

GLOUCESTER COUNTY COLLEGE  
BUSINESS AND TECHNOLOGY DIVISION  
 GRADUATION CONTROL SHEET

**NETWORK MANAGEMENT**  
**Associate in Applied Science (A.A.S.)**

The Network Management program prepares graduates to qualify for entry level and/or advanced positions in the computer networking and computer communications fields. Graduates may be employed in positions such as Network Administrator, Network Technician, LAN Manager. Graduates are also provided with the background to go onto positions like Network Analyst, and Wide Area Network Specialist with acquired experience.

Network Management "AAS" graduates will be able to:

1. Install and maintain computers and related peripherals in a network environment
2. Install, configure, and administer workstation, and server operating systems and support software
3. Interpret, describe, and interact with network operations and protocols
4. Provide analysis and diagnostics in the localization of network related problems, and perform proper troubleshooting procedures
5. With the choice of CIS-247, and CIS-248, provide Wide Area Networking services with Proxy Servers, and Internet Information Servers

<b><u>FIRST YEAR - Fall Semester</u></b>			<b><u>Credits</u></b>
_____	BUS 102	Accounting I	4
_____	CIS 107	Concepts of Information Systems	3
_____	CIS 132	Networking Essentials	4
_____	COM 101	English Composition I	3
_____	MAT _____	Mathematics Elective*	3-4
			<b>17-18</b>

<b><u>Spring Semester</u></b>			
_____	CIS 143	The Windows Workstation	4
_____	CIS 144	Managing and Maintaining Your PC	3
_____	CIS 210	Relational Databases**	4
_____	COM 102	English Composition II	3
_____	MAT _____	Mathematics Elective*	3-4
			<b>17-18</b>

<b><u>SECOND YEAR - Fall Semester</u></b>			
_____	SPE 101	Oral Communications	3
_____	ECO _____	Economics Elective	3
_____	BUS 231	Principles of Management	3
_____	CIS 231	Windows Server and Network Administration	4
_____	CIS 234	TCP/IP Protocol	3
_____	HPE _____	Physical Education Elective	1
			<b>17</b>

<b><u>Spring Semester</u></b>			
_____	CIS 203	Systems Analysis and Design**	3
_____	CIS 241	Advanced Network and Server Technologies	4
_____	CIS 245	The Exchange E-Mail Server	4
_____	_____	Social Science Elective	3
_____	_____	Humanities Elective	3
			<b>17</b>

**TOTAL MINIMUM CREDITS: 68-70**

\* Students must select any two of the following Mathematics courses as their Mathematics Electives: MAT 103, MAT 105, MAT 113, MAT 151.

\*\*These courses can be replaced with the following advanced Network Management (Wide Area Network) courses, but can only be taken after the student has taken all other Core Network Management (CIS) courses:

CIS-247	The Proxy Server	4 - credits
CIS-248	The Internet Information Server	4 - credits

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**REQUIRED CORE AND ELECTIVE COURSES**

**Credits**

**Communications**

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

**Humanities**

Oral Communications	SPE 101	3
Humanities Elective	___ ___	3

**Social Science**

Economics Elective	ECO ___	3
Social Science Elective	___ ___	3

**HPE**

Physical Education Elective	HPE ___	1
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**Mathematics**

Mathematics Elective	MAT ___	3-4
Mathematics Elective	MAT ___	3-4

**Business**

Accounting I	BUS 102	4
Principles of Management	BUS 231	3
Concepts of Information Systems	CIS 107	3
Networking Essentials	CIS 132	4
The Windows Workstation	CIS 143	4
Managing and Maintaining Your PC	CIS 144	3
Systems Analysis and Design	CIS 203	3
Relational Databases	CIS 210	4
Windows Server and Network Administration	CIS 231	4
TCP/IP Protocol	CIS 234	3
Advanced Network and Server Technologies	CIS 241	4
The Exchange E-Mail Server	CIS 245	4

**TOTAL MINIMUM CREDITS: 68-70**

