



Career Pathway: Science, Math, and Health

Program Description: The Math and Science area of emphasis is designed to provide the student with foundational knowledge and skills in the following areas: the natural sciences, the physical universe, its life forms, and natural phenomena. Students will be provided the opportunity to develop mathematical and quantitative reasoning skills, demonstrate an understanding of science methodologies as investigative tools, and understand the influence scientific knowledge has on society.

Course ID	Course Title	Units	To-Do List
Semester 1			
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. JobSpeaker O*NET 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	
COM-001* or COM-004*	Elements of Speech or Small Group Dynamics and Presentation	3	
MATH-016*	Precalculus and Trigonometry	6	
NC-203**	Precalculus Support	0	
Total Semester 1 Units		15	
Semester 2			
MATH-001A*	Introduction to Calculus	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.
HIST-017A* or HIST-017B*	History of the United States 1492-1877 or History of the United States 1865-PRESENT	3	
CHEM-002A*	Introductory Chemistry	4	
GEOG-001*	Physical Geography	4	
Total Semester 2 Units		16	
Semester 3			
HUM-001 or PHIL-001	Introduction to Western Culture or Introduction to Philosophy	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. 3) Renew financial aid.
GEOG-003	Cultural Geography	3	
POLSCI-001	American Government	3	
ENG-003*	Critical Thinking and Writing	3	
PHYSICS-002A*	Mechanics and Thermodynamics	4	
Total Semester 3 Units		16	
Semester 4			
PSYCH-001 or SOC-001	Introductory Psychology or Introduction to Sociology	3	1) Petition to Graduate to receive your degree & commencement ceremony information.
MATH-025*	Introduction to Statistics	4	
NC-202**	Introduction to Statistics Support	0	
BIO-010 or BIO-015*	Fundamentals of Biology or Biology for Education	3	
ART-042 or MUS-042	Art Appreciation or Music Appreciation	3	
Total Semester 4 Units		13	
Total Program Units		60	

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

**If placement requires concurrent enrollment in support course.



Career Pathway: Science, Math, and Health

Program Description: The Math and Science area of emphasis is designed to provide the student with foundational knowledge and skills in the following areas: the natural sciences, the physical universe, its life forms, and natural phenomena. Students will be provided the opportunity to develop mathematical and quantitative reasoning skills, demonstrate an understanding of science methodologies as investigative tools, and understand the influence scientific knowledge has on society.

Course ID	Course Title	Units	To-Do List
Semester 1			
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	
Total Semester 1 Units		6	
Semester 2			
COM-001* or COM-004*	Elements of Speech or Small Group Dynamics and Presentation	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-016*	Precalculus and Trigonometry	6	
NC-203**	Precalculus Support	0	
Total Semester 2 Units		9	
Semester 3			
MATH-001A*	Introduction to Calculus	5	1) Renew financial aid.
HIST-017A* or HIST-017B*	History of the United States 1492-1877 or History of the United States 1865-PRESENT	3	
Total Semester 3 Units		8	
Semester 4			
CHEM-002A*	Introductory Chemistry	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.
GEOG-001*	Physical Geography	4	
Total Semester 4 Units		8	
Semester 5			
HUM-001 or PHIL-001	Introduction to Western Culture or Introduction to Philosophy	3	1) Renew financial aid.
GEOG-003	Cultural Geography	3	
POLSCI-001	American Government	3	
Total Semester 5 Units		9	
Semester 6			
ENG-003*	Critical Thinking and Writing	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.
PHYSICS-002A*	Mechanics and Thermodynamics	4	
Total Semester 6 Units		7	
Semester 7			
PSYCH-001 or SOC-001	Introductory Psychology or Introduction to Sociology	3	1) Renew financial aid.
MATH-025*	Introduction to Statistics	4	
NC-202**	Introduction to Statistics Support	0	
Total Semester 7 Units		7	
Semester 8			
BIO-010 or BIO-015*	Fundamentals of Biology or Biology for Education	3	1) Petition to Graduate degree & commencement ceremony information.
ART-042 or MUS-042	Art Appreciation or Music Appreciation	3	
Total Semester 8 Units		6	
Total Program Units		60	

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

**If placement requires concurrent enrollment in support course.