



TEXARKANA COLLEGE

Math | Associate of Science

Dr. Catherine Howard | Dean of STEM | catherine.howard@texarkanacollege.edu | 903.823.3285

LIST OF COURSES

Creative Arts Core *

BCIS 1305 - Business Computer Applications

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 1316 - Trigonometry

MATH 2413 - Calculus I

MATH 2414 - Calculus II

MATH 2415 - Calculus III

PSYC 1300 - Learning Frameworks

PSYC 2301 (or other)

Science Core + lab

SPCH 1315 - Public Speaking

1 hr elective

YEAR 1	YEAR 2
FALL	FALL
ENGL 1301	**ENGL 2327 or 2328 or 2332 or 2333 OR HIST 2321 or 2322
Core Science + Lab	GOVT 2305
HIST 1301	BCIS 1305
PSYC 1300	MATH 2414
MATH 1316	
SPRING	SPRING
ENGL 1302	GOVT 2306
Core Science + Lab	PSYC 2301 or 2308 or 2314 or SOCI 1301
HIST 1302	1 Hour Elective
SPCH 1315	*ARTS 1301 or DRAM 1310 or 2366 or MUSI 1306
MATH 2413	MATH 2415

Consult the catalog of the four-year institution to which you intend to transfer.

LEARNING OUTCOMES/MARKETABLE SKILLS

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

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/>

Start Smart. Finish Strong.

