

GLOUCESTER COUNTY COLLEGE  
BUSINESS AND TECHNOLOGY DIVISION

GRADUATION CONTROL SHEET

**NETWORK MANAGEMENT – LAN/WAN**  
**Certificate Program**

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 and LAN Manager. Graduates are also provided with the background to go onto positions like Network Analyst, and Wide Area Network Specialist with acquired experience. Graduates in this program can also go on to complete additional course requirements that lead to a full "A.A.S." Degree in Network Management from Gloucester County College.

"LANWAN" Network Management Certificate 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. Provide Wide Area Networking services with Proxy Servers, or Internet Information Servers.

<u>Course</u>	<u>Credits</u>
_____ COM 101      English Composition I	3
_____ CIS 107      Concepts of Information Systems	3
_____ CIS 132      Networking Essentials	4
_____ CIS 143      The Windows Workstation	4
_____ CIS 144      Managing and Maintaining Your PC	3
_____ CIS 231      Windows Server and Network Administration	4
_____ CIS 234      TCP/IP Protocol	3
_____ CIS 241      Advanced Network and Server Technologies	4
_____ CIS 245      The Exchange E-Mail Server	4
_____ CIS 247      The Proxy Server	4
_____ CIS 248      The Internet Information Server	4
	<b><u>TOTAL MINIMUM CREDITS:</u>    36</b>

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**REQUIRED CORE AND ELECTIVE COURSES**

		<b><u>Credits</u></b>
<b><u>Communications</u></b>		
English Composition I	COM 101	3
<b><u>Business</u></b>		
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
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
The Proxy Server	CIS 247	4
The Internet Information Server	CIS 248	4
	<b>or</b>	
<b><u>TOTAL MINIMUM CREDITS:</u></b>		<b>36</b>