



# Texarkana College

## Redwater High School Early Enrollment Pathway Plan

### Associate of Science Degree

Major: Biology

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: \_\_\_\_\_

| TC Course   | Course Title                                    | Credit Hours | Grade Level Completed | Grade Level Course is Available | Comments/Planning          |
|---|---|--------------|-----------------------|---------------------------------|----------------------------|
| <b>CORE COURSES- 42 Total Hours</b>                                       |   |              |                       |                                 |                            |
| ENGL 1301   | Composition I <sup>1</sup>                      | 3            |                       | 12 or *EA                       |                            |
| ENGL 1302   | Composition II <sup>1</sup>                     | 3            |                       | 12 or *EA                       |                            |
| ENGL 2311   | Technical & Business Writing <sup>1</sup>       | 3            |                       | 12 or *EA                       |                            |
| MATH 1314   | College Algebra (Calculus Prep) <sup>2</sup>    | 3            |                       | 11, 12 or *EA                   | Grade level pending course |
| MATH 1442   | Elementary Statistical Methods <sup>2</sup>     | 3            |                       | 11, 12 or *EA                   |                            |
| MATH 2413   | Calculus I <sup>2</sup>                         | 3            |                       | 11, 12 or *EA                   |                            |
| HIST 1301   | United States History I <sup>6</sup>            | 3            |                       | 11 or *EA                       |                            |
| HIST 1302   | United States History II <sup>6</sup>           | 3            |                       | 11 or *EA                       |                            |
| ARTS 1301   | Art Appreciation <sup>5</sup>                   | 3            |                       | 11, 12 or *EA                   |                            |
| DRAM 1310   | Theatre Appreciation <sup>5</sup>               | 3            |                       | 11, 12 or *EA                   |                            |
| DRAM 2366   | Development of the Motion Picture <sup>5</sup>  | 3            |                       | 11, 12 or *EA                   |                            |
| MUSI 1306   | Music Appreciation <sup>5</sup>                 | 3            |                       | 11, 12 or *EA                   |                            |
| PSYC 2301/2308  | General/Child Psych <sup>8</sup>                | 3            |                       | *EA                             |                            |
| PSYC 2314   | Lifespan Growth & Development <sup>8</sup>      | 3            |                       | *EA                             |                            |
| SOCI 1301   | Introductory Sociology <sup>8</sup>             | 3            |                       | *EA                             |                            |
| SPCH 1315   | Public Speaking <sup>9</sup>                    | 3            |                       | 11, 12 or *EA                   |                            |
| ENGL 2327/2328  | American Literature I/II <sup>4</sup>           | 3            |                       | *EA                             |                            |
| ENGL 2332/2333  | World Literature I/II <sup>4</sup>              | 3            |                       | *EA                             |                            |
| HIST 2321/2322  | World Civilizations I/II <sup>4</sup>           | 3            |                       | *EA                             |                            |
| PHIL 2306   | Introduction to Ethics <sup>4</sup>             | 3            |                       | *EA                             |                            |
| GOVT 2305   | Federal Government <sup>7</sup>                 | 3            |                       | *EA                             |                            |
| GOVT 2306   | Texas Government <sup>7</sup>                   | 3            |                       | *EA                             |                            |
| BIOL 1306   | Biology for Science Majors I <sup>3</sup>       | 3            |                       | *EA                             |                            |
| BIOL 1307   | Biology for Science Majors II <sup>3</sup>      | 3            |                       | *EA                             |                            |
| EDUC/PSYC 1300  | Learning Frameworks <sup>9</sup>                | 3            |                       | *EA                             |                            |
| <b>TOTAL CORE HOURS</b>   |   | <b>42</b>    |                       |                                 |                            |
| <b>ADDITIONAL COURSES FOR DEGREE – 18 Total Hours {continued on back}</b> |   |              |                       |                                 |                            |
| BIOL 1106   | Biology for Science Majors I Lab <sup>12</sup>  | 1            |                       | *EA                             |                            |
| BIOL 1107   | Biology for Science Majors II Lab <sup>12</sup> | 1            |                       | *EA                             |                            |
| CHEM 1311   | General Chemistry I <sup>12</sup>               | 3            |                       | *EA                             |                            |
| CHEM 1111   | General Chemistry I Lab <sup>12</sup>           | 1            |                       | *EA                             |                            |
| CHEM 1312   | General Chemistry II <sup>12</sup>              | 3            |                       | *EA                             |                            |
| CHEM 1112   | General Chemistry II Lab <sup>12</sup>          | 1            |                       | *EA                             |                            |

