



Texarkana College

James Bowie 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
CORE COURSES- 42 Total Hours					
ENGL 1301	Composition I ¹	3		12 or *EA	
ENGL 1302	Composition II ¹	3		12 or *EA	
ENGL 2311	Technical & Business Writing ¹	3		12 or *EA	
MATH 1314	College Algebra (Calculus Prep) ²	3		12 or *EA	
MATH 1442	Elementary Statistical Methods ²	3		12 or *EA	
MATH 2413	Calculus I ²	3		12 or *EA	
HIST 1301	United States History I ⁶	3		11, 12 or *EA	
HIST 1302	United States History II ⁶	3		11, 12 or *EA	
ARTS 1301	Art Appreciation ⁵	3		10, 11, 12 or *EA	
DRAM 1310	Theatre Appreciation ⁵	3		10, 11, 12 or *EA	
DRAM 2366	Development of the Motion Picture ⁵	3		10, 11, 12 or *EA	
MUSI 1306	Music Appreciation ⁵	3		10, 11, 12 or *EA	
PSYC 2301/2308	General/Child Psych ⁸	3		11, 12 or *EA	
PSYC 2314	Lifespan Growth & Development ⁸	3		11, 12 or *EA	
SOCI 1301	Introductory Sociology ⁸	3		11, 12 or *EA	
SPCH 1315	Public Speaking ⁹	3		11, 12 or *EA	
ENGL 2327/2328	American Literature I/II ⁴	3		*EA	
ENGL 2332/2333	World Literature I/II ⁴	3		*EA	
HIST 2321/2322	World Civilizations I/II ⁴	3		*EA	
PHIL 2306	Introduction to Ethics ⁴	3		*EA	
GOVT 2305	Federal Government ⁷	3		12 or *EA	
GOVT 2306	Texas Government ⁷	3		*EA	
BIOL 1306	Biology for Science Majors I ³	3		*EA	
BIOL 1307	Biology for Science Majors II ³	3		*EA	
EDUC/PSYC 1300	Learning Frameworks ⁹	3		10, 11, 12 or *EA	
TOTAL CORE HOURS		42			
ADDITIONAL COURSES FOR DEGREE – 18 Total Hours {continued on back}					
BIOL 1106	Biology for Science Majors I Lab ¹²	1		*EA	
BIOL 1107	Biology for Science Majors II Lab ¹²	1		*EA	
CHEM 1311	General Chemistry I ¹²	3		*EA	
CHEM 1111	General Chemistry I Lab ¹²	1		*EA	
CHEM 1312	General Chemistry II ¹²	3		*EA	
CHEM 1112	General Chemistry II Lab ¹²	1		*EA	

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

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