

GLOUCESTER COUNTY COLLEGE
BUSINESS AND TECHNOLOGY DIVISION

GRADUATION CONTROL SHEET

ENGINEERING SCIENCE
Associate in Science (A.S.) - Transfer

The Engineering Science Program is a two-year Associate in Science degree program designed to facilitate transfer into junior year engineering programs at most colleges and universities.

<u>FIRST YEAR - Fall Semester</u>			<u>Credits</u>
_____	MAT 108	Calculus I	4
_____	CHM 111	General Chemistry I	4
_____	SOC 130	Society and Technology	3
_____	DFT 103	CADD I ((AutoCAD)	3
_____	COM 101	English Composition I	3
			17
<u>Spring Semester</u>			
_____	MAT 122	Calculus II	4
_____	CHM 112	General Chemistry II	4
_____	PHY 201	Physics with Calculus I	4
_____	ENR 207	Engineering Materials	3
_____	COM 102	English Composition II	3
			18
<u>SECOND YEAR - Fall Semester</u>			
_____	MAT 221	Calculus III	4
_____	ENR 211	Engineering Statics	3
_____	PHY 202	Physics with Calculus II	4
_____	CSC _____	Programming Elective	4
_____	_____	Humanities Elective	3
			18
<u>Spring Semester</u>			
_____	MAT 205	Differential Equations	4
_____	ENR 212	Mechanics of Materials	3
_____	_____	Humanities Elective	3
_____	_____	Social Science Elective	3
_____	HPE _____	Physical Education Elective	1-3
_____	ENR 213	Dynamics (optional)	(3)
			14-16
<u>TOTAL MINIMUM CREDITS:</u>			67-69

*Students should select the programming language that is required by the college to which they plan to transfer.

ENGINEERING SCIENCE
Associate in Science (A.S.) - Transfer

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 Electives	_____	3
	_____	3
<u>Social Science</u>		
Society and Technology	SOC 130	3
Social Science Elective	_____	3
<u>HPE</u>		
Physical Education Elective	HPE _____	1-3
<u>Mathematics</u>		
Calculus I	MAT 108	4
Calculus II	MAT 122	4
Calculus III	MAT 221	4
Differential Equations	MAT 205	4
<u>Computer Science</u>		
Programming Elective	CSC _____	4
<u>Science</u>		
General Chemistry I	CHM 111	4
General Chemistry II	CHM 112	4
Physics with Calculus I	PHY 201	4
Physics with Calculus II	PHY 202	4
<u>Technical</u>		
CADD I (AutoCAD)	DFT 103	3
Engineering Materials	ENR 207	3
Engineering Statics	ENR 211	3
Mechanics of Materials	ENR 212	3
Dynamics (optional)	ENR 213	(3)
<u>TOTAL MINIMUM CREDITS:</u>		67-69

Humanities: Art, Music, Foreign Language, Speech, Creative Writing, Journalism, Business, Communications, Philosophy.
Social Sciences: History, Political Science, Economics, Sociology, Psychology, Education.

NOTE: Humanities, Social Science, and Mathematics Electives must be chosen from the approved list of General Education courses. Reference the College Catalog and/or the Counseling Office.