# Texarkana College

**Liberty-Eylau High School Early Enrollment Pathway Plan**

## Associate of Applied Science Degree
**Major: Instrumentation/Robotics**

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 | Courses Title | Credit Hours | Grade Level Completed | Grade Level Course is Available | Comments/Planning |
|---|---|---|---|---|---|
| **WECM Courses - 42 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** | | 12 | |
| ELPT 1325 | **National Electrical Code I[12]** | **3** | | 12 | |
| LEAD 1100 | **Workforce Developmental w/ Critical Thinking[12]** | **1** | | Adult | |
| CETT 1307 | **Fundamentals of Electronics[12]** | **3** | | Adult | |
| INTC 1405 | **Introduction to Instrumentation[12]** | **4** | | Adult | |
| RBTC 1401 | **Programmable Logic Controllers[12]** | **4** | | Adult | |
| RBTC 1305 | **Robotic Fundamentals[12]** | **3** | | Adult | |
| INTC 1443 | **Application of Industrial Automatic Controls[12]** | **4** | | Adult | |
| RBTC 2345 | **Robot Application, Set-up, and Testing[12]** | **3** | | Adult | |
| INTC 1457 | **AC/DC Motor Control[12]** | **4** | | Adult | |
| ELMT 2339 | **Advanced Programmable Logic Controllers[12]** | **3** | | Adult | |
| | **TOTAL WECM HOURS** | **42** | **(Certificate Earned)** | | |
| **ACGM Courses – 18 Total Hours** | | | | | |
| MATH 1314 **OR** MATH x3xx | College Algebra (Calculus Prep) [2] **OR** College Level Math | 3 | | 11, 12 or *EA | |
| SPCH 1315 | Public Speaking[9] | 3 | | 9, 10, 11, 12 or *EA | |
| ENGL 1301 | Composition I [1] | 3 | | 12 or *EA | |
| XXXX x3xx | Social Science Elective [8] | 3 | | 9, 10, 11, 12 or *EA | |
| XXXX x3xx | Creative Arts Elective [5] | 3 | | 9, 10, 11, 12 or *EA | |
| BCIS 1305 | Business Computer Applications [9] | 3 | | *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.

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|---|---|---|---|
| 1 | **Communication Block (010):** <br> *Complete each of the following: ENGL 1301 **and** ENGL 1302 or 2311* | 2 | **Mathematics Block (020):** <br> *Complete one of the following: MATH 1314, 1316, 1324, 1325, 1332, 1350, 1442, 2412, or 2413* |
| 3 | **Life & Physical Sciences Block (030):** <br> *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):** <br> *Complete one of the following: ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2341; HIST 2321, 2322; PHIL 2306* |
| 5 | **Creative Arts Block (050):** <br> *Complete one of the following: ARTS 1301, 1310; DRAM 1310, 2366; MUSI 1306* | 6 | **American History Block (060):** <br> *Complete each of the following: HIST 1301 **and** 1302* |
| 7 | **Government/Political Science Block (070):** <br> *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:** <br> *SPCH 1315; SPCH 1318; SPCH 1321* <br> ***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.* <br><br> ***AND*** <br><br> ***9B: Choose one from the following:*** <br> *BCIS 1305; MATH 2413; PSYC/EDUC 1300* | 10 | **Lab Science Course** <br> *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:** <br> *Choose any college level course* | 12 | **Degree Requirement** <br> *This course is required for this particular degree* |

**LEARNING OUTCOMES/MARKETABLE SKILLS**

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

**EDUCATIONAL OPPORTUNITIES**

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

**CAREER OPPORTUNITIES**

Electro-Mechanical Technicians | Commercial/Industrial Electrical & Electronics Repairs | Calibration Technicians | Instrumentation Technicians

**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