hours may be required to meet the total 40-hour minimum of general education credit if courses carry more than one general education designation and can be used to meet multiple general education designation hour requirements above. |                                          |       |

|                                                                                                    |                                                                  |            |
|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------|------------|
| Courses designated (Q), (H), (N), (S), (D), (G), or (F).                                           |                                                                  | 0          |
| <b>Hours Subtotal</b>                                                                              |                                                                  | <b>42</b>  |
| <b>College/Departmental Requirements</b>                                                           |                                                                  |            |
| UNIV 1111                                                                                          | First Year Seminar (or other approved first year seminar course) | 1          |
| <i>Electronics</i>                                                                                 |                                                                  |            |
| ENGR 2421                                                                                          | Engineering Data Acquisition Controls Lab                        | 1          |
| ENSC 2613                                                                                          | Introduction to Electrical Science                               | 3          |
| ENSC 2411                                                                                          | Electrical Science Lab                                           | 1          |
| CS 1113                                                                                            | Computer Science I (Q)                                           | 3          |
| EET 2303                                                                                           | Technical Programming                                            | 3          |
| EET 2544                                                                                           | Pulse and Digital Techniques                                     | 4          |
| EET 2633                                                                                           | Solid State Devices and Circuits I                               | 3          |
| EET 2643                                                                                           | Solid State Devices and Circuits II                              | 3          |
| <b>Hours Subtotal</b>                                                                              |                                                                  | <b>22</b>  |
| <b>Major Requirements</b>                                                                          |                                                                  |            |
| EET 3113                                                                                           | Circuit Analysis II                                              | 3          |
| EET 3123                                                                                           | Project Design and Fabrication                                   | 3          |
| EET 3253                                                                                           | Microprocessors I                                                | 3          |
| EET 3263                                                                                           | Microprocessors II                                               | 3          |
| EET 3303                                                                                           | Python Programming for Technology and Engineering                | 3          |
| EET 3354                                                                                           | Communication and Signal Processing                              | 4          |
| EET 3363                                                                                           | Data Acquisition                                                 | 3          |
| EET 3523                                                                                           | Advanced Logic Circuits                                          | 3          |
| EET 3533                                                                                           | Introduction to Telecommunications                               | 3          |
| EET 4363                                                                                           | Digital Signal Processing                                        | 3          |
| EET 4833                                                                                           | Industrial Project Design I                                      | 3          |
| EET 4843                                                                                           | Industrial Project Design II                                     | 3          |
| EET 3423                                                                                           | Applied Analysis for Technology (or GENT 3123)                   | 3          |
| MGMT 3013                                                                                          | Fundamentals of Management (S)                                   | 3          |
| or IEM 3503                                                                                        | Engineering Economic Analysis                                    |            |
| or IEM 3513                                                                                        | Economic Decision Analysis                                       |            |
| Select 4 hours from any course in CEAT, any course with a MATH or CS prefix, or any designated (N) |                                                                  | 4          |
| CS 2133                                                                                            | Computer Science II                                              | 3          |
| Select 6 hours of upper-division CS                                                                |                                                                  | 6          |
| <b>Hours Subtotal</b>                                                                              |                                                                  | <b>56</b>  |
| <b>Total Hours</b>                                                                                 |                                                                  | <b>120</b> |

## Graduation Requirements

1. A minimum technical GPA of 2.00 is required. The technical GPA is calculated from all courses counting in the curriculum with a prefix belonging to the degree program or substitution for these courses.
2. A minimum grade of "C" is required for all EET coursework.
3. Students may not enter into a subsequent EET course that has a prerequisite if the minimum "C" grade is not met in the prerequisite without consent of instructor.

## **Additional State/OSU Requirements**

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 and 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2031.