



Texarkana College

James Bowie High School Early Enrollment Pathway Plan

Associate of Applied Science Degree

Major: Diesel Technology

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.

TC Course	Course Title	Credit Hours	Grade Level Completed	Grade Level Course is Available	Comments/Planning
WECM Courses – 42 Total Hours					
DEMR 1301	Shop Safety and Procedures ¹²	3		11, 12	
DEMR 1406	Diesel Engine I ¹²	4		11, 12	
DEMR 1405	Basic Electrical Systems ¹²	4		11, 12	
DEMR 1421	Power Train I ¹²	4		11, 12	
DEMR 1317	Basic Brake Systems ¹²	3		12	
DEMR 1410	Diesel Engine Testing and Repair I ¹²	4		12	
DEMR 1323	Heating, Ventilation, and Air Conditioning (HVAC) Troubleshooting and Repair ¹²	3		12	
DEMR 2412	Diesel Engine Testing and Repair II ¹²	4		12	
LEAD 1100	Workforce Development Critical Thinking ¹²	1		Adult	
DEMR 2332	Electronic Controls ¹²	3		Adult	
DEMR 1449	Diesel Engine II ¹²	4		Adult	
DEMR 2334	Advanced Diesel Tune-Up and Troubleshooting ¹²	3		Adult	
DEMR 2266	Practicum (or Field Experience) – Diesel Mechanics Technology/Technician ¹²	2		Adult	
TOTAL WECM HOURS		42	(Certificate Earned)		
ACGM Courses – 18 Total Hours					
ENGL 1301	Composition I ¹	3		11, 12 or *EA	
SPCH 1315	Public Speaking ⁹	3		11, 12 or *EA	
BCIS 1305 OR EDUC/PSYC 1300	Business Computer Applications ⁹ OR Learning Frameworks ⁹	3		10, 11, 12 or *EA	
XXXX x3xx	Social and Behavioral Science ⁸	3		11, 12 or *EA	
XXXX x3xx	College Level Math or Natural Science ^{2 or 3}	3		12 or *EA	
XXXX x3xx	Visual Performing Arts Course ⁵	3		10, 11, 12 or *EA	
TOTAL ACGM HOURS		18			
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

Occupational Skills Award

LEARNING OUTCOMES/MARKETABLE SKILLS

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

EDUCATIONAL OPPORTUNITIES

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

CAREER OPPORTUNITIES

Diesel Technician | Diesel Technology Engineer | Tire Technician | Vehicle Inspector | Parts Manager | Service Manager | Heavy Equipment Mechanic | Farm Equipment Mechanic | Military Mechanic - Engines | Marine Engine Mechanic | Diesel Service Technician

HIGH SCHOOL ENDORSEMENTS

Business and Industry | Multi-Disciplinary | Dual Credit/Concurrent Enrollment

LINKS TO COLLEGES & PROFESSIONAL ORGANIZATIONS: