

PRE-MEDICAL/PRE-DENTAL OPTION – X052

A.A. in Arts and Science

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COURSE TITLE	COURSE NUMBER	PREREQUISITES	CREDITS	SEMESTER TAKEN	GRADE
GENERAL EDUCATION REQUIREMENTS			35-36		
Language and Literature I	ENG 101	Appropriate score on Placement Tests, or C- or better in ENG 097 and ENG 098, or C- or better in ENG 096 or ENG 099	3		
Language and Literature II	ENG 102	ENG 101	3		
Inorganic Chemistry I (Fall) or Principles of Chemistry I (Spring)	CHM 121 CHM 113	High School Algebra I or equivalent. High School Chemistry recommended.	4		
Inorganic Chemistry II (Spring) or Principles of Chemistry II (Fall)	CHM 124 CHM 114	CHM 113 or CHM 121 CHM 113 or equivalent. High School Algebra I or equivalent recommended	4		
Social Science Electives (B)			3		
Social Science Electives (B)			3		
Social Science Electives (B)			3		
Humanities Electives (C)			3		
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Calculus I or Applied Calculus	MTH 113 MTH 162	MTH 108 or adequate score on the Mathematics Placement Exam MTH 104 with a grade of C- or better or adequate score on the Mathematics Placement Examination	3-4		
SUGGESTED ELECTIVES (Sufficient to complete 60 credit graduation requirement)			24-25		
Organic Chemistry I ¹ (Fall)	CHM 221	CHM 124, 114, or 102 with permission of instructor	4		
Organic Chemistry II ¹ (Spring)	CHM 222	CHM 221 or one previous semester of organic chemistry	4		
Introduction to Cell Functions or Biology Today I and Biology Today II ¹ or General Botany and General Zoology	BIO 100, BIO 103 BIO 104 BIO 110 BIO 120	Note: Credit cannot be received for more than one of these - BIO 100, 103 BIO 100 or 103	4		
Genetics	BIO 243		4		
Statistics	MTH 142	MTH 095 with a grade of C- or better or adequate score on the Mathematics Placement Examination	3		
Computer Concepts and Applications	CSI 111	Eligibility for ENG 101	4		
Physics for Engineering and Science Majors I (Spring) and Physics for Engineering and Science Majors II (Fall) ² or General Physics I (Fall) and General Physics II (Spring) ²	PHS 111 PHS 112 PHS 101 PHS 102	MTH 113 PHS 111 Co-requisite: MTH 114 MTH 104 or adequate score on the Mathematics Placement Examination PHS 101	4		
Total Credits			60		

PROGRAM OVERVIEW

Includes courses commonly taken in the first two years of a pre-medical or pre-dental curriculum. Students should also be aware that medical schools look for community service in the form of volunteer work at health care facilities. Consider including this along with formal coursework while attending HCC.

NOTES:

¹ Two years of college chemistry (including a year of organic chemistry and a year of college biology are required by all medical schools.

² A year of college physics is also required by all medical schools. Students may elect to complete this requirement while at HCC.

This program qualifies for MassTransfer, which guarantees credit transfer to Massachusetts state colleges universities. MassTransfer also will grant students automatic acceptance to certain state colleges and universities by achieving the minimum grade point average and the HCC degree.