

COMPUTER NETWORKING

Faculty

Lamotte, Schilling

Associate of Applied Science Degree Microsoft Networking

The recommended curriculum will explore the depths of Microsoft operating systems, networks and databases. The seven core classes each prepare a student for a Microsoft Certification Test. Passing all eight certification exams will qualify a student as an MCSE (Microsoft Certified System Engineer) with a specialization in either messaging or security, an MCSA (Microsoft Certified Systems Administrator) and an MCP (Microsoft Certified Professional). Passing the associated exams for COSC 2110 and 2220 will also qualify a student as an ***MCDBA (Microsoft Certified Database Administrator).

This is a nontransfer degree.

(Recommended Curriculum)

General Education (Minimum 17 credits)	Credits
General education coursework can be completed from within or outside of the major field of study.	
1. Exploration and Participation	
BADM 1005 Business Math I	or
MATH 1000 Problem Solving	3
2. Communication	
BADM 1020 Business Communications	3
BOTK 1540 Business English	3
3. Relationship with the World (One course minimum)	
Human behavior	
U.S. and Wyoming constitutions.....	1-3
Cultural environment	
4. General Education Electives	
Must be chosen from areas 1, 2, or 3 above.	
5. Physical Education	1

Major Requirements

ACCT	1905	Practical Accounting I	or
ACCT	2010	Principles of Accounting I	4
BADM	2010	Business Law I	3
CMAP	1815	Database Applications.....	3
COSC	2210	Business Data Processing I	3
COSC	2220	Business Data Processing II	3
MGT	2100	Principles of Management.....	3
MKT	2100	Principles of Marketing.....	3

Microsoft Core Courses

*MSFT	1520	Windows Server Networking	3
*MSFT	1530	Managing Microsoft Windows Environment.....	3
*MSFT	1561	Windows Active Directory.....	3
*MSFT	1562	Windows Network Infrastructure	3
*MSFT	1568	Windows XP Professional	or
*MSFT	2610	Windows Vista.....	3
*MSFT	1570	Designing Security for Windows.....	3
MSFT	2578	Networking Essentials.....	or
CSCO	2000	Cisco: Internetworking I	3

Choose one of the following specializations:

Specialization: Messaging

MSFT 1600 Implementing and Managing Microsoft Exchange Server 2003

MSFT 1601 Designing an Exchange Organization

Specialization: Security

MSFT 2150 Windows Security

MSFT 1572 Implementing and Administering Security

All classes in the major must be passed with a "C" or better."

*Seven Core classes directly correspond to Microsoft Certification exams which must be passed to become an MCSE (Microsoft Certified Systems Engineer).

***Qualifying as an MCDBA requires 4 exams. See Microsoft instructor for more information.

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements.

Microsoft Networking Certificate

The recommended curriculum will explore the depths of Microsoft operating systems, networks and databases. The eight core classes each prepare a student for a Microsoft certification test. Passing all eight certification exams will qualify a student as an MCSE (Microsoft Certified System Engineer) with a specialization in either messaging or security, an MCSA (Microsoft Certified Systems Administrator) and an MCP (Microsoft Certified Professional). Passing the associated exams for COSC 2110 and 2220 will also qualify a student as an ***MCDBA (Microsoft Certified Database Administrator).

(Certificate Requirements)

General Education	Credits
BADM 1005 Business Math I	or
MATH 1000 Problem-Solving	3
BADM 1020 Business Communications	3

Major Requirements

BOTK	1980	Cooperative Work Experience I.....	2-3
*MSFT	1520	Windows Server Networking	3
*MSFT	1530	Managing Microsoft Windows Environment.....	3
*MSFT	1561	Windows Active Directory	3
*MSFT	1562	Windows Network Infrastructure	3
*MSFT	1568	Windows XP Professional	3
*MSFT	2610	Windows Vista.....	3
*MSFT	1570	Designing Security for Windows.....	3
**COSC	2210	Business Data Processing I	3
**COSC	2220	Business Data Processing II	3

Choose one of the following specializations:

Specialization: Messaging

MSFT 1600 Implementing and Managing Microsoft Exchange Server 2003

MSFT 1601 Designing and Exchange Organization

Specialization: Security

MSFT 2150 Windows Security

MSFT 1572 Implementing and Administering Security

All classes in the major requirements must be passed with a "C" or better.

