The Electrical Engineering Technology curriculum provides preparation for careers not only in the electronics industry itself but also in many other areas in modern industry and government which depend upon electronics for control, communications, or computation. The work of graduates in electronics may range from the development of new equipment in the laboratory or in the field, to operations, technical writing, customer engineering, and sales engineering. Graduates will find these opportunities in a wide variety of industrial firms. The program provides the Bachelor of Science Degree in Engineering Technology. To meet the diverse needs that the graduates will have, the program provides a strong foundation of mathematics and science. Specialized courses in electronics, communications, and instrumentation are included. The appropriate software to support the computer field is also covered in several courses. Related courses in the humanities and social sciences are included to give the graduate an appreciation of the world in which he or she will live and work. The B.S. degree program is accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET/TAC).

**THE PROGRAM**

**Type of Degree**
B.S. Engineering Technology – Electrical Engineering Technology

**Program Emphasis**
The program combines theory and applications. The lectures emphasize theory and problem solving while the laboratory work emphasizes design and troubleshooting.

**Accreditation**
Technology Accreditation Council of Accreditation Board for Engineering and Technology – ABET/ETAC.

**Program Duration / Average Class Size**
130 credit hours over a four year period. An average 20 students in EET courses.

**Faculty**
Four full-time and one part-time. All with industrial experience.

**Further Educational Opportunities**
Graduate study available at OSU in Electrical Engineering, Telecommunications Management, Engineering Management, and Business Administration. In some cases additional course work may be required before beginning graduate work.

**STUDENT ORGANIZATIONS**
The Institute of Electrical and Electronics Engineers, Inc. (IEEE) is the student organization for the department. IEEE offers you the most current technical and professional information available today with opportunities to attend technical conferences, and seminars, and access to the world’s most comprehensive source of publications.

**THE STUDENTS**

**Technical Interest**
Relatively specialized, applications orientated, challenged by specific technical problems.

**Technical Capability**
Uses technical knowledge to produce products and services.

**Typical Beginning Job Positions**
Entry-level positions in product design, product development and implementation, technical operations, sales, and customer services.

**Adaptability to Current Industrial Practices**
Often begins assignments using current industrial practices and design procedures learned in school.

**CAREER OPPORTUNITIES**

- Project Engineer
- Engineering Analyst
- Automation Engineer
- Design Engineer
- Test Engineer
- Quality Engineer
- Electrical Engineer
- Instrument Engineer
- Applications Engineer
- Customer Service Engineer

**FOR CAREER INFORMATION**
Oklahoma State University
Electrical Engineering Technology
398 Cordell South
Stillwater, OK 74078-8015
(405) 744-5716
http://eet.okstate.edu
**Typical Four-Year Curriculum**

**Recommended Schedule**

*Based on 2016/2017 Degree Requirements*

### Freshman Year

**Fall Semester**
- EET 1104: Fundamentals of Electricity
- MATH 1715: Precalculus
- ENGL 1113: Composition I
- HIST 1103: Survey of American History

**Spring Semester**
- EET 1244: Circuit Analysis I
- EET 2303: Technical Programming
- MATH 2123: Calculus for Technology Programs I
- ENGL 1213: Composition II
- POLS 1113: American Government

**Sophomore Year**

**Fall Semester**
- EET 2544: Pulse and Digital Techniques
- EET 2635: Solid State Devices and Circuits
- MATH 2133: Calculus for Technology Programs II
- PHYS 1114: General Physics

**Spring Semester**
- EET 3254: Microprocessors I
- EET 3363: Data Acquisition
- SPCH 2713: Introduction to Speech Communication
- PHYS 1214: General Physics
- (H) xxx3: Humanities Elective

### Junior Year

**Fall Semester**
- EET 3124: Project Design and Fabrication
- EET 3264: Microprocessors II
- EET 3524: Advanced Logic Circuits
- (RSE) xxx2: Related Specialty Elective
- GENT 3123: Applied Analysis for Technology

**Spring Semester**
- EET 3113: Circuit Analysis II
- EET 3354: Communication and Signal Processing
- EET 3333: Introduction to Telecommunications
- (N,L) xxx4: Science Elective with Laboratory
- IEM 3503: Fundamentals of Management
- or
- IEM 3503: Engineering Economic Analysis

### Senior Year

**Fall Semester**
- EET 4314: Elements of Control
- EET 4654: Microwave Techniques
- EET 4833: Industrial Project Design I
- STAT 4033: Engineering Statistics
- (S) xxx3: Social Science Elective

**Spring Semester**
- EET 4363: Digital Signal Processing
- EET 4843: Industrial Project Design II
- (CE) xxx3: Controlled Elective
- (RSE) xxx3: Related Specialty Elective
- (H) xxx3: Humanities Elective

### Transfer Credit Evaluation

Transfer credit evaluation in the Office of Undergraduate Admissions determines acceptable transfer credit on a course-by-course basis for college-level credit earned at institutions who are fully accredited by any of the six US regional associations. The evaluation is based on course content, as described in the catalogs of those institutions and in consultation with appropriate academic units at OSU. All transferred courses are recorded on the student’s academic record. No part of the previous collegiate record may be disregarded. Courses completed at institutions located outside of the US will be reviewed for transfer credit based on US regional accreditation standards or post-secondary recognition in the country for which the institution is located. It is highly recommended that the program requirements and course syllabi be submitted for all courses completed overseas.

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**General Education Requirements**

Students in Engineering, Architecture and Technology must complete at least six credit hours of courses designated as (H) and six credit hours of course work designated (S). The student must also satisfy the international dimension requirement either by taking a course designated (I) or by approved international experience and complete a diversity (D) course. If this course work is taken at Oklahoma State University, the course must be designated as (H), (S) and/or (I) respectively at the time it was taken. If one or more of the courses were taken at another institution the course must transfer as equivalent to an Oklahoma State University course that was designated (H), (S) and/or (I) respectively at the time that the transfer course was taken. Engineering students should verify their course selections in these categories with advisers in the CEAT Office of Student Academic Services before enrollment.

Oklahoma State University, in compliance with Title VI and VII of the Civil Rights Act of 1964, Executive Order 11246 as amended, Title IX of the Education Amendments of 1972, Americans with Disabilities Act of 1990, and other federal laws and regulations, does not discriminate on the basis of race, color, national origin, sex, age, religion, disability, or status as a veteran in any of its policies, practices or procedures. This includes but is not limited to admissions, employment, financial aid, and educational services. Title IX of the Education Amendments and Oklahoma State University policy prohibit discrimination in the provision of services or benefits offered by the University based on gender. Any person (student, faculty or staff) who believes that discriminatory practices have been engaged in based upon gender may discuss their concerns and file informal or formal complaints of possible violations of Title IX with the OSU Title IX Coordinator, Mackenzie Wilfong, J.D., Director of Affirmative Action, 408 Whitehurst, Oklahoma State University, Stillwater, OK 74078, (405) 744-5571 or (405) 744-5576 (fax). This publication, issued by Oklahoma State University as authorized by the Division of Engineering Technology, was printed by Oklahoma Career Tech at a total cost of $190.000/M. Jul 2012 #43968