



TEXARKANA COLLEGE

Mechatronics | Associate of Applied Science

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LIST OF COURSES

CETT 1409-DC-AC Circuits
 ELPT 1321– Intro. to Electrical Safety and Tools
 INTC 1405-Introduction to Instrumentation
 ELPT 1325-National Electric Code I
 DFTG 1329-Electro-Mechanical Drafting
 INMT 2301-Machinery Installation or ENTC 2331
 Manufacturing Materials
 CETT 1307-Fundamentals of Electronics
 INMT 1417-Industrial Automation
 RBTC 1401-Programmable Logic Controllers
 HYDR 1445-Hydraulics and Pneumatics
 ELMT 2339-Advanced Programmable Logic Controllers
 INMT 2303-Pumps, Compressors & Mechanical Drives
 INMT 1381– Co-op Edu.-Manu. Technology/Tech
 LEAD 1100-Development with Critical Thinking
 SPCH 1315– Public Speaking
 ENGL 1301– Composition 1
 Social Science Elective OR EDUC 1300
 College Level Math or Natural Science
 Art/Drama/Music Elective

SEMESTER 1	SEMESTER 3
CETT 1409	INMT 1417
ELPT 1321	HYDR 1445
DFTG 1329	ELMT 2339
ELPT 1325	INMT 2303
	INMT 1381
SEMESTER 2	SEMESTER 4
LEAD 1100	SPCH 1315 (core)
INTC 1405	ENGL 1301 (core)
CETT 1307	Soc. Science Elective or EDUC 1300 (core)
INMT 2301 or ENTC 2331	College Level Math (core) or Natural Science
RBTC 1401	Art/Drama/Music Elective (core)

LEARNING OUTCOMES/MARKETABLE SKILLS

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

EDUCATIONAL OPPORTUNITIES

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

CAREER OPPORTUNITIES

Electro-Mechanical Technicians | Industrial Machinery Mechanics | Engineering Technicians | Commercial/Industrial Electrical & Electronics Repairs

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.

Mechatronics

In the Mechatronics program, you get a wide range of industrial skills in one package. You'll train in six different trades, giving yourself a diverse skillset that qualifies you to fill a number of industrial jobs, and you'll train on state-of-the-art equipment donated by local industries such as Cooper Tire.

PROGRAMS AVAILABLE

Associate of Applied Science

1-Year Certificate

2-Semester Basic Certificate

WHAT YOU'LL LEARN

Industry standard safety procedures | Mechanical & electrical skills | Diagnostic techniques | Read & interpret schematics | Work with motors, pumps, pneumatic, hydraulics and programmable logic control systems | Machining skills

TYPICAL JOBS AFTER COMPLETION

Industrial Production Manager

Industrial Machinery Mechanics

Machinery, Maintenance & Repair Workers

General, Electrical & Electronics Engineering Technicians

Electro-Mechanical Technicians

Commercial & Industrial Equipment Repair

MEDIAN PAY

\$62,310 per year for industrial machinery mechanics in the Texarkana area.

JOB OUTLOOK

Industrial machinery mechanic job opportunities are expected to grow by 16% 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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