|                             |   |   |           |  |     |              |
|-----------------------------|---|---|-----------|--|-----|--------------|
| Pick One                    | *CHEM 2323/2123<br>PHYS 1301/1101<br>PHYS 2325/2125 | Organic Chemistry I Lecture/Lab <sup>12</sup><br>College Physics I Lecture/Lab<br>University Physics I Lecture/Lab    | 4         |  | *EA | *Recommended |
| Pick One                    | *CHEM 2325/2125<br>PHYS 1302/1102<br>PHYS 2326/2126 | Organic Chemistry II Lecture/Lab <sup>12</sup><br>College Physics II Lecture/Lab<br>University Physics II Lecture/Lab | 4         |  | *EA | *Recommended |
| <b>TOTAL NON-CORE HOURS</b> |   |   | <b>18</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

|    |  |    |   |
|----|--|----|---|
| 1  | <b>Communication Block (010):</b><br>Complete each of the following: ENGL 1301 <b>and</b> ENGL 1302 or 2311  | 2  | <b>Mathematics Block (020):</b><br>Complete one of the following: MATH 1314, 1316, 1324, 1325, 1332, 1350, 1442, 2412, or 2413  |
| 3  | <b>Life &amp; Physical Sciences Block (030):</b><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  | <b>Language, Philosophy, &amp; Culture Block (040):</b><br>Complete one of the following: ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2341; HIST 2321, 2322; PHIL 2306   |
| 5  | <b>Creative Arts Block (050):</b><br>Complete one of the following: ARTS 1301, 1310; DRAM 1310, 2366; MUSI 1306  | 6  | <b>American History Block (060):</b><br>Complete each of the following: HIST 1301 <b>and</b> 1302   |
| 7  | <b>Government/Political Science Block (070):</b><br>Complete each of the following: GOVT 2305 <b>and</b> 2306  | 8  | <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   |
| 9  | <b>Component Area Option Block (090): 9A: Choose one from the following:</b><br>SPCH 1315; SPCH 1318; SPCH 1321<br><b>OR</b> 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><b>AND</b><br><b>9B: Choose one from the following:</b><br>BCIS 1305; MATH 2413; PSYC/EDUC 1300 | 10 | <b>Lab Science Course</b><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 | <b>Elective Option:</b><br>Choose any college level course   | 12 | <b>Degree Requirement</b><br>This course is required for this particular degree   |

#### LEARNING OUTCOMES/MARKETABLE SKILLS

Critical Thinking | Teamwork | Communication | Empirical & Quantitative Reasoning | Technical Proficiency | Numeracy | Organization | Self-Discipline | Time Management | Leadership

#### EDUCATIONAL OPPORTUNITIES

B.S. Biology | B.S. Science Education | B.S. Environmental Chemistry | B.S. Medical Technology | B.S. Forensic Science

#### CAREER OPPORTUNITIES

Microbiologist | Physician's Assistant | Medical Doctor | Dentist | Pharmacist | Nature Conservation Officer | Zoologist

#### HIGH SCHOOL ENDORSEMENTS

STEM | Public Health | Business & Industry | Multi-Disciplinary

#### LINKS TO COLLEGES & PROFESSIONAL ORGANIZATIONS:

Texas A&M Texarkana Department of Biology: <http://www.tamut.edu/Academics/Colleges-and-Departments/STEM/Biology/index.html>

Stephen F. Austin State University Department of Biology: <http://www.sfasu.edu/biology/>

University of North Texas Department of Biology: <https://biology.unt.edu/>

Southern Arkansas University Department of Biological Sciences: <https://web.saumag.edu/academics/program/biological-sciences/>

Henderson State University Department of Biology: <http://www.hsu.edu/Biology/index.html>

American Institute of Biological Sciences: <https://www.aibs.org/home/index.html>

TC does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs or activities. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Human Resources Director, 2500 N. Robison Rd., Texarkana, TX, 75599, (903) 823-3017, [human.resources@texarkanacollege.edu](mailto:human.resources@texarkanacollege.edu)