



# UNTA/UNTS - BIOLOGY CAREER PATHWAY MAP

✓	RECOMMENDED COURSE SEQUENCE	Core Area shown on page 2	SEMESTERS OFFERED	MY PLAN (Semester and Year)	CREDIT HOURS
<input type="checkbox"/>	1. ENGL 1301 Comp 1	<a href="#">Core Comm !</a>	F, Sp, Su		3
<input type="checkbox"/>	2. MATH 2412 Pre-Calculus**	<a href="#">Core Math @</a>	F, Sp, Su		4
<input type="checkbox"/>	3. CHEM 1411 Gen. Chemistry I	<a href="#">Core Science #</a>	F, Sp, Su		4
<input type="checkbox"/>	4. HIST 2321 or PHIL 1301*	<a href="#">Core LP&amp;C \$</a>	F, Sp, Su		3
<input type="checkbox"/>	5. HIST 1301 US History I	<a href="#">Core History %</a>	F, Sp, Su		3
					17 hours
<input type="checkbox"/>	6. GOVT 2305 Federal Govt.	<a href="#">Core Govt ^</a>	F, Sp, Su		3
<input type="checkbox"/>	7. SPCH 1315 Public Speaking*	<a href="#">Core Comp 1 &amp;</a>	F, Sp, Su		3
<input type="checkbox"/>	8. ARTS 1301 or DRAM 2366*	<a href="#">Core Arts +</a>	F, Sp, Su		3
<input type="checkbox"/>	9. PSYC 2301 or PSYC 2314*	<a href="#">Core S&amp;B /</a>	F, Sp, Su		3
<input type="checkbox"/>	10. PHYS 1401 or PHYS 2425	<a href="#">Core Comp 2 &lt;</a>	F, Sp, Su		4
					33 hours
<input type="checkbox"/>	11. BIOL 1406 Bio for Majors I	<a href="#">Core Science #</a>	F, Sp		4
<input type="checkbox"/>	12. CHEM 1412 Gen. Chemistry II		F, Sp, Su		4
<input type="checkbox"/>	13. ENGL 1302 Comp II*	<a href="#">Core Comm !</a>	F, Sp, Su		3
<input type="checkbox"/>	14. GOVT 2306 Texas Govt.	<a href="#">Core Govt ^</a>	F, Sp, Su		3
<input type="checkbox"/>	15.				
					47 hours
<input type="checkbox"/>	16. BIOL 1407 Bio for Majors II	<a href="#">Core Science #</a>	F, SP		4
<input type="checkbox"/>	17. MATH 2413 Calculus I	<a href="#">Core Math @</a>	F, Sp, Su		4
<input type="checkbox"/>	18. HIST 1302 US History II	<a href="#">Core History %</a>	F, Sp, Su		3
<input type="checkbox"/>	19. PHYS 1402 or PHYS 2426	<a href="#">Core Comp 2 &lt;</a>	F, Sp, Su		4
<input type="checkbox"/>	20.				
	*** ASSOCIATE OF SCIENCE DEGREE EARNED***				62 hours
	NOTE: Check with the Office of Financial Aid as aid may not be available beyond degree completion and/or 60 hours.				

## READ ALL NOTES CAREFULLY:

- a) Courses in **bold** have a pre-requisite (previous course required). [See Catalog](#)
  - b) Courses in *italics* can be taken in any order.
  - c) ENGL 1301 and the first MATH class may require a co-requisite and/or developmental course depending on TSI Scores.
  - d) Refer to [KC Catalog](#) for Field of Study and Degree Requirements.
- \* Refer to Core Curriculum and KC Catalog for all possible course options.

\*\* MATH 1314 is a pre-requisite for this course. Approval is needed to begin in MATH 2412.

## CAREER OPPORTUNITIES

Career Options: <https://www.thebalancemoney.com/top-jobs-for-biology-majors-2059884>

Salary Information: <https://www.payscale.com/research/US/Job=Biologist/Salary>

## ADVANCED DEGREES/CREDENTIAL OPPORTUNITIES

Bachelor's, Master's, and PhD. In Biology, Wildlife Management, Agriculture, Ecology, Pre-Medicine, Pre-Dentistry

## LINKS TO COLLEGES AND PROFESSIONAL ORGANIZATIONS:

Stephen F. Austin State University Department of Biology:  
<https://www.sfasu.edu/academics/colleges/sciences-math/biology>

University of Texas at Tyler Department of Biology: <https://www.uttyler.edu/academics/colleges-schools/arts-sciences/departments/biology/>

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

Kilgore College Advising  
<https://www.kilgore.edu/academic-advising/>



Kilgore College Biology Department  
<https://www.kilgore.edu/courses/biological-sciences/>

## Kilgore College Core Curriculum

### ! 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](#)

### + 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](#)  
[DRAM 2366 \(T\) - Film Appreciation](#)  
[MUSI 1306 \(T\) - Music Appreciation](#)  
[MUSI 1307 \(T\) - Music Literature](#)

### % 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](#)

### / 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](#)  
[SOC1 1301 \(T\) - Introductory Sociology](#)  
[SOC1 1306 \(T\) - Social Problems](#)  
[TECA 1354 \(T\) - Child Growth and Development](#)

### & Component Area Option 1 (3 hours)

[SPCH 1315 \(T\) - Public Speaking](#)  
[SPCH 1318 \(T\) - Interpersonal Communication](#)

### < Component Area Option 2 (3 hours)

Any additional course listed in the core curriculum above or [BCIS 1305](#) or [MATH 1351](#) or [EDUC 1300](#)