### RECOMMENDED COURSE SEQUENCE

<table>
<thead>
<tr>
<th>Core Area shown on page 2</th>
<th>SEMESTERS OFFERED</th>
<th>MY PLAN (Semester and Year)</th>
<th>CREDIT HOURS</th>
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<tr>
<td>Core Science #</td>
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<td>Core Govt ^</td>
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### CAREER OPPORTUNITIES

Career Options: [http://www.ams.org/profession/career-info/career-index](http://www.ams.org/profession/career-info/career-index)


### ADVANCED DEGREES/ CREDENTIAL OPPORTUNITIES

Bachelor’s Degree in Mathematics, Engineering, or Physics

### LINKS TO COLLEGES AND PROFESSIONAL ORGANIZATIONS:

Stephen F. Austin State University Department of Mathematics and Statistics: [http://www2.sfasu.edu/math/](http://www2.sfasu.edu/math/)

University of Texas at Tyler Department of Mathematics: [https://www.uttole.edu/math/](https://www.uttole.edu/math/)

Mathematical Association of America: [https://www.maa.org/](https://www.maa.org/)

### CONTACT INFORMATION (Click link for KC Digital Map)

- David Rangel
  - Department Chair
  - BLDG #10, Room 223
  - 903-988-7437
drangel@kilgore.edu

- Jennifer Rich
  - Assistant Dept. Chair
  - BLDG # 10, Room 307
  - 903-983-8247
jrich@kilgore.edu

- Alex Knox
  - Academic Advisor
  - BLDG #19, Room 124
  - 903-983-8185
aknox@kilgore.edu

- Rhonda Heinsohn
  - Academic Advisor
  - BLDG #19, Room 126
  - 903-983-8122
rheinsohn@kilgore.edu

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**NOTE:** Check with the Office of Financial Aid as aid may not be available beyond degree completion and/or 60 hours.

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**RECOMMENDED COURSE SEQUENCE**

1. CHEM 1411 Gen. Chemistry I
2. ENGL 1301 Comp I
3. HIST 1301 US History I
4. MATH 2412 Pre-Calculus **
5. ENGL 1302 OR ENGL 2311
6. HIST 1302 US History II
7. HIST 2321 OR PHIL 1301*
8. MATH 2413 Calculus I
9. SPCH 1315 Public Speaking
10. COSC 1436 Programming I ***
11. GOVT 2305 Federal Govt.
12. MATH 2414 Calculus II
13. MUSI 1306 OR ARTS 1301*
14. PHYS 2425 Univ. Physics I
15. ECON 2301 OR PSYC 2301*
16. GOVT 2306 Texas Govt.
17. MATH 2415 Calculus III
18. PHYS 2426 Univ. Physics II
19. MATH 2320 Differential Eq. **
20. MATH 2305 Discrete Math ***

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**CAREER OPPORTUNITIES**

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- Mathematical Association of America: [https://www.maa.org/](https://www.maa.org/)

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Kilgore College Core Curriculum

I Communication (6 hours)
ENGL 1301 (T) - Composition I AND
ENGL 1302 (T) - Composition II OR
ENGL 2311 (T) - Technical and Business Writing

@ Mathematics (3 hours)
MATH 1314 (T) - College Algebra
MATH 1316 - Plane Trigonometry
MATH 1324 (T) - Mathematics for Business and Social Sciences
MATH 1325 (T) - Calculus for Business and Social Sciences
MATH 1332 (T) - Contemporary Mathematics
MATH 1342 (T) - Elementary Statistical Methods
MATH 1350 (T) - Mathematics for Teachers I
MATH 2412 (T) - Pre-Calculus Math
MATH 2413 (T) - Calculus I
MATH 2414 (T) - Calculus II
MATH 2415 (T) - Calculus III

# Life and Physical Sciences (6 hours)
BIOL 1406 (T) - Biology for Science Majors I
BIOL 1407 (T) - Biology for Science Majors II
BIOL 1408 (T) - Biology for Non-Science Majors I
BIOL 1409 (T) - Biology for Non-Science Majors II
BIOL 2401 (T) - Human Anatomy and Physiology I
BIOL 2402 (T) - Human Anatomy and Physiology II
BIOL 2404 (T) - Anatomy & Physiology
BIOL 2406 (T) - Environmental Biology
ENVR 1401 (T) - Environmental Science I
CHEM 1405 (T) - Introductory Chemistry I
CHEM 1406 (T) - Introductory Chemistry I (allied health emphasis)
CHEM 1411 (T) - General Chemistry I
CHEM 1412 (T) - General Chemistry II
GEOL 1301 (T) - Earth Sciences for Non-Science Majors I (lecture only)
GEOL 1403 (T) - Physical Geology
GEOL 1404 (T) - Historical Geology
GEOL 1405 (T) - Environmental Science
PHYS 1303 (T) - Stars and Galaxies (lecture only)
PHYS 1401 (T) - College Physics I
PHYS 1402 (T) - College Physics II
PHYS 1403
PHYS 1404 (T) - Solar System
PHYS 1405 (T) - Elementary Physics I
PHYS 2425 (T) - University Physics I
PHYS 2426 (T) - University Physics II

$ Language, Philosophy & Culture (3 hours)
ENGL 2322 (T) - British Literature I
ENGL 2323 (T) - British Literature II
ENGL 2326 (T) - American Literature
ENGL 2332 (T) - World Literature I
ENGL 2333 (T) - World Literature II
HIST 2311 (T) - Western Civilization I
HIST 2312 (T) - Western Civilization II
HIST 2321 (T) - World Civilizations I
HIST 2322 (T) - World Civilizations II
PHIL 1301 (T) - Introduction to Philosophy
PHIL 2306 (T) - Introduction to Ethics

% American History (6 hours)
HIST 1301 (T) - United States History I
HIST 1302 (T) - United States History II

^ Government/Political Science (6 hours)
GOVT 2305 (T) - Federal Government
GOVT 2306 (T) - Texas Government

& Component Area Option 1 (3 hours)
SPCH 1315 (T) - Public Speaking
SPCH 1318 (T) - Interpersonal Communication

+ Creative Arts (3 hours)
ARTS 1301 (T) - Art Appreciation
ARTS 1303 (T) - Art History I
ARTS 1304 (T) - Art History II
DANC 2303 (T) - Dance Appreciation
DRAM 1310 (T) - Theatre Appreciation
DRAM 2362
MUSI 1307 (T) - Music Literature

/ Social and Behavioral Sciences (3 hours)
ECON 2301 (T) - Principles of Macroeconomics
ECON 2302 (T) - Principles of Microeconomics
GEOG 1303 (T) - World Regional Geography
PSYC 2301 (T) - General Psychology
PSYC 2314 (T) - Lifespan Growth and Development
SOCI 1301 (T) - Introductory Sociology
SOCI 1306 (T) - Social Problems
TECA 1354 (T) - Child Growth and Development

< Component Area Option 2 (3 hours)
Any additional course listed in the core curriculum above or BCIS 1305 or MATH 1351 or EDUC 1300

Revised March 2022