PROGRAMS

INFORMATION TECHNOLOGY - ARTIFICIAL INTELLIGENCE

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: Artificial Intelligence (AI) curriculum includes a focus on artificial intelligence (AI), equipping students with the skills to develop and implement AI solutions. Coursework covers artificial intelligence fundamentals, machine learning computations, artificial intelligence I and machine learning I. Students will learn to create intelligent systems that can analyze data, make predictions, and automate processes. The program emphasizes the ethical considerations and societal impacts of AI, preparing graduates for roles such as AI developers, machine learning engineers, and data scientists in various industries.

Associate (A25590AI)

Fall Semester 1

		Lec	Lab	Clinic	Credit
ACA-115	Success & Study Skills	0	2	0	1
CIS-115	Introduction to Programming and Logic	2	3	0	3
ENG-111	Writing and Inquiry	3	0	0	3
CSC-113	Artificial Intelligence Fundamentals	2	2	0	3
CIS-110	Introduction to Computers	2	2	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
CSC-112	Machine Learning Computation	2	3	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
CSC-114	Artificial Intelligence I	2	3	0	3
SEC-110	Security Concepts	2	2	0	3
CTI-140	Virtualization Concepts	1	4	0	3
CTS-115	Information Systems Business Concepts	3	0	0	3

Fall Semester 2		Lec	Lab	Clinic	Credit
MAT-143	Quantitative Literacy	2	2	0	3
				Total:	**15**

Spring Semester 2		Lec	Lab	Clinic	Credit
CSC-115	Machine Learning I	2	3	0	3
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
				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

Certificate (C25590AI)

Fall Semester 1		Lec	Lab	Clinic	Credit
CIS-115	Introduction to Programming and Logic	2	3	0	3
CSC-113	Artificial Intelligence Fundamentals	2	2	0	3
CSC-114	Artificial Intelligence I	2	3	0	3
				Total:	**9**

Spring Semester 1

		Lec	Lab	Clinic	Credit
CSC-112	Machine Learning Computation	2	3	0	3
CTI-110	Web, Programming, and Database Foundation	2	2	0	3
				Total:	**6**

Total Credit Hours: 15