

GLOUCESTER COUNTY COLLEGE  
BUSINESS AND TECHNOLOGY DIVISION

GRADUATION CONTROL SHEET

**COMPUTER INFORMATION SYSTEMS**  
**Associate in Science (A.S.) - Transfer**

The transfer program in Computer Information Systems (CIS) provides a strong foundation in both business studies and information systems. The concepts of information systems and the hands-on experience gained in the design, development, implementation of business applications provides this foundation. Students will be prepared to transfer to a four-year college, begin a career working in the information systems field, or apply their knowledge in programming, systems analysis, and/or computer management in a private entrepreneurial arrangement.

<b><u>FIRST YEAR - Fall Semester</u></b>			<b><u>Credits</u></b>
_____	COM 101	English Composition I	3
_____	MAT 151	Mathematics for Management	4
_____	BUS 102	Accounting I *	4
_____	CIS 107	Concepts of Information Systems	3
_____	CIS 110	Fundamentals of Programming	4
			<b>18</b>
<b><u>Spring Semester</u></b>			
_____	COM 102	English Composition II	3
_____	MAT 152	Applied Calculus	4
_____	CIS 151	Web Development-HTML	4
_____	CIS 210	Relational Databases	4
_____	_____	Humanities Elective	3
			<b>18</b>
<b><u>SECOND YEAR - Fall Semester</u></b>			
_____	ECO 101	Principles of Economics I	3
_____	BUS 107	Business Law I	3
_____	CIS 251	Web Programming	4
_____	_____	Science Elective	4
_____	_____	Humanities Elective	3
			<b>17</b>
<b><u>Spring Semester</u></b>			
_____	ECO 102	Principles of Economics II	3
_____	BUS 231	Principles of Management	3
_____	BUS 221	Principles of Marketing	3
_____	CIS 264	Database Applications	4
_____	_____	Science Elective	4
_____	HPE _____	Physical Education Elective	1-3
			<b>15-17</b>
<b><u>TOTAL MINIMUM CREDITS:</u></b>			<b>68</b>

\* Students with prior experience may substitute a business elective with the approval of the Business and Technology Division Dean after successfully completing a placement exam.

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**REQUIRED CORE AND ELECTIVE COURSES**

**Credits**

**Communications**

English Composition I	COM 101	3
English Composition II	COM 102	3

**Humanities**

Humanities Elective	___ ___	3
Humanities Elective	___ ___	3

**Social Science**

Principles of Economics I	ECO 101	3
Principles of Economics II	ECO 102	3

**HPE**

Physical Education Elective	HPE ___	1-3
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**Mathematics**

Mathematics for Management	MAT 151	4
Applied Calculus	MAT 152	4

**Science**

Science Elective	___ ___	4
Science Elective	___ ___	4

**Business**

Accounting I	BUS 102	4
Business Law I	BUS 107	3
Principles of Management	BUS 231	3
Principles of Marketing	BUS 221	3

**Computer Information Systems**

Concepts of Information Systems	CIS 107	3
Fundamentals of Programming	CIS 110	4
Web Development-HTML	CIS 151	4
Relational Databases	CIS 210	4
Web Programming	CIS 251	4
Database Applications	CIS 264	4

**TOTAL MINIMUM CREDITS: 68**