



TEXARKANA COLLEGE

Instrumentation/Robotics | Associate of Applied Science

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LIST OF COURSES

CETT 1409-DC/AC Circuits
 ELPT 1321-Intro to Electrical Safety & Tools
 DFTG 1329-Electro-Mechanical Drafting
 ELPT 1325-National Electrical Code I
 LEAD 1100-Development with Critical Thinking
 CETT 1307-Fundamentals of Electronics
 INTC 1405-Introduction to Instrumentation
 RBTC 1401-Programmable Logic Controllers
 RBTC 1305-Robotic Fundamentals
 INTC 1443-Application of Industrial Automatic Control
 RBTC 2345- Robot Application, Set-up and Testing
 INTC 1457-AC/DC Motor Control
 ELMT 2339-Advanced Programmable Logic Controllers
 SPCH 1315-Public Speaking
 ENGL 1301- Composition 1
 BCIS 1305 OR EDUC 1300- Business/Learning Frame.
 College Algebra or College Level Math
 Social Science Elective
 Art/Drama/Music Elective

SEMESTER 1	SEMESTER 3
CETT 1409	INTC 1443
ELPT 1321	RBTC 2345
DFTG 1329	INTC 1457
ELPT 1325	ELMT 2339
SEMESTER 2	SEMESTER 4
LEAD 1100	SPCH 1315 (core)
CETT 1307	ENGL 1301 (core)
INTC 1405	BCIS 1305 or EDUC 1300 (core)
RBTC 1401	College Algebra or College Level Math (core)
RBTC 1305	Social Science Elective (core)
	Arts/Drama/Music Elective (core)

LEARNING OUTCOMES/MARKETABLE SKILLS

Critical Thinking | Teamwork | Communication | Professionalism | Problem Solving | Organization | Time Management | Safety Awareness

EDUCATIONAL OPPORTUNITIES

B.A.A.S. Texas A&M - Texarkana

CAREER OPPORTUNITIES

Electro-Mechanical Technicians | Commercial/Industrial Electrical & Electronics Repairs | Calibration Technicians | Instrumentation Technicians

HIGH SCHOOL ENDORSEMENTS

Business and Industry | Multi-Disciplinary

LINKS TO COLLEGES & PROFESSIONAL ORGANIZATIONS:

<http://tamut.edu/Academics/Colleges-and-Departments/CASE/Undergraduate-Programs/BAAS/BAAS%20Program.html>

Start Smart. Finish Strong.

Instrumentation/Robotics

This diverse program will teach you the skills and abilities you need to pursue jobs in computer technology, medical equipment technology, industrial electronics, and more. Employees with the knowledge needed to operate, maintain and repair industrial equipment are in high demand. TC's labs have up-to-date equipment that will prep you for a number of high-paying jobs.

PROGRAMS AVAILABLE

Associate of Applied Science

1-Year Certificate

2-Semester Certificate

WHAT YOU'LL LEARN

Solid state devices & circuits | Linear integrated circuits | AC & DC circuits | Digital fundamentals & systems | Principles of automatic control | Instrumentation calibration | Programmable logic controllers

TYPICAL JOBS AFTER COMPLETION

Electronics Engineering Technician

Electronics Instrumentation Technologist

Electrical and Electronics Repairer

Commercial and Industrial Equipment

Avionics Technician

Biomedical Electronics Technician

Consumer Electronics Technician

Communication Electronic Technician

MEDIAN PAY

\$70,390 per year for electrical and electronics engineering technicians in the Texarkana area.

JOB OUTLOOK

Electrician job opportunities are expected to grow by 14% over the next 10 years.

CAREER COACH AND CAMPUS TOURS

Visit texarkanacollege.edu/careercoach to take a short Career Assessment quiz to help you determine what career paths may be right for you. You can also use this site to browse the programs that Texarkana College offers to help get you there.

Once you've decided Texarkana College might be a place for you to start, give our Enrollment Services staff a call at (903) 823.3012 or visit texarkanacollege.edu/tour to schedule your campus visit.

TEXARKANA COLLEGE

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TC does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs or activities. The following person has been designated to handle inquiries regarding the nondiscrimination policies:
Human Resources Director, 2500 N. Robison Rd., Texarkana, TX, 75599 (903) 823-3017 human.resources@texarkanacollege.edu