



MATHEMATICS (410)

Associate of Science

ABOUT OUR PROGRAM

This program is intended to provide the first two years of a four-year baccalaureate program. Majors in mathematics study mathematical principles, relationships, and methods of analysis. Applied mathematicians apply these methods and principles to the solution of problems in science, engineering, business, and industry.

NATURE OF WORK AND EMPLOYMENT

The most common jobs people have one year after receiving a baccalaureate degree with this major are secondary teacher, computer programmer, actuary, and computer analyst.

SPECIAL CONSIDERATIONS

The listed coursework is a recommendation only. Students should check with a student advisor for HCC graduation requirements and specific university requirements in this major. Students must meet with an advisor to ensure that the special requirements of the department and institution to which they plan to transfer are met. Colleges and universities have specific requirements for transfer students.

PROGRAM CONTACTS

Call Highland at 815-235-6121 for the following program contacts:

Mr. Steve Mihina, Mathematics Faculty
Ms. Dianne Marquart, Mathematics Faculty
Ms. Cecilia Gloden, Student Advisor

RECOMMENDED COURSES

The following are recommended courses for this major only. Students must still meet all requirements for the Associate of Science degree (see page 50) in order to graduate from Highland Community College. For more information, please see your student advisor.

* MATH 177	Statistics	3
* MATH 168	Analytic Geometry and Calculus I	5
* MATH 268	Analytic Geometry and Calculus II	5
* MATH 269	Analytic Geometry and Calculus III	4
* MATH 270	Linear Algebra	3
* MATH 262	C Prog. for Science & Engineering	4
* MATH 265	Differential Equations	3
* PHYS 221	Mechanics I (Statics)	3
* PHYS 222	Mechanics II (Dynamics)	3

* Course has a prerequisite. See course descriptions.