## LIST OF COURSES

**Creative Arts Core**
- CHEM 1311/1111 - General Chemistry I/lab
- CHEM 1312/1112 - General Chemistry II/lab
- CHEM 2323/2123 - Organic Chem I/lab
- CHEM 2325/2125 - Organic Chem II/lab
- ENGL 1301 - Composition I
- ENGL 1302 - Composition II

**Language, Philosophy, Culture Core**
- GOVT 2305 - Federal Government
- GOVT 2306 - Texas Government
- HIST 1301 - US History I
- HIST 1302 - US History II
- MATH 2413 - Calculus I
- PHYS 1301/1101 - College Physics 1/lab (or other)
- PHYS 1302/1102 - College Physics II/lab (or other)
- PSYC 1300 of Learning
- PSYC 2301 - General Psychology (or other)
- SPCH 1315 - Public Speaking

**ENGL 1301**
- Composition I

**CHEM 1311/1111**
- General Chemistry I/lab

**CHEM 1312/1112**
- General Chemistry II/lab

**CHEM 2323/2123**
- Organic Chemistry I/lab

**CHEM 2325/2125**
- Organic Chemistry II/lab

**ENGL 1301**
- Composition I

**ENGL 1302**
- Composition II

**GOVT 2305**
- Federal Government

**GOVT 2306**
- Texas Government

**HIST 1301**
- US History I

**HIST 1302**
- US History II

**MATH 2413**
- Calculus I

**PHYS 1301/1101**
- College Physics I/lab (or other)

**PHYS 1302/1102**
- College Physics II/lab (or other)

**PSYC 1300**
- Of Learning

**PSYC 2301**
- General Psychology (or other)

**SPCH 1315**
- Public Speaking

**LEARNING OUTCOMES/MARKETABLE SKILLS**
- Critical Thinking
- Teamwork
- Communication
- Empirical & Quantitative Reasoning
- Technical Proficiency
- Numeracy
- Organization
- Self-Discipline
- Time Management
- Leadership
- Independent Learning Skills

**EDUCATIONAL OPPORTUNITIES**
- B.S. Chemistry
- B.S. Science Education
- B.S. Environmental Chemistry
- B.S. Medical Technology
- B.S. Forensic Science
- B.S. Biology
- B.S. Biochemistry
- B.S. Chemical Engineering

**CAREER OPPORTUNITIES**
- (B.S. or Higher)
  - Analytical Chemist
  - Chemical Engineer
  - Clinical Biochemist
  - Forensic Scientist
  - Pharmacologist
  - Chemistry Teacher

**HIGH SCHOOL ENDORSEMENTS**
- STEM
- Public Health
- Business & Industry
- Multi-Disciplinary

**LINKS TO COLLEGES & PROFESSIONAL ORGANIZATIONS:**
- Texas A&M Texarkana Department of Chemistry: http://www.tamut.edu/Academics/Colleges-and-Departments/STEM/Chemistry/index.html
- Stephen F. Austin State University Department of Chemistry and Biochemistry: http://www.sfasu.edu/chemistry/
- University of North Texas Department of Chemistry: https://chemistry.unt.edu/
- Southern Arkansas University Department of Chemistry and Biochemistry: https://web.saumag.edu/science/biochemistry-chemistry/
- American Chemical Society: https://www.acs.org/content/acs/en.html

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**Start Smart. Finish Strong.**

