

GLOUCESTER COUNTY COLLEGE
BUSINESS AND TECHNOLOGY DIVISION

GRADUATION CONTROL SHEET

COMPUTER INFORMATION TECHNOLOGY
Software Development
Associate in Applied Science (A.A.S.) - Career

The Computer Information Technology career program is designed for students who wish to seek employment immediately following graduation. The program includes courses that will provide students with the basic knowledge and skills necessary for success in a variety of computer information technology careers.

The student who completes the CIT Software Development Career program is prepared to seek employment as a programmer trainee, programmer, programmer/analyst, systems analyst trainee, systems analyst, or salesperson of computer software.

<u>FIRST YEAR - Fall Semester</u>	<u>Credits</u>
____ BUS 102 Accounting I *	4
____ COM 101 English Composition I	3
____ MAT 100 Foundations of Mathematics I **	3
____ CIS 107 Concepts of Information Systems	3
____ CIS 110 Fundamentals of Programming	4
	17
<u>Spring Semester</u>	
____ BUS 103 Accounting II *	4
____ CIS 120 Spreadsheets – EXCEL	4
____ CIS 210 Relational Databases	4
____ CIS 151 Web Development-HTML	4
____ HPE ____ Physical Education Elective	1
	17
<u>SECOND YEAR - Fall Semester</u>	
____ COM 102 English Composition II	3
____ ECO ____ Economics Elective	3
____ BUS 231 Principles of Management	3
____ BUS 221 Principles of Marketing	3
____ CIS 251 Web Programming	4
____ ____ Humanities Elective	3
	16
<u>Spring Semester</u>	
____ CIS 203 Systems Analysis and Design	3
____ CIS 264 Database Applications Development	4
____ MAT 200 Foundations of Mathematics II **	3
____ ____ Social Science Elective	3
____ ____ Humanities Elective	3
	16
<u>TOTAL MINIMUM CREDITS:</u>	66

* 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.

** MAT 151 and MAT 152 can be substituted for MAT 100 and MAT 200 and are recommended for students who are considering transfer to a four-year institution.

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REQUIRED CORE AND ELECTIVE COURSES

<u>Communications</u>		<u>Credits</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>		
Economics Elective	ECO ___	3
Social Science Elective	___ ___	3
<u>HPE</u>		
Physical Education Elective	HPE ___	1-3
<u>Mathematics</u>		
Foundations of Mathematics I	MAT 100	3
Foundations of Mathematics II	MAT 200	3
<u>Business</u>		
Accounting I	BUS 102	4
Accounting II	BUS 103	4
Principles of Management	BUS 231	3
Principles of Marketing	BUS 221	3
	or	
<u>Computer Information Systems</u>		
Concepts of Information Systems	CIS 107	3
Fundamentals of Programming	CIS 110	4
Spreadsheets - EXCEL	CIS 120	4
Web Development-HTML	CIS 151	4
Systems Analysis & Design	CIS 203	3
Relational Databases	CIS 210	4
Web Programming	CIS 251	4
Database Applications Development	CIS 264	4
<u>TOTAL MINIMUM CREDITS:</u>		66