

Liberal Arts: Mathematics and Science

PATHWAYS COMMON CORE: 32 credits

This program has a waiver to require STEM courses in the Common Core.

REQUIRED CORE

English: 6 credits

ENG101 English Composition I (ENA101 or ENC101 depending on placement scores)	3
ENG102 Writing through Literature	3

Mathematical and Quantitative Reasoning: 3 credits

Select one of the following courses:

MAT115 College Algebra and Trigonometry (STEM)	3
MAT120 Elementary Statistics I (STEM)	3

Life & Physical Sciences: 4 credits

Select one of the following courses:

SCB201 Fundamentals of Biology I (STEM)	4
SCC201 Fundamentals of Chemistry I (STEM)	4
SCP201 Fundamentals of Physics I (STEM)	4

Flexible Core: 19 credits

*Select one course from each of the five flexible core categories **AND** one additional course from any flexible core category. **Note: Student can select only two courses from any one discipline.***

World Cultures and Global Issues

US Experience in its Diversity

Creative Expression

Individual and Society

Scientific World – The second course in your Science sequence is required for selection in this category.

Students are advised to select one Urban Study course to complete college requirement.

To complete the degree requirements from the Flexible Core, students are advised to select courses from the recommended course selections listed in the program handbook.

PROGRAM CORE: 28 credits

Counseling

New Student Seminar

Humanities: 3 credits

HUC106 Public Speaking	3
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Liberal Arts: 3 credits

LIB200 Humanism, Science and Technology	3
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Social Science: 3 credits

Select one of the following courses:

SSA100 Introduction to Anthropology	3
SSA101 Cultural Anthropology	3
SSE103 Introduction to Microeconomics	3
SSE104 Introduction to Macroeconomics	3
SSP101 U.S. Power and Politics	3
SSP200 Global Politics	3
SSS100 Introduction to Sociology	3

SSY101 General Psychology	3
SSH101 Themes in American History to 1865	3
SSH102 Themes in American History since 1865	3
SSH103 Western Civilization from Ancient Times to the Renaissance	3
SSH104 Western Civilization from the Renaissance to Modern Times	3
SSH105 World History from Ancient Times to 1500	3
SSH106 World History from 1500 to the Present	3
SSH110 East Asia Civilization and Societies	3
SSH231 Afro-American History	3
SSH232 Survey of Latin American and Caribbean History	3

Math/Science: 15 credits

Select four to five courses from the following:

MAT121 Elementary Statistics II	3
MAT200 PreCalculus (STEM)	4
MAT201 Calculus	4
MAT202 Calculus II	4
MAT203 Calculus III	4
MAT204 Elementary Differential Equations	4
MAT210 Linear Algebra	3
MAT212 Linear Algebra & Vector Analysis	3
MAT221 Intro to Probability	4
MAT231 Intro to Discrete Math	3

SCB115 Principles of Biology	4
SCB165 Vertebrate Evolution	3
SCB201 Fundamentals of Biology I	4
SCB202 Fundamentals of Biology II	4
SCB203 Human Anatomy & Physiology I	4
SCB204 Human Anatomy & Physiology II	4
SCB208 Vertebrae Anatomy & Physiology I	2
SCB209 Vertebrae Anatomy & Physiology II	3
SCB240 Biotechnology I	2
SCB252 Fundamentals of Biotechniques	2
SCB255 Cell Biology	3
SCB260 General Microbiology	4
SCB265 Fundamentals of Ecology	4
SCC201 Fundamentals of Chemistry I	4
SCC202 Fundamentals of Chemistry II	4
SCC205 Introduction to Chemistry	4
SCC210 Foundations of Chemistry	4
SCC251 Organic Chemistry I	5
SCC252 Organic Chemistry II	5
SCG120 Introduction to Oceanography	3
SCG150 Introduction to Geographic Information Systems	3
SCP160 Foundations of the Physical Sciences	3
SCP201 Fundamentals of Physics I	4
SCP202 Fundamentals of Physics II	4
SCP231 General Physics I	4
SCP232 General Physics II	4

Unrestricted Electives: 4 credits

Total: 60 credits