

Information Technology Certificates

A+ Certification Certificate

Courses Required:

CIS	130	Microcomputer Applications OR	3
ET	107	Computer Applications for Technicians	(4)
IT	105	Computer Maintenance Essentials AND	3
IT	205	Advanced Computer Maintenance OR	3
ET	232	Computer Software Maintenance AND	(3)
ET	234	Computer Hardware Maintenance OR	(3)
CIS	110	Operating Systems Concepts AND	(3)
ET	234	Computer Hardware Maintenance	(3)
Total Credits:			9-10

Information Technology Fundamentals Certificate

Courses Required:

CIS	120	Program Design and Development	3
CIS	130	Microcomputer Applications OR	3
ET	107	Computer Applications for Technicians	(4)
IT	105	Computer Maintenance Essentials AND	3
IT	205	Advanced Computer Maintenance OR	3
ET	232	Computer Software Maintenance AND	(3)
ET	234	Computer Hardware Maintenance OR	(3)
CIS	110	Operating Systems Concepts AND	(3)
ET	234	Computer Hardware Maintenance	(3)
IT	170	Introduction to Database Design	3
IT	132	Web Page Development OR	3
IT	130	Web Site Design and Production	(4)
		Beginning Level Programming Language	3
		Introductory Networking Course	3-4
Total Credits:			24-27

Electronic Commerce Certificate

Courses Required:

B & E	100	Introduction to Business and Economics OR	1
BA	160	Introduction to Business	(3)
BA	282	Principles of Marketing	3
ACC	201	Financial Accounting	3
BA/CIS	151	Introduction to Electronic Commerce	3
IT	130	Web Site Design and Production	4
IT	132	Web Page Development	3

IT	230	Advanced Web Page Development	3
IT	235	Data-Driven Web Design	3
IT	291	E-Commerce Practicum: Site Implementation	3
		Total Credits:	26-28

Microsoft Networking MCSA Track Certificate

Courses Required:

NIS	211	Administering Microsoft Windows Professional: Topic	3
NIS	213	Administering Microsoft Windows Server: Topic	3
NIS	214	Supporting Windows Network Infrastructure Topic:	3
		Electives (listed in the Network Administration Option MCSA Track)	3-6
		Introductory Networking Course	3-4
		Total Credits:	15-19

Microsoft Networking MCSE Track Certificate

Courses Required:

NIS	211	Administering Microsoft Windows Professional: Topic	3
NIS	213	Administering Microsoft Windows Server: Topic	3
NIS	214	Supporting Windows Network Infrastructure Topic:	3
NIS	216	Implementing and Administering Microsoft Windows Directory Services Topic:	3
NIS	244	Designing a Windows Networking Services Infrastructure Topic:	3
NIS	242	Designing a Windows Directory Services Infrastructure Topic: R	3
NIS	245	Designing a Secure Windows Network Topic:	(3)
		Elective (listed in Network Administration Option MCSE Track)	3
		Introductory Networking Course	3-4
		Total Credits:	24-25

Database Administration – Oracle Basic Certificate

Prerequisite: Moderate knowledge of industry-standard microcomputer operating systems, application software, computer program design and development techniques, and familiarity with at least one programming language.

IT	170	Introduction to Database Design	3
IT	147	SQL Programming	3
IT	270	Database Systems – Implementation and Management	3
IT	272	Oracle Database Fundamentals I	3
NIS	213	Administering Microsoft Windows Server OR	3
NIS	230	UNIX Administration	(3)
		Total Credits:	21

Database Administration – Oracle Enhanced Certificate

Prerequisite: Moderate knowledge of industry-standard microcomputer operating systems, application software, computer program design and development techniques, and familiarity with at least one programming language.

IT	170	Introduction to Database Design	3
IT	147	SQL Programming	3
IT	270	Database Systems – Implementation and Management	3
IT	272	Oracle Database Fundamentals I	3
IT	274	Oracle Database Fundamentals II	3
IT	278	Oracle Performance Tuning	3
NIS	213	Administering Microsoft Windows Server OR	3
NIS	230	UNIX Administration	(3)
		Total Credits:	21

Database Administration – Microsoft Enhanced Certificate

Prerequisite: Moderate knowledge of industry-standard microcomputer operating systems, application software, computer program design and development techniques, and familiarity with at least one programming language.

Courses Required:

IT	170	Introduction to Database Design	3
IT	147	SQL Programming	3
IT	270	Database Systems – Implementation and Management	3
NIS	246	Microsoft SQL Server System Administration Topic:	3
NIS	247	Microsoft SQL Server Implementation	3
NIS	248	Microsoft SQL Server Data Warehousing	3
NIS	213	Administering Microsoft Windows Server: Topic	3
		Total Credits:	21

Information Security Certificate

Courses Required:

IT	250	Introduction to Security	4
IT	252	Attacks and Exploits	4
IT	254	Firewalls and Perimeter Defense	4
		Security Elective (listed in the option)	3
		Total Credits:	15