



Texarkana College

Queen City High School Early Enrollment Pathway Plan

Associate of Applied Science Degree

Major: Mechatronics

Student Name _____ TC ID# _____

Academic Coach for Dual Credit (AC/DC) _____

TSIA2 Eng _____ TSIA2 Math _____ ACT _____

Advising Dates: _____

Not all high schools bus students to Texarkana College campuses. Check with your high school for more information.

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TC Course	Course Title	Credit Hours	Grade Level Completed	Grade Level Course is Available	Comments/Planning
WECM Courses – 45 Total Hours					
CETT 1409	DC – AC Circuits ¹²	4		11, 12	
ELPT 1321	Introduction to Electrical Safety and Tools ¹²	3		11, 12	
DFTG 1329	Electro-Mechanical Drafting ¹²	3		11, 12	
ELPT 1325	National Electrical Code I ¹²	3		11, 12	
RBTC 1401	Programmable Logic Controllers ¹²	4		12	
INMT 2301	Machinery Installation ¹²	3		12	
INTC 1405	Introduction to Instrumentation ¹²	4		12	
CETT 1307	Fundamentals of Electronics ¹²	3		12	
LEAD 1100	Workforce Developmental w/ Critical Thinking ¹²	1		Adult	
INMT 1417	Industrial Automation ¹²	4		Adult	
HYDR 1445	Hydraulics and Pneumatics ¹²	4		Adult	
ELMT 2339	Advanced Programmable Logic Controllers ¹²	3		Adult	
INMT 2303	Pumps, Compressors & Mechanical Drives ¹²	3		Adult	
INMT 1381	Cooperative Education – Manufacturing Technology/Technician ¹²	3		Adult	
TOTAL WECM HOURS		45	(Certificate Earned)		
ACGM Courses – 15 Total Hours					
ENGL 1301	Composition I ¹	3		12 or *EA	
SPCH 1315	Public Speaking ⁹	3		10, 11, 12 or *EA	
XXXX x3xx OR EDUC/PSYC 1300	Social Science Elective ⁸ OR Learning Framework ⁹	3		11, 12 or *EA	
XXXX x3xx	College Level Math or Natural Science ^{2 or 3}	3		11, 12 or *EA	Grade level pending course
XXXX x3xx	Visual Performing Arts Course ⁵	3		9, 10, 11, 12 or *EA	
TOTAL ACGM HOURS		15			
Total Credit Hours		60			

Many courses have pre-requisite or co-requisites and/or TSI requirements that must be met. Check course descriptions in the TC Catalog. Students planning to transfer to a four-year institution should check degree requirements of the college or university to which they plan to transfer.

*Course offered through TC's Early Admission program.

Explanation for Superscripts

1	Communication Block (010): Complete each of the following: ENGL 1301 and ENGL 1302 or 2311	2	Mathematics Block (020): Complete one of the following: MATH 1314, 1316, 1324, 1325, 1332, 1350, 1442, 2412, or 2413
3	Life & Physical Sciences Block (030): Complete two of the following: BIOL 1306, 1307, 1308, 1309, 1311, 1313, 1322, 2301, 2302, 2306, 2320, 2321; CHEM 1305, 1307, 1311, 1312, 1419; GEOL 1303; PHYS 1301, 1303, 1304, 1315, 2325	4	Language, Philosophy, & Culture Block (040): Complete one of the following: ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2341; HIST 2321, 2322; PHIL 2306
5	Creative Arts Block (050): Complete one of the following: ARTS 1301, 1310; DRAM 1310, 2366; MUSI 1306	6	American History Block (060): Complete each of the following: HIST 1301 and 1302
7	Government/Political Science Block (070): Complete each of the following: GOVT 2305 and 2306	8	Social & Behavioral Sciences Block (080): Complete one of the following: COMM 1307; ECON 2301, 2302; GEOG 1303; PSYC 2301, 2308, 2314; SOCI 1301
9	Component Area Option Block (090): 9A: Choose one from the following: SPCH 1315; SPCH 1318; SPCH 1321 OR any courses in Component Areas (010), (020), (030), (040), (050), & (080) that are not used to fulfill another core requirement except MATH 2413, which is listed below. AND 9B: Choose one from the following: BCIS 1305; MATH 2413; PSYC/EDUC 1300	10	Lab Science Course Choose a lab science course that corresponds to the Life & Physical Sciences courses you take: BIOL 1106, 1107, 1108, 1109, 1111, 1113, 2101, 2102, 2120, 2121; CHEM 1105, 1107, 1111, 1112; PHYS 1101, 1103, 1104, 1115, 2125
11	Elective Option: Choose any college level course	12	Degree Requirement This course is required for this particular degree

STACKABLE CREDENTIALS

Associate of Applied Science
1-Year Certificate
2-Semester Basic Certificate
Occupational Skills Award

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 & Industry | Multi-Disciplinary

LINKS TO COLLEGES & PROFESSIONAL ORGANIZATIONS:

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