

**Career Pathway: Science, Math, and Health**

Program Description: The Associate in Science in Mathematics for Transfer degree prepares students who plan for careers in quantitative professions such as actuarial science, education, computer programming, systems analysis, and operations research analysis.

Course ID	Course Title	Units	To-Do List
<b>Semester 1</b>			
STUDEV-001	College Success	3	1) Meet with your Advisor to confirm path & develop your 1st year Abbreviated Educational Plan. 2) Apply for financial aid and follow-up with financial aid department. 3) Begin research on four-year schools. Find out minimum transfer GPA, course & major requirements.  <a href="#">JobSpeaker</a>  <a href="#">O*NET</a>  4) Begin research on careers through Job Speaker or O*NET:
ENG-001A*	Composition and Reading	3	
NC-200**	College Reading and Writing Preparedness	0	
HUM-001 or PHIL-001	Introduction to Western Culture or Introduction to Philosophy	3	
MATH-001A*	Introduction to Calculus	5	
STUDEV-002	Career Planning	1	
<b>Total Semester 1 Units</b>		<b>15</b>	
<b>Semester 2</b>			
MATH-001B*	Calculus With Applications	5	1) Meet with your Counselor to discuss your progress & complete your Comprehensive Educational Plan. 2) Meet with your Faculty Mentor to discuss program pathway, career options, & finalize class options.
ENG-003*	Critical Thinking and Writing	3	
PHYSICS-004A	Classical Mechanics	4	
COM-001* or COM-004*	Elements of Speech or Small Group Dynamics and Presentation	3	
<b>Total Semester 2 Units</b>		<b>15</b>	
<b>Semester 3</b>			
MATH-002A*	Multivariate Calculus	4	1) Prepare documentation for college application & apply to four-year schools of choice by the deadline. 2) Begin seeking four-year funding outlets such as scholarships & aid. 3) Renew financial aid.
GEOG-003	Cultural Geography	3	
POLSCI-001	American Government	3	
BIO-010 or BIO-015	Fundamentals of Biology or Biology for Education	3	
HIST-017A or HIST-017B	History of the United States 1492-1877 or History of the United States 1865-PRESENT	3	
<b>Total Semester 3 Units</b>		<b>16</b>	
<b>Semester 4</b>			
MATH-025*	Introduction to Statistics	4	<b>1) Petition to Graduate to receive your degree &amp; commencement ceremony information.</b>
ART-042 or MUS-042	Art Appreciation or Music Appreciation	3	
MATH-002B*	Differential Equations	4	
ES-001	Introduction to Ethnic Studies	3	
<b>Total Semester 4 Units</b>		<b>14</b>	
<b>Total Program Units</b>		<b>60</b>	

\*A grade of "C" or higher required for ENG, MATH, COM and all major courses.

\*\*If placement requires concurrent enrollment in support course.



**Mathematics AS-T  
Recommended Pathway**

**Career Pathway: Science, Math, and Health**

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Course ID	Course Title	Units	To-Do List
<b>Semester 1</b>			
STUDEV-001	College Success	3	1) Meet with your Advisor to confirm path & develop your 1st year Abbreviated Educational Plan. 2) Apply for financial aid and follow-up with financial aid department.
ENG-001A*	Composition and Reading	3	
NC-200**	College Reading and Writing Preparedness	0	
		<b>Total Semester 1 Units</b>	<b>6</b>
<b>Semester 2</b>			
HUM-001 or PHIL-001	Introduction to Western Culture or Introduction to Philosophy	3	1) Begin research on four-year schools. Find out minimum transfer GPA, course & major requirements. 2) Begin research on careers using JobSpeaker and O*NET
MATH-001A*	Introduction to Calculus	5	
STUDEV-002	Career Planning	1	
		<b>Total Semester 2 Units</b>	<b>9</b>
<b>Semester 3</b>			
MATH-001B*	Calculus With Applications	5	1) Renew financial aid.
ENG-003*	Critical Thinking and Writing	3	
		<b>Total Semester 3 Units</b>	<b>8</b>
<b>Semester 4</b>			
PHYSICS-004A	Classical Mechanics	4	1) Meet with your Counselor to discuss your progress & complete your Comprehensive Educational Plan. 2) Meet with your Faculty Mentor to discuss program pathway, career options, & finalize class options.
COM-001* or COM-004*	Elements of Speech or Small Group Dynamics and Presentation	3	
		<b>Total Semester 4 Units</b>	<b>7</b>
<b>Semester 5</b>			
MATH-002A*	Multivariate Calculus	4	1) Renew financial aid.
GEOG-003	Cultural Geography	3	
POLSCI-001	American Government	3	
		<b>Total Semester 5 Units</b>	<b>10</b>
<b>Semester 6</b>			
BIO-010 or BIO-015	Fundamentals of Biology or Biology for Education	3	1) Prepare documentation for college application & apply to four-year schools of choice by the deadline. 2) Begin seeking four-year funding outlets such as scholarships & aid.
HIST-017A or HIST-017B	History of the United States 1492-1877 or History of the United States 1865-PRESENT	3	
		<b>Total Semester 6 Units</b>	<b>6</b>
<b>Semester 7</b>			
MATH-025*	Introduction to Statistics	4	1) Renew financial aid.
ART-042 or MUS-042	Art Appreciation or Music Appreciation	3	
		<b>Total Semester 7 Units</b>	<b>7</b>
<b>Semester 8</b>			
MATH-002B*	Differential Equations	4	1) <b>Petition to Graduate degree &amp; commencement ceremony information.</b>
ES-001	Introduction to Ethnic Studies	3	
		<b>Total Semester 8 Units</b>	<b>7</b>
		<b>Total Program Units</b>	<b>60</b>

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\*\*if placement requires concurrent enrollment in support course.