



# MATHEMATICS CAREER PATHWAY MAP

✓	RECOMMENDED COURSE SEQUENCE	SEMESTERS OFFERED	CREDIT HOURS
<input type="checkbox"/>	1. <i>CHEM 1411 General Chemistry I*</i>	F, Sp, Su	4
<input type="checkbox"/>	2. <i>ENGL 1301 Composition I</i>	F, Sp, Su	3
<input type="checkbox"/>	3. <i>HIST 1301 US History I</i>	F, Sp, Su	3
<input type="checkbox"/>	4. <b>MATH 2412 Pre-Calculus I</b>	F, Sp	4
<input type="checkbox"/>	5. <i>BCIS 1305 Business Computer Applications+</i>	F, Sp, Su	3
			17 hours
<input type="checkbox"/>	6. <b>ENGL 1302 Composition II*</b>	F, Sp, Su	3
<input type="checkbox"/>	7. <i>HIST 1302 US History II</i>	F, Sp, Su	3
<input type="checkbox"/>	8. <i>HIST 2321 World Civilizations I*</i>	F, Sp, Su	3
<input type="checkbox"/>	9. <b>MATH 2413 Calculus I</b>	F, Sp, Su	4
<input type="checkbox"/>	10. <i>SPCH 1315 Public Speaking*</i>	F, Sp, Su	3
			33 hours
<input type="checkbox"/>	11. <i>COSC 1336 Programming Fund. I **</i>	F, Sp, Su	3
<input type="checkbox"/>	12. <i>GOVT 2305 Federal Government</i>	F, Sp, Su	3
<input type="checkbox"/>	13. <b>MATH 2414 Calculus II</b>	F, Sp	4
<input type="checkbox"/>	14. <i>MUSI 1306 Music Appreciation*</i>	F, Sp, Su	3
<input type="checkbox"/>	15. <b>PHYS 2425 University Physics I*</b>	F, Sp, Su	4
			50 hours
<input type="checkbox"/>	16. <i>ECON 2301 Principles of Macroeconomics*</i>	F, Sp, Su	3
<input type="checkbox"/>	17. <i>GOVT 2306 Texas Government</i>	F, Sp, Su	3
<input type="checkbox"/>	18. <b>MATH 2415 Calculus III</b>	Sp	4
<input type="checkbox"/>	19. <b>PHYS 2426 University Physics II*</b>	F, Sp, Su	4
	*** ASSOCIATE OF SCIENCE DEGREE EARNED ***		64 hours
	NOTE: Check with the Office of Financial Aid as aid may not be available beyond degree completion and/or 60 hours.		
<input type="checkbox"/>	20. <b>MATH 2320 Differential Equations**</b>	Su	3
			67 hours

## READ ALL NOTES CAREFULLY:

- \* Refer to Core Curriculum and KC Catalog for all possible course options.
- + Computer Competency Requirement must be met in order to earn an AS Degree.  
[Click Here For Computer Competency Information](#)
- \*\* MATH 2320 can be taken in place of COSC 1336 during the summer.
- ! MATH 1314 (College Algebra) is a pre-requisite for this course. Approval is needed to begin in MATH 2412.
- a) Courses in **bold** have a pre-requisite (previous course required).
- 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 AS Degree Requirements.

## CAREER OPPORTUNITIES

Teaching, Computer Science, Engineering, Finance, Statistics, Research

## ADVANCED DEGREE/CREDENTIAL OPPORTUNITIES

Bachelor of Science 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/>

University of Texas at Tyler Department of Mathematics: <https://www.uttyler.edu/math/>

Mathematical Association of America: <https://www.maa.org/>

## CONTACT INFORMATION

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