



# Texarkana College

## Pleasant Grove High School Early Enrollment Pathway Plan

### Associate of Science Degree

Major: Mathematics

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   | Courses 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            |                       | 11, 12 or *EA                   |   |
| ENGL 1302<br>OR<br>ENGL 2311                          | Composition II <sup>1</sup><br>OR<br>Technical & Business Writing <sup>1</sup>   | 3            |                       | 11, 12 or *EA                   |   |
| MATH 1316   | Plane Trigonometry <sup>2</sup>  | 3            |                       | 10, 11, 12 or *EA               |   |
| HIST 1301   | United States History I <sup>6</sup>   | 3            |                       | 11, 12 or *EA                   |   |
| HIST 1302   | United States History II <sup>6</sup>  | 3            |                       | 11, 12 or *EA                   |   |
| XXXX xxxx   | Creative Arts Elective <sup>5</sup>  | 3            |                       | 9, 10, 11, 12 or *EA            | Grade level pending course  |
| XXXX xxxx   | Social & Behavioral Science <sup>8</sup>   | 3            |                       | 10, 11, 12 or *EA               |   |
| SPCH 1315<br>OR<br>SPCH 1321                          | Public Speaking <sup>9</sup><br>OR<br>Business & Professional Speaking <sup>9</sup>  | 3            |                       | 10, 11, 12 or *EA               |   |
| XXXX xxxx   | ENGL 2327/2328 American Literature I/II <sup>4</sup><br>ENGL 2332/2333 World Literature I/II <sup>4</sup><br>HIST 2321/2322 World Civilizations I/II <sup>4</sup><br>PHIL 2306 Introduction to Ethics <sup>4</sup> | 3            |                       | 12 or *EA                       |   |
| GOVT 2305   | Federal Government <sup>7</sup>  | 3            |                       | 12 or *EA                       |   |
| GOVT 2306   | Texas Government <sup>7</sup>  | 3            |                       | *EA                             |   |
| XXXX xxxx   | Life & Physical Sciences <sup>3</sup>  | 3            |                       | 11, 12 or *EA                   |   |
| XXXX xxxx   | Life & Physical Sciences <sup>3</sup>  | 3            |                       | 11, 12 or *EA                   |   |
| EDUC/PSYC 1300  | Learning Frameworks <sup>9</sup>   | 3            |                       | 11, 12 or *EA                   | Offered at PG Fall 2  |
| <b>TOTAL CORE HOURS</b>                               |  | <b>42</b>    |                       |                                 |   |
| <b>ADDITIONAL COURSES FOR DEGREE – 18 Total Hours</b> |  |              |                       |                                 |   |
| XXXX xxxx   | Life & Physical Sciences Lab <sup>10</sup>   | 1            |                       | 11, 12 or *EA                   |   |
| XXXX xxxx   | Life & Physical Sciences Lab <sup>10</sup>   | 1            |                       | 11, 12 or *EA                   |   |
| MATH 2413   | Calculus I <sup>12</sup>   | 4            |                       | 11, 12 or *EA                   |   |
| MATH 2414   | Calculus II <sup>12</sup>  | 4            |                       | *EA                             |   |
| *MATH xxxx  | *MATH 2318 Linear Algebra <sup>12</sup><br>*MATH 2320 Differential Equations <sup>12</sup><br>MATH 2415 Calculus III <sup>12</sup>   | *3+1/<br>4   |                       | *EA                             |   |
| BCIS 1305<br>OR<br>XXXX xxxx                          | Business Computer Applications <sup>9</sup><br>OR<br>Any other core course <sup>12</sup>   | 3            |                       | 10, 11, 12 or *EA<br>#          | Grade level pending course  |
| XXXX xxxx   | Any Elective <sup>11</sup>   | 1            |                       | #                               |   |
| *XXXX xxxx  | *Free Elective <sup>11</sup>   | *1           |                       | #                               | <i>*Additional 1 SCH Free Elective Required only if a 3 SCH MATH course is selected in final semester</i> |
| <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. #DC/EA course(s) not used to fulfill degree requirements. Grade levels for DC vary by course.

## Explanation for Superscripts

|           |  |           |   |
|-----------|--|-----------|---|
| <b>1</b>  | <b>Communication Block (010):</b><br>Complete each of the following: ENGL 1301 <b>and</b> ENGL 1302 or 2311  | <b>2</b>  | <b>Mathematics Block (020):</b><br>Complete one of the following: MATH 1314, 1316, 1324, 1325, 1332, 1350, 1442, 2412, or 2413  |
| <b>3</b>  | <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  | <b>4</b>  | <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   |
| <b>5</b>  | <b>Creative Arts Block (050):</b><br>Complete one of the following: ARTS 1301, 1310; DRAM 1310, 2366; MUSI 1306  | <b>6</b>  | <b>American History Block (060):</b><br>Complete each of the following: HIST 1301 <b>and</b> 1302   |
| <b>7</b>  | <b>Government/Political Science Block (070):</b><br>Complete each of the following: GOVT 2305 <b>and</b> 2306  | <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   |
| <b>9</b>  | <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 | <b>10</b> | <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 |
| <b>11</b> | <b>Elective Option:</b><br>Choose any college level course   | <b>12</b> | <b>Degree Requirement</b><br>This course is required for this particular degree   |

### LEARNING OUTCOMES/MARKETABLE SKILLS

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

### EDUCATIONAL OPPORTUNITIES

B.A. Business | B.S. Math Education | B.A. Marketing | B.S. Engineering | B.S. Mathematics | B.S. CIS | B.S. Statistics | B.S. Computer Science

### CAREER OPPORTUNITIES (B.S. or Higher)

Financial Analyst | Actuary | Accountant | Data Analyst | Statistician | Math Teacher

### HIGH SCHOOL ENDORSEMENTS

STEM | Business & Industry | Multi-Disciplinary

### LINKS TO COLLEGES & PROFESSIONAL ORGANIZATIONS:

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

Stephen F. Austin State University Department of Mathematics: <http://www2.sfasu.edu/math/>

University of North Texas Department of Mathematics: <http://math.unt.edu/>

Southern Arkansas University Department of Mathematics and Computer Science: <https://web.saumag.edu/directory/departments/college-of-science-technology/mathematics-computer-science/>

National Association of Mathematicians: <http://www.nam-math.org/>