OKLAHOMA STATE UNIVERSITY

College of Engineering, Architecture & Technology

Electrical Engineering TECHNOLOGY

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.

America's Brightest ORANGE™

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

OKLAHOMA STATE UNIVERSITY

College of Engineering, Architecture & Technology

Electrical Engineering TECHNOLOGY

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
	15	CREDIT HOURS

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
	16	CREDIT HOURS

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
	16	CREDIT HOURS

Spring Semester

EET	3254	Microprocessors I
EET	3363	Data Acquisition
SPCH	2713	Introduction to Speech Communication
PHYS	1214	General Physics
(H)	xxx3	Humanities Elective
	17	CREDIT HOURS

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
	17	CREDIT HOURS

Spring Semester

EET	3113	Circuit Analysis II
EET	3354	Communication and Signal Processing
EET	3533	Introduction to Telecommunications
(N,L)	xxx4	Science Elective with Laboratory
MGMT	3013	Fundamentals of Management
or		
IEM	3503	Engineering Economic Analysis
	17	CREDIT HOURS

or STAT 4013 Statistical Methods I

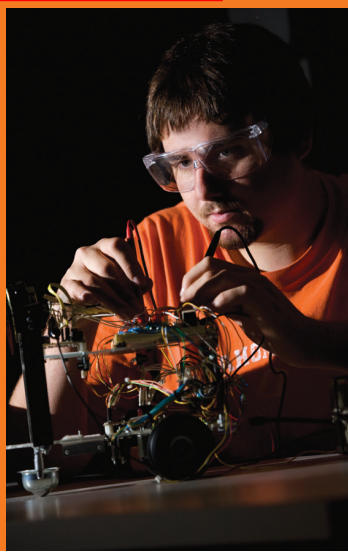
SENIOR YEAR

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
	17	CREDIT HOURS

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
	15	CREDIT HOURS



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 have been 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

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.

 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 $190.00/1M/Jul 2012 #4398