PROGRAMS

INFORMATION TECHNOLOGY - DATA MANAGEMENT

The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and\or hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

The IT: Data Management curriculum equips students with the skills necessary to manage data effectively across various platforms and systems. This includes the ability to design, implement, and maintain databases, ensuring data integrity, security, and accessibility. Students will learn to use data management tools and techniques to support business intelligence, healthcare informatics, and other specialized fields. The coursework emphasizes the importance of data governance, data quality, and the ethical use of data, preparing graduates for roles such as database administrators, data analysts, and data managers in diverse sectors.

Associate (A25590DM)

Fall Semester 1

		Lec	Lab	Clinic	Credit
ACA-115	Success & Study Skills	0	2	0	1
CIS-110	Introduction to Computers	2	2	0	3
ENG-111	Writing and Inquiry	3	0	0	3
SEC-110	Security Concepts	2	2	0	3
CTS-120	Hardware/Software Support	2	3	0	3
				Total:	13

Spring Semester 1

		Lec	Lab	Clinic	Credit
CTI-110	Web, Programming, and Database Foundation	2	2	0	3
CTI-120	Network and Security Foundation	2	2	0	3
DBA-110	Database Concepts	2	3	0	3
NOS-120	Linux/UNIX Single User	2	2	0	3
CTS-130	Spreadsheet	2	2	0	3
				Total:	15

Summer Semester 1

		Lec	Lab	Clinic	Credit
Social & Behavioral Option	Social & Behavioral Science Options Listed Below	3	0	0	3
Communications Option	Communications Options Listed Below	3	0	0	3
				Total:	6

Fall Semester 2

		Lec	Lab	Clinic	Credit
CTI-140	Virtualization Concepts	1	4	0	3
CTS-115	Information Systems Business Concepts	3	0	0	3
MAT-143	Quantitative Literacy	2	2	0	3
CCT-240	Data Recovery Techniques	2	3	0	3

Fall Semester 2

		Lec	Lab	Clinic	Credit
CIS-115	Introduction to Programming and Logic	2	3	0	3
				Total:	15

Spring Semester 2

		Lec	Lab	Clinic	Credit
CTS-250	User Support & Software Evaluation	2	2	0	3
CTS-285	Systems Analysis & Design	3	0	0	3
NOS-130	Windows Single User	2	2	0	3
Humanities Option	Humanities and Fine Arts Options Listed Below	3	0	0	3
DBA-120	Database Programming I	2	2	0	3
				Total:	15

Total Credit Hours: 64

Social and Behavioral Sciences Choices for AAS Degree Programs Unless Otherwise Noted:

		Lec	Lab	Clinic	Credit
ECO-251	Principles of Microeconomics	3	0	0	3
ECO-252	Principles of Macroeconomics	3	0	0	3
POL-120	American Government	3	0	0	3
PSY-150	General Psychology	3	0	0	3
SOC-210	Introduction to Sociology	3	0	0	3

Communications: Choose One of the following:

		Lec	Lab	Clinic	Credit
COM-120	Intro to Interpersonal Communication	3	0	0	3
COM-231	Public Speaking	3	0	0	3
ENG-112	Writing and Research in the Disciplines	3	0	0	3

Humanities/Fine Arts Choices for AAS Degree Programs Unless Otherwise Noted:

		Lec	Lab	Clinic	Credit
ART-111	Art Appreciation	3	0	0	3
HUM-110	Technology and Society	3	0	0	3
HUM-115	Critical Thinking	3	0	0	3
MUS-110	Music Appreciation	3	0	0	3

Diploma (D25590)

Fall Semester 1

		Lec	Lab	Clinic	Credit
CCT-110	Introduction to Cyber Crime	3	0	0	3
CIS-110	Introduction to Computers	2	2	0	3
CIS-115	Introduction to Programming and Logic	2	3	0	3
CTS-120	Hardware/Software Support	2	3	0	3
SEC-110	Security Concepts	2	2	0	3

Fall Semester 1

		Lec	Lab	Clinic	Credit
Communications Option	Communications Options Listed Below	3	0	0	3
				Total:	18

Spring Semester 1

		Lec	Lab	Clinic	Credit
CTI-110	Web, Programming, and Database Foundation	2	2	0	3
CTI-120	Network and Security Foundation	2	2	0	3
DBA-110	Database Concepts	2	3	0	3
NOS-120	Linux/UNIX Single User	2	2	0	3
NOS-130	Windows Single User	2	2	0	3
SEC-160	Security Administration I	2	2	0	3
				Total:	18

Summer Semester 1

		Lec	Lab	Clinic	Credit
MAT-143	Quantitative Literacy	2	2	0	3
Humanities Option	Humanities and Fine Arts Options Listed Below	3	0	0	3
				Total:	6

Total Credit Hours: 42

Communications: Choose One of the following:

		Lec	Lab	Clinic	Credit
COM-120	Intro to Interpersonal Communication	3	0	0	3
COM-231	Public Speaking	3	0	0	3
ENG-110	Freshman Composition	3	0	0	3
ENG-111	Writing and Inquiry	3	0	0	3

Humanities/Fine Arts Choices for AAS Degree Programs Unless Otherwise Noted:

		Lec	Lab	Clinic	Credit
ART-111	Art Appreciation	3	0	0	3
HUM-110	Technology and Society	3	0	0	3
HUM-115	Critical Thinking	3	0	0	3
MUS-110	Music Appreciation	3	0	0	3