



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 _____

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		11, 12 or *EA	
ENGL 1302	Composition II ¹	3		11, 12 or *EA	
ENGL 2311	Technical & Business Writing ¹				
MATH 1314	College Algebra (Calculus Prep) ²	3		12 or *EA	
MATH 1442	Elementary Statistical Methods ²				
MATH 2413	Calculus I ²				
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				
DRAM 2366	Development of the Motion Picture ⁵				
MUSI 1306	Music Appreciation ⁵				
PSYC 2301/2308	General/Child Psych ⁸	3		11, 12 or *EA	
PSYC 2314	Lifespan Growth & Development ⁸				
SOCI 1301	Introductory Sociology ⁸				
SPCH 1315	Public Speaking ⁹	3		11, 12 or *EA	
ENGL 2327/2328	American Literature I/II ⁴	3		11, 12 or *EA	
ENGL 2332/2333	World Literature I/II ⁴				
HIST 2321/2322	World Civilizations I/II ⁴				
PHIL 2306	Introduction to Ethics ⁴				
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>