



# Texarkana College

## McLeod 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 \_\_\_\_\_ PSAT \_\_\_\_\_ EOC Eng II \_\_\_\_\_ EOC Alg. I + Alg. II C+ \_\_\_\_\_

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
<b>WECM Courses – 45 Total Hours</b>					
ELPT 1325	National Electrical Code <sup>12</sup>	3		12	
CETT 1409	DC – AC Circuits <sup>12</sup>	4		11,12	
DFTG 1329	Electro-Mechanical Drafting <sup>12</sup>	3		12	
ELPT 1321	Introduction to Electrical Safety and Tools <sup>12</sup>	3		11,12	
LEAD 1100	Workforce Developmental w/ Critical Thinking <sup>12</sup>	1		Adult	
INTC 1405	Introduction to Instrumentation <sup>12</sup>	4		Adult	
CETT 1307	Fundamentals of Electronics <sup>12</sup>	3		Adult	
RBTC 1401	Programmable Logic Controllers <sup>12</sup>	4		Adult	
INMT 2301 OR ENTC 2331	Machinery Installation <sup>12</sup> OR Manufacturing Materials <sup>12</sup>	3		Adult	
INMT 1417	Industrial Automation <sup>12</sup>	4		Adult	
HYDR 1445	Hydraulics and Pneumatics <sup>12</sup>	4		Adult	
ELMT 2339	Advanced Programmable Logic Controllers <sup>12</sup>	3		Adult	
INMT 2303	Pumps, Compressors & Mechanical Drives <sup>12</sup>	3		Adult	
INMT 1381	Cooperative Education – Manufacturing Technology/Technician <sup>12</sup>	3		Adult	
<b>TOTAL WECM HOURS</b>		<b>45 (Certificate Earned)</b>			
<b>ACGM Courses – 15 Total Hours</b>					
ENGL 1301	Composition I <sup>1</sup>	3		12 or *EA	
SPCH 1315	Public Speaking <sup>9</sup>	3		10,11,12 or *EA	
XXXX x3xx OR EDUC/PSYC 1300	Social Science Elective <sup>8</sup> OR Learning Framework <sup>9</sup>	3		9,10,11,12 or *EA	Grade level pending course
XXXX x3xx	College Level Math or Natural Science <sup>2 or 3</sup>	3		12 or *EA	
XXXX x3xx	Visual Performing Arts Course <sup>5</sup>	3		*EA	
<b>TOTAL ACGM HOURS</b>		<b>15</b>			
<b>Total Credit Hours</b>		<b>60</b>			

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

<p><b>1</b> <b>Communication Block (010):</b> Complete each of the following: ENGL 1301 <b>and</b> ENGL 1302 or 2311</p>	<p><b>2</b> <b>Mathematics Block (020):</b> Complete one of the following: MATH 1314, 1316, 1324, 1325, 1332, 1350, 1442, 2412, or 2413</p>
<p><b>3</b> <b>Life &amp; Physical Sciences Block (030):</b> 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</p>	<p><b>4</b> <b>Language, Philosophy, &amp; Culture Block (040):</b> Complete one of the following: ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2341; HIST 2321, 2322; PHIL 2306</p>
<p><b>5</b> <b>Creative Arts Block (050):</b> Complete one of the following: ARTS 1301, 1310; DRAM 1310, 2366; MUSI 1306</p>	<p><b>6</b> <b>American History Block (060):</b> Complete each of the following: HIST 1301 <b>and</b> 1302</p>
<p><b>7</b> <b>Government/Political Science Block (070):</b> Complete each of the following: GOVT 2305 <b>and</b> 2306</p>	<p><b>8</b> <b>Social &amp; Behavioral Sciences Block (080):</b> Complete one of the following: COMM 1307; ECON 2301, 2302; GEOG 1303; PSYC 2301, 2308, 2314; SOCI 1301</p>
<p><b>9</b> <b>Component Area Option Block (090): 9A: Choose one from the following:</b> SPCH 1315; SPCH 1318; SPCH 1321 <b>OR</b> any courses in Component Areas (010), (020), (030), (040), (050), &amp; (080) that are not used to fulfill another core requirement except MATH 2413, which is listed below.</p> <p><b>AND</b></p> <p><b>9B: Choose one from the following:</b> BCIS 1305; MATH 2413; PSYC/EDUC 1300</p>	<p><b>10</b> <b>Lab Science Course</b> Choose a lab science course that corresponds to the Life &amp; 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</p>
<p><b>11</b> <b>Elective Option:</b> Choose any college level course</p>	<p><b>12</b> <b>Degree Requirement</b> This course is required for this particular degree</p>

### 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>