

GLOUCESTER COUNTY COLLEGE
MATH AND SCIENCE DIVISION

GRADUATION CONTROL SHEET

ARTS AND SCIENCES
Associate in Science (A.S.) - Transfer

This program is designed for those students who have selected a major field of concentration and yet want more flexibility in course selection. The program is designed to meet transfer requirements for students pursuing a Bachelor of Science degree. It is suggested, however, that students seek advisement in course selection from the institutions to which they intend to transfer.

<u>FIRST YEAR - Fall Semester</u>			<u>Credits</u>
_____	COM 101	English Composition I	3
_____	CSC 101	Introduction to Programming or	
_____	CSC 111	Intermediate Programming	4
_____	MAT 110	Algebra and Trigonometry	4
_____	_____	Science elective Pair I (first semester)*	4
_____	_____	Social Science elective	3
			18
<u>Spring Semester</u>			
_____	COM 102	English Composition II	3
_____	MAT 107	Pre-Calculus and Mathematical Analysis	4
_____	_____	Science elective Pair I (second semester)*	4
_____	_____	Social Science elective	3
_____	_____	General Education elective	3
			17
<u>SECOND YEAR - Fall Semester</u>			
_____	MAT 108	Calculus I	4
_____	_____	Science elective Pair II (first semester)*	4
_____	_____	Science elective*	4
_____	_____	Humanities elective	3
_____	HPE _____	Physical Education elective	1-3
			16-18
<u>Spring Semester</u>			
_____	MAT _____	Mathematics elective**	3-4
_____	_____	Science elective Pair II (second semester)*	4
_____	_____	Science elective*	4
_____	_____	Humanities elective	3
			14-15
<u>TOTAL MINIMUM CREDITS:</u>			65

* These are the Science elective Pairs. Two or three pairs of science electives may be selected from the following:

If you take this course in the first semester you must take this course in the second semester
BIO 101	BIO 102
CHM 111	CHM 112
CHM 201	CHM 202
PHY 103	PHY 104
PHY 201	PHY 202

If **two Science elective pairs** are selected from the table then two additional science courses must be selected from the following:
 CHM 111, CHM 201, BIO 101, BIO 103, BIO 104, BIO 105, BIO 106, BIO 107, BIO 112, BIO 113, BIO 209, BIO 215, FSC 201,
 FSC 202, PHY 103, PHY 105, PHY 111, PHY 112, PHY 201.

** Select one of the following: MAT 103, MAT 113, or MAT 122

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REQUIRED CORE AND ELECTIVE COURSES

		<u>Credits</u>
<u>Communications</u>		
English Composition I	COM 101	3
English Composition II	COM 102	3
<u>Humanities</u>		
Humanities elective	___ ___	3
Humanities elective	___ ___	3
<u>Social Science</u>		
Social Science elective	___ ___	3
Social Science elective	___ ___	3
<u>HPE</u>		
Health/Physical Education elective	HPE ___	1-3
<u>Mathematics</u>		
Algebra and Trigonometry	MAT 110	4
Pre-Calculus and Mathematical Analysis	MAT 107	4
Calculus I	MAT 108	4
Mathematics elective	MAT ___	3-4
<u>Computer Science</u>		
Introduction to Programming	CSC 101	4
Intermediate Programming	CSC 111	4
	or	
<u>Science</u>		
Science elective Pair I (first semester)	___ ___	4
Science elective Pair I (second semester)	___ ___	4
Science elective Pair II (first semester)	___ ___	4
Science elective Pair II (second semester)	___ ___	4
Science elective	___ ___	4
Science elective	___ ___	4
<u>General Education elective</u>		3
<u>TOTAL MINIMUM CREDITS:</u>		65