2019-2020
<table>
<thead>
<tr>
<th>Component Area &amp; Number</th>
<th>SCH</th>
<th>Courses to Choose From:</th>
</tr>
</thead>
</table>
| (010) Communication     | 6   | ENGL 1301: Composition I (3)  
|                         |     | ENGL 1302: Composition II (3)  
|                         |     | or  
|                         |     | ENGL 2311: Technical & Business Writing (3)  
| (020) Mathematics       | 3   | MATH 1314: College Algebra (3)  
|                         |     | MATH 1316: Plane Trigonometry (3)  
|                         |     | MATH 1324: Finite Math (3)  
|                         |     | MATH 1325: Calculus for Business & Social Science (3)  
|                         |     | MATH 1332: Math for Liberal Arts (3)  
|                         |     | MATH 1350: Fundamentals of Math I (3)  
|                         |     | MATH 1442: Elementary Statistical Methods (4)  
|                         |     | MATH 2412: Pre-Calculus (4)  
|                         |     | MATH 2413: Calculus I (4)  
| (030) Life & Physical Sciences | 6   | BIOL 1322: Nutrition & Diet Therapy (3)  
|                         |     | BIOL 1306: Biology for Science Majors I (3)  
|                         |     | BIOL 1307: Biology for Science Majors II (3)  
|                         |     | BIOL 1308: Biology for Non-Science Majors I (3)  
|                         |     | BIOL 1309: Biology for Non-Science Majors II (3)  
|                         |     | BIOL 1311: General Biology (3)  
|                         |     | BIOL 1313: General Zoology (3)  
|                         |     | BIOL 2301: Anatomy & Physiology I (3)  
|                         |     | BIOL 2302: Anatomy & Physiology II (3)  
|                         |     | BIOL 2306: Environmental Biology (3)  
|                         |     | BIOL 2320: Microbiology for Non-Science Majors (3)  
|                         |     | BIOL 2321: Microbiology for Science Majors (3)  
|                         |     | CHEM 1305: Introductory Chemistry I (3)  
|                         |     | CHEM 1311: General Chemistry I (3)  
|                         |     | CHEM 1312: General Chemistry II (3)  
|                         |     | CHEM 1419: Introductory Organic and Biochemistry (4)  
|                         |     | GEOG 1303: Earth Science (3)  
|                         |     | PHYS 1301: College Physics I (3)  
|                         |     | PHYS 1303: Stars & Galaxies (3)  
|                         |     | PHYS 1304: Solar System (3)  
|                         |     | PHYS 1315: Physical Science I (3)  
|                         |     | PHYS 2325: University Physics I (3)  
| (040) Language, Philosophy & Culture | 3   | ENGL 2322 British Literature I (3)  
|                         |     | ENGL 2323 British Literature II (3)  
|                         |     | ENGL 2327 American Literature I (3)  
|                         |     | ENGL 2328 American Literature II (3)  
|                         |     | ENGL 2332 World Literature I (3)  
|                         |     | ENGL 2333 World Literature II (3)  
|                         |     | ENGL 2341 Forms in Literature (3)  
|                         |     | HIST 2321 World Civilizations I (3)  
|                         |     | HIST 2322 World Civilizations II (3)  
|                         |     | MUSI 1306: Music Appreciation (3)  
| (050) Creative Arts     | 3   | ARTS 1301: Art Appreciation (3)  
|                         |     | DRAM 1310: Introduction to Theater (3)  
|                         |     | DRAM 2366: Development of the Motion Picture I (3)  
|                         |     | MUSI 1306: Music Appreciation (3)  
| (060) American History  | 6   | HIST 1301: United States History I (3)  
|                         |     | HIST 1302: United States History II (3)  
| (070) Government/Political Science | 6   | GOVT 2305: Federal Government (3)  
|                         |     | GOVT 2306: Texas Government (3)  
| (080) Social & Behavioral Sciences | 3   | COMM 1307: Introduction to Mass Communication (3)  
|                         |     | GEOG 1303: World Regional Geography (3)  
|                         |     | PSYC 2301: General Psychology (3)  
|                         |     | PSYC 2308: Child Psychology (3)  
|                         |     | PSYC 2314: Lifespan Growth & Development (3)  
|                         |     | SOC 1301: Introductory Sociology (3)  
|                         |     | ECON 2301: Principles of Macroeconomics (3)  
|                         |     | ECON 2302: Principles of Microeconomics (3)  
| (090) Component Area Option| 6   | Choose one Speech Course (3 SCH)  
|                         |     | SPCH 1315: Public Speaking (3)  
|                         |     | SPCH 1316: Interpersonal Communication (3)  
|                         |     | SPCH 1321: Business & Professional Speaking (3)  
|                         |     | Choose 3 SCH from the following:  
|                         |     | BCIS 1305: Business Computer Applications (3)  
|                         |     | MATH 2413: Calculus I (4)  
|                         |     | PSYC 1300/EDUC 1300 Learning Frameworks (3)  
|                         |     | The following are labs that should be taken with lecture courses for those needing 8 SCH of Life & Physical Sciences for a degree:  
|                         |     | BIOL 1106: Biology for Science Majors I (lab) (1)  
|                         |     | BIOL 1107: Biology for Science Majors II (lab) (1)  
|                         |     | BIOL 1108: Biology for Non-Science Majors I (lab) (1)  
|                         |     | BIOL 1109: Biology for Non-Science Majors II (lab) (1)  
|                         |     | BIOL 1111: General Botany (lab) (1)  
|                         |     | BIOL 1113: General Zoology (lab) (1)  
|                         |     | BIOL 2101: Anatomy & Physiology I (lab) (1)  
|                         |     | BIOL 2102: Anatomy & Physiology II (lab) (1)  
|                         |     | BIOL 2120: Microbiology for Non-Science Majors (lab) (1)  
|                         |     | BIOL 2321: Microbiology for Science Majors (lab) (1)  
|                         |     | CHEM 1305: Introductory Chemistry I (lab) (1)  
|                         |     | CHEM 1311: General Chemistry I (lab) (1)  
|                         |     | CHEM 1312: General Chemistry II (lab) (1)  
|                         |     | PHYS 1301: College Physics I (lab) (1)  
|                         |     | PHYS 1303: Stars & Galaxies (lab) (1)  
|                         |     | PHYS 1304: Solar System (lab) (1)  
|                         |     | PHYS 1315: Physical Science I (lab) (1)  
|                         |     | PHYS 2325: University Physics I (lab) (1)  
| Total Minimum Requirements | 42  | 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  
|                         |     | TEXARKANA COLLEGE  
|                         |     | 2500 N. Robison Rd. | Texarkana, TX 75599 | texarkanacollege.edu | 903.823.3456  
|                         |     | This page is a partial list of Texarkana College Core Curriculum and only contains 2/3 of the courses. For additional information, please visit texarkanacollege.edu.