Texarkana College Core Curriculum

Component Area & Number	SCH	Courses to Choose From:		
(010) Communication	6	ENGL 1201: Composition I (3) ENGL 1202: Composition II (3) or ENGL 2211: Technical & Business Writing (3)		
(020) Mathematics	3	MATH 1214: College Algebra (3) MATH 1216: Plane Trigonometry (3) MATH 1224: Finite Math (3) MATH 1225: Calculus for Business & Social Science (3) MATH 1232: Math for Liberal Arts (3) MATH 1250: Fundamentals of Math I (3) MATH 1442: Elementary Statistical Methods (4) MATH 2412: Pre-Calculus (4) MATH 2413: Calculus I (3)		
(030) Life & Physical Sciences	6	<table border="0" style="width: 100%;"> <tr> <td style="vertical-align: top; width: 50%;"> BIOL 1202: 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 2307: Anatomy & Physiology I (3) BIOL 2308: Anatomy & Physiology II (3) BIOL 2309: Embryology & Histology (3) BIOL 2310: Microbiology for Non-Science Majors (3) </td> <td style="vertical-align: top; width: 50%;"> BIOL 2321: Microbiology for Science Majors (3) CHEM 1306: Introductory Chemistry I (3) CHEM 1311: General Chemistry I (3) CHEM 1312: General Chemistry II (3) CHEM 1307: Introductory Chemistry II (3) CHEM 1308: Physical Geology (3) PHYS 1207: College Physics I (3) PHYS 1208: Stone & Galileo (3) PHYS 1204: Bohr System (3) PHYS 1216: Physical Science I (3) PHYS 2202: Relativity Physics I (3) </td> </tr> </table>	BIOL 1202: 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 2307: Anatomy & Physiology I (3) BIOL 2308: Anatomy & Physiology II (3) BIOL 2309: Embryology & Histology (3) BIOL 2310: Microbiology for Non-Science Majors (3)	BIOL 2321: Microbiology for Science Majors (3) CHEM 1306: Introductory Chemistry I (3) CHEM 1311: General Chemistry I (3) CHEM 1312: General Chemistry II (3) CHEM 1307: Introductory Chemistry II (3) CHEM 1308: Physical Geology (3) PHYS 1207: College Physics I (3) PHYS 1208: Stone & Galileo (3) PHYS 1204: Bohr System (3) PHYS 1216: Physical Science I (3) PHYS 2202: Relativity Physics I (3)
BIOL 1202: 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 2307: Anatomy & Physiology I (3) BIOL 2308: Anatomy & Physiology II (3) BIOL 2309: Embryology & Histology (3) BIOL 2310: Microbiology for Non-Science Majors (3)	BIOL 2321: Microbiology for Science Majors (3) CHEM 1306: Introductory Chemistry I (3) CHEM 1311: General Chemistry I (3) CHEM 1312: General Chemistry II (3) CHEM 1307: Introductory Chemistry II (3) CHEM 1308: Physical Geology (3) PHYS 1207: College Physics I (3) PHYS 1208: Stone & Galileo (3) PHYS 1204: Bohr System (3) PHYS 1216: Physical Science I (3) PHYS 2202: Relativity Physics I (3)			
(040) Language, Philosophy & Culture	3	ENGL 2202: British Literature I (3) ENGL 2203: British Literature II (3) ENGL 2207: American Literature I (3) ENGL 2208: American Literature II (3) ENGL 2202: World Literature I (3) ENGL 2203: World Literature II (3) ENGL 2241: Issues in Literature (3) WEST 2221: World Civilizations I (3) WEST 2222: World Civilizations II (3) PHIL 2203: Introduction to Ethics (3)		
(050) Creative Arts	3	ARTS 1301: Art Appreciation (3) DFAM 1210: Introduction to Theater (3) DFAM 2205: Development of the Motion Picture (3) MUS 1205: 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 2205: Federal Government (3) GOVT 2206: Texas Government (3)		
(080) Social & Behavioral Sciences	3	CCMM 1307: Introduction to Mass Communication (3) GEOG 1303: World Regional Geography (3) PSYC 2207: General Psychology (3) PSYC 2208: Child Psychology (3) PSYC 2214: Human Growth & Development (3) SOCL 1201: Introductory Sociology (3) EXOM 2301: Principles of Microeconomics (3) EXOM 2302: Principles of Macroeconomics (3)		
(090) Component Area Option	6 3	<p>Choose 3 BCH from the following: SPCH 1211: Public Speaking (3) SPCH 1212: Intergroup Communication (3) SPCH 1221: Business & Professional Speaking (3) or any course in Component Area (010), (020), (030), (040), (060), & (080) that has not been used to fulfill another core requirement except MATH 2413: Calculus, which is listed below.</p> <p>OR any course in Component Area (010), (020), (030), (040), (060), & (080) that has not been used to fulfill another core requirement except MATH 2413: Calculus, which is listed below.</p> <p>AND</p> <p>Choose 3 BCH from the following: ECIS 1306: Business Computer Applications (3) MATH 2412: Calculus I (4) PSYC 1300/EDUC 1300 Learning Fundamentals (3)</p>		
		<p>The following are also listed above for those with lecture courses for those meeting all 6 CH of Life & Physical Sciences for a degree.</p> <p>BIOL 1102: Biology for Science Majors I (3) (1) BIOL 1103: Biology for Science Majors II (3) (1) BIOL 1104: Biology for Non-Science Majors I (3) (1) BIOL 1105: Biology for Non-Science Majors II (3) (1) BIOL 1111: General Biology (3) (1) BIOL 1113: General Zoology (3) (1) BIOL 2107: Anatomy & Physiology I (3) (1) BIOL 2108: Anatomy & Physiology II (3) (1) BIOL 2120: Microbiology for Non-Science Majors (3) (1) BIOL 2121: Microbiology for Science Majors (3) (1) CHEM 1106: Introductory Chemistry I (3) (1) CHEM 1111: General Chemistry I (3) (1) CHEM 1112: General Chemistry II (3) (1) PHYS 1107: College Physics I (3) (1) PHYS 1108: Stone & Galileo (3) (1) PHYS 1104: Bohr System (3) (1) PHYS 1116: Physical Science I (3) (1) PHYS 2102: Relativity Physics I (3) (1)</p>		
Total Minimum Requirements	42			