



Mathematics

AS # 4076 (60 credits)

Effective Fall 2020

This is an overview of the program. Any suggested course sequencing is meant to serve as a guideline for your semester planning. Students are expected to see their assigned advisor to develop and review their individual educational plans. Program specific questions can be directed to the faculty contacts. The scheduling of courses, program sequencing and curriculum is subject to change.

Developmental Courses (as determined through College Placement Testing) * and Prerequisites:			
<i>* Zero level courses must be completed with a C grade or higher.</i>			
<input type="checkbox"/> ESL classes	<input type="checkbox"/> ENGL 050	<input type="checkbox"/> MATH 006- Developing Confidence & Skills in Math	
<input type="checkbox"/> ENGL 002	<input type="checkbox"/> ENGL 051	<input type="checkbox"/> MATH 090 – Fundamentals of Algebra I	
<input type="checkbox"/> ENGL 003	<input type="checkbox"/> ENGL 057	<input type="checkbox"/> MATH 091 – Fundamentals of Algebra II	
General Education Courses			
ENGL 101	3	Pre: ENGL 003 & ENGL 051 or ENGL 057 with C or higher; Co: ENGL 003	
ENGL 102 or ENGL 104	3	Pre: ENGL 101 with C or higher Pre: ENGL 101 with C or higher	
Comm 101	3	Pre: Eligibility for ENGL 101 and completion of any reading course	
Core A	3	Humanities and Arts Elective: Select ONE from list: ARTS 181 or 182; ENGL 206; HUM 101, 115, or 201; MUS 104; PHIL 200; THTR 101; or a foreign language	
Core B	3	Social and Behavioral Sciences Elective	
General Education Transfer Electives	17	See transfer college checksheet for 17 credits of transferable elective credits	
PE/Wellness	1	See HACC catalog for a list of Wellness courses	
FYS Seminar	1	One credit hour in FYS coursework unless exempted by examination. See HACC catalog for a list of approved courses.	

Required Program Courses			
CPS 121	3	Computer Science I: Intro to Computer Programming JAVA	Prerequisite: Completion of Math 103 with a C or higher
MATH 121	4	Calculus I	Prerequisite: Completion of Math 119 with a C or higher
MATH 122	4	Calculus II	Prerequisite: Completion of Math 121 with a C or higher Prerequisite: Completion of Math 119 with a C or higher
MATH 125	3	Discrete Mathematics	Prerequisite: Completion of Math 119 with a C or higher
MATH 221	4	Calculus III	Prerequisite: Completion of Math 122 with a C or higher
MATH 220 (OR) MATH 222	4	Linear Algebra (OR) Differential Equations	Prerequisite: Either option - completion of Math 122 with a C or higher
PHYS 211	4	Physics for Engineers & Scientists I (Core C)	Prerequisite: Completion of Math 121 with a C or higher

RECOMMENDED SEQUENCE FOR FULL-TIME STUDENTS

Part-time students can complete this program by taking one or more courses each semester.

Fall Semester I		Spring Semester I		Fall Semester II		Spring Semester II	
COMM 101	3	Arts/Humanities Elective	3	MATH 125	3	MATH 220 or 222	4
ENGL 101	3	CPS 121	3	MATH 221	4	PHYS 211 (Core C)	4
FYS Elective	1	ENGL 102 or 104	3	Social/Behavioral Science Elective	3	Transfer Electives	8
MATH 121 (Core C)	4	MATH 122 (Core C)	4	Transfer Elective	3		
Transfer Elective	3	Transfer Elective	3	PE/Wellness	1		

Advising Office Contact Information: Phone: 717-780-2498, Email advising@hacc.edu, website: <https://www.hacc.edu/Students/AdvisingCounseling/index.cfm>

At least 15 credits required at HACC