

CAREER PROGRAMS

Computer Information

Associate in Applied Science Degree: Microcomputers in Business Systems

The technical curriculum trains students for various positions in the field of microcomputers. The student will take courses in business, computer information systems, and general education. The student may choose from four specialized study areas: LAN administration, NetPrep™ Network Management, Packages, or Telecommunications. The student must select a minimum of 65 credit hours from these specialized study areas. Graduates of the program may find employment as network technicians and consultants..

Required Core Courses:

CIS	101	Introduction to Computer Information Systems.....	3
CIS	106	Computer Logic and Programming Technology	3
CIS	134	Personal Computer (DOS).....	3
CIS	144	Advanced PC Operating Systems.....	3
CIS	145	PC Hardware	3

Required General Education Courses:

ENG	101	Composition	3
ENG	102	Composition or	
ENG	103	Technical and Report Writing or	
SPE	101	Fundamentals of Speech Communication ¹	3
MGT	150	Business Math (3) or	
MTH	080	Foundations of Mathematics II (4)	3-4
		Natural Science, Social Science or	
		Humanities electives ²	6

Specialized Study Areas:

LAN Administration

Required:

CIS	120	Introduction to Business Software Packages (3) or	
CIS	122	Database for Micros (1) and	
CIS	123	Spreadsheet Budgeting for Micros (1) and	
CIS	125	Word Processing for Micros (1)	3
CIS	124	Advanced Spreadsheet for Micros	1
CIS	126	Graphics for Micros	1
CIS	146	Operating System—OS/2 (3) or	
CIS	147	Windows (2).....	2-3
CIS	149	Personal Computer UNIX or	
CIS	171	Introduction to Local Area Networks	3
CIS	152	Data Base Programming, Microcomputers	3
CIS	170	Introduction to Data Communication.....	3
MGT	111	Introduction to Business Organization.....	3
SPE	101	Fundamentals of Speech Communication.....	3
		Electives ³	10
		Social Science or Humanities elective ²	3

NetPrep™ Network Technology

Required:

CIS	102	NetPrep™ Networking Fundamentals	3
CIS	107	NetPrep™ Local Area Networks	3
CIS	115	NetPrep™ Wide Area Networks	3
CIS	147	Windows.....	2
CIS	155	NetPrep™ TCP/IP.....	3
CIS	156	NetPrep™-The Internet.....	3
CIS	157	NetPrep™ Internetworking Devices and Concepts	3
CIS	158	NetPrep™ Protocol Analysis	3
CIS	159	NetPrep™ Network Analysis and Design	3
		Electives ⁴	6
		Social Science or Humanities elective ²	3

Packages

Required:

ACC	101	Introduction to Financial Accounting	4
CAS	110	Core Microsoft Office Specialist Certification: Word.....	1
CAS	120	Core Microsoft Office Specialist Certification: Excel.....	1
CAS	130	Core Microsoft Office Specialist Certification: Access.....	1
CIS	120	Introduction to Business Software Packages (3) or	
CIS	122	Database for Micros (1) and	
CIS	123	Spreadsheet Budgeting for Micros (1) and	
CIS	125	Word Processing for Micros (1)	3
CIS	124	Advanced Spreadsheet for Micros	1
CIS	126	Graphics for Micros	1
CIS	147	Windows.....	2
		CAS/CIS electives ⁵	8
MGT	111	Introduction to Business Organization.....	3
		Social Science, Humanities or	
		Natural Science elective ²	3

Telecommunications

Required:

ACC	101	Introduction to Financial Accounting	4
ACC	102	Introduction to Managerial Accounting.....	3
CIS	151	Introduction to Telecommunications.....	3
CIS	166	C++ Programming	4
CIS	170	Introduction to Data Communications.....	3
CIS	171	Introduction to Local Area Networks	3
CIS	172	Network Administration	3
ECO	200	Introduction to Economics or	
ECO	211	Microeconomics	3
		Elective ⁶	3
MGT	111	Introduction to Business Organization.....	3
MTH	104	Plane Trigonometry	3

- ¹ Students in LAN Administration specialization are required to choose from ENG 102 or ENG 103; ENG 103 is recommended. Students in Telecommunications specialization are required to choose from ENG 102 or SPE 101; ENG 102 is recommended.
- ² Students must take nine credit hours in a minimum of two of these areas. For students specializing in Telecommunications, PHY 101, ECO 211 and ECO 212 are recommended.
- ³ ACC 101, ACC 102, CIS 103, CIS 105, CIS 118, CIS 119, CIS 121, CIS 127, CIS 132, CIS 137, CIS 138, CIS 141, CIS 144, CIS 145, CIS 146, CIS 147, CIS 148, CIS 149, CIS 154, CIS 171, CIS 205, CIS 218, CIS 223, CIS 224.
- ⁴ CIS electives: CIS 124, CIS 141, CIS 144, CIS 145, CIS 146, CIS 149, CIS 151, CIS 166, CIS 170, CIS 171, CIS 172, CIS 250, or up to three credit hours from CIS 120, CIS 122, CIS 123, CIS 125.
- ⁵ CAS/CIS electives: CAS 140, CAS 150, CAS 210, CAS 220, CIS 104, CIS 105, CIS 118, CIS 119, CIS 121, CIS 127, CIS 129, CIS 130, CIS 132, CIS 133, CIS 138, CIS 141, CIS 144, CIS 145, CIS 146, CIS 148, CIS 149, CIS 152, CIS 154, CIS 205, CIS 223, CIS 224, CIS 231.
- ⁶ CIS 105, CIS 120, CIS 132, CIS 147, CIS 149, CIS 152, CIS 176, CIS 186, CIS 196, MTH 165.