*Seven Core classes directly correspond to Microsoft Certification exams which must be passed to become an MCSE (Microsoft Certified Systems Engineer).

**Two core classes directly correspond to Microsoft certification exams which will need to be passed to become a MCDA (Microsoft Certified Database Administrator).

***Qualifying as an MCDBA requires 4 exams. See Microsoft instructor for more information.

All classes in the major must be passed with a "C" or better.

For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Associate of Applied Science Degree Information Technology

The recommended digital curriculum at Casper College is designed to prepare students for careers in business technological areas. They will have the basic knowledge of operating systems, hardware/software interface, printer/peripheral equipment, design skills, tools. Students will have basic communication skills. This curriculum will qualify a student to support network and Web operations including Cisco and Microsoft administration.

This is a nontransfer degree.

(Recommended Curriculum)

General Education (Minimum 17 credits)	Credits
General education coursework can be completed from within or outside of the major field of study.	

1. Exploration and Participation
 - BADM 1005 Business Math I or
 - MATH 1000 Problem Solving 3
2. Communication
 - BADM 1020 Business Communications 3
 - BOTK 1540 Business English 3
3. Relationship with the World (One course minimum)
 - Human behavior
 - U.S. and Wyoming constitutions 1-3
 - Cultural environment
4. General Education Electives
 - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

BOTK	2970	Internship: Help Desk	1-3
CMA	1510	Computer Literacy	4
CMA	1715	Word Processing	3
CMA	1765	Spreadsheet Applications	3
CMA	1815	Database Applications	3
CMA	1886	Outlook	1
CMA	1855	Desktop Publishing II	or
CMA	2630	Presentation Graphics	3
CSCO	2000	Cisco: Internetworking I	or
MSFT	2578	Networking Essentials	3
CSCO	2010	Cisco: Advanced Internetworking I	3
CSCO	2020	Cisco: Advanced Internetworking II	4
ELTR	2920	Small Computer Repair Techniques	3.5
IMGT	2400	Intro to Information Management	3

INET	1510	Web Site Analysis	or
INET	1550	Introduction to the Internet	1
INET	1590	Web Page Design	3
MSFT	1520	Windows Server Networking	3
MSFT	1568	Windows XP Professional	3
MSFT	2150	Windows Security	3

All classes in the major must be passed with a "C" or better.

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Information Technology Certificate

The recommended digital curriculum at Casper College is designed to prepare students for careers in business technological areas. They will have the basic knowledge of operating systems, hardware/software interface, printer/peripheral equipment, design skills and tools. Students will have basic writing skills. This curriculum will qualify a student to support network and Web operations at the entry level.

(Certificate Requirements)

General Education	Credits
BADM 1005	Business Math I or
MATH 1000	Problem-Solving 3
BADM 1020	Business Communications 3
BOTK 1540	Business English 3

Major Requirements

CMA	1510	Computer Literacy	4
CMA	1765	Spreadsheet Applications	or
CMA	1815	Database Applications	3
ELTR	2920	Small Computer Repair Techniques	3.5
INET	1510	Web Site Analysis	or
INET	1550	Introduction to the Internet	1
INET	1590	Web Page Design	3
CSCO	2000	Cisco: Internetworking I	or
MSFT	2578	Networking Essentials	3
MSFT	1520	Windows Server Networking	3
MSFT	1568	Windows XP Professional	3
		Electives	1-3

All classes in the major requirements must be passed with a "C" or better.

For specific graduation requirements see "Academic Policies" and "Degree Requirements."