



Texarkana College

James Bowie High School Early Enrollment Pathway Plan

Associate of Applied Science Degree

Major: Aviation Mechanics

Student Name _____ TC ID# _____

Academic Coach for Dual Credit (AC/DC) _____

TSIA2 Eng _____ TSIA2 Math _____ ACT _____ SAT _____ Other _____

Advising Dates: _____

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

TC Course	Course Title	Credit Hours	Grade Level Completed	Grade Level Course Is Available	Comments/Planning
WECM Courses – 45 Total Hours					
AERM 1201	Introduction to Aviation ¹²	2		11, 12	
AERM 1315	Aviation Science ¹²	3		11, 12	
AERM 1414	Basic Electricity ¹²	4		11, 12	
AERM 1208	Federal Aviation Regulations ¹²	2		12	
AERM 1449	Hydraulic, Pneumatic, and Fuel Systems ¹²	4		12	
AERM 1310	Ground Operations ¹²	3		12	
AERM 1352	Aircraft Sheet Metal ¹²	3		Adult	
AERM 1345	Airframe Electrical Systems ¹²	3		Adult	
AERM 1350	Landing Gear Systems ¹²	3		Adult	
AERM 1247	Airframe Auxiliary Systems ¹²	2		Adult	
AERM 2233	Assembly and Rigging ¹²	2		Adult	
AERM 1357	Fuel Metering and Induction Systems ¹²	3		Adult	
AERM 1344	Aircraft Reciprocating Engines ¹²	3		Adult	
AERM 1240	Aircraft Propellers ¹²	2		Adult	
AERM 1356	Aircraft Powerplant Electrical ¹²	3		Adult	
AERM 1351	Aircraft Turbine Engine Theory ¹²	3		Adult	
TOTAL WECM HOURS		45 (Certificate Earned)			
ACGM Courses – 15 Total Hours					
ENGL 1301	Composition I ¹	3		11, 12 or *EA	
XXXX x3xx	College Level Math ²	3		11, 12 or *EA	MATH 1314 College Connect available; MATH 1332 recommended
XXXX x3xx	Social Science Elective ⁸	3		11, 12 or *EA	
XXXX x3xx	Fine Arts Elective ⁵	3		10, 11, 12 or *EA	
XXXX x3xx	Speech & Communication Skills Elective ^{9A}	3		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
Level 2 Certificate

LEARNING OUTCOMES/MARKETABLE SKILLS

Critical Thinking | Teamwork | Communication | Professionalism | Problem Solving | Customer Service | Organization | Time Management

EDUCATIONAL OPPORTUNITIES

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

CAREER OPPORTUNITIES

Aircraft Maintenance Technician

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>

Fall 2026

TC does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs, activities, admission or employment. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Director of Human Resources/Title IX Coordinator, 2500 N. Robison Rd., Texarkana, TX, 75599, (903) 823-3006, human.resources@texarkanacollege.edu