

**Highland Community College Suggested Program of Study
Mathematics (Associate in Arts)**

This mathematics program is designed for students who want to earn a bachelor of science degree. The course list below suggests one possible program of study, which will fulfill college requirements for an associate degree while generally preparing the student to take advanced courses in mathematics. Students are urged to plan their programs with an advisor after consulting the catalog of the transfer institution.

Course Number	Course Name	Credit Hour
<u>Basic Skills</u>		
COL 103	College Success and Orientation	1
ENG 101	College English I	3
ENG 102	College English II	3
MAT 104	College Algebra	3
SP 106	Public Speaking	3
	PE Elective	1
	Computer Literacy Elective	1
<u>Humanities</u>		
	Humanities Elective	3
	Humanities Elective	3
	Humanities Elective	3
<u>Social & Behavioral Science</u>		
	Social Science Elective	3
	Social Science Elective	3
	Social Science Elective	3
<u>Natural & Physical Science</u>		
MAT 106	Calculus w/Analytic Geometry I	5
MAT 110	Calculus w/Analytic Geometry II	5
PS 203	General Physics I	5
PS 204	General Physics II	5
<u>Electives</u>		
BS 101	College Biology	5
MAT 107	Contemporary Mathematics	3
MAT 201	Calculus w/Analytic Geometry II	3
MAT 203	Basic Statistics	3
PS 107	General Chemistry	5
PS 111	College Chemistry I	5

Potential Employment Applications of Degree

A mathematician conducts research in fundamental mathematics and in the application of mathematical techniques to science, management, and other fields. The mathematician solves or directs solutions to problems in various fields by mathematical methods. In some cases, a mathematician may act as an advisor or consultant to research personnel concerning mathematical methods and applications.