

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-110	Introduction to Computers	2	2	0	3
CIS-115	Introduction to Programming and Logic	2	3	0	3
CSC-113	Artificial Intelligence Fundamentals	2	2	0	3
ENG-111	Writing and Inquiry	3	0	0	3
				Total:	13

Spring Semester 1

		Lec	Lab	Clinic	Credit
CTI-110	Information Technology Foundations	2	2	0	3
CTI-120	Network and Security Foundations	2	2	0	3
DBA-110	Database Concepts	2	3	0	3
NOS-120	Linux Single User	2	3	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
CTI-140	Virtualization Concepts	1	4	0	3
CTS-115	Information Systems Business Concepts	3	0	0	3
Math Option	Mathematics Options Listed Below	2-3	2	0	3-4

Fall Semester 2

SEC-110 Security Concepts

Lec	Lab	Clinic	Credit
2	3	0	3
Total:			15-16

Spring Semester 2

CSC-115 Machine Learning I

CTS-250 User Support & Software Evaluation

CTS-285 Systems Analysis & Design

NOS-130 Windows Single User

Humanities Option Humanities and Fine Arts Options Listed Below

Lec	Lab	Clinic	Credit
2	3	0	3
2	2	0	3
2	2	0	3
2	2	0	3
3	0	0	3
Total:			15

Total Credit Hours: 64-65**Social and Behavioral Sciences Choices for AAS Degree Programs Unless Otherwise Noted:**

ECO-251 Principles of Microeconomics

ECO-252 Principles of Macroeconomics

POL-120 American Government

PSY-150 General Psychology

SOC-210 Introduction to Sociology

Lec	Lab	Clinic	Credit
3	0	0	3
3	0	0	3
3	0	0	3
3	0	0	3
3	0	0	3

Communications: Choose One of the following:

ENG-112 Writing and Research in the Disciplines

COM-120 Intro to Interpersonal Communication

COM-231 Public Speaking

Lec	Lab	Clinic	Credit
3	0	0	3
3	0	0	3
3	0	0	3

Mathematics: Choose at least 3 hours from the following courses:

MAT-143 Quantitative Literacy

MAT-152 Statistical Methods I

Lec	Lab	Clinic	Credit
2	2	0	3
3	2	0	4

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

ART-111 Art Appreciation

HUM-110 Technology and Society

HUM-115 Critical Thinking

MUS-110 Music Appreciation

Lec	Lab	Clinic	Credit
3	0	0	3
3	0	0	3
3	0	0	3
3	0	0	3

Certificate (C25590AI)**Fall Semester 1**

CIS-115 Introduction to Programming and Logic

CSC-113 Artificial Intelligence Fundamentals

Lec	Lab	Clinic	Credit
2	3	0	3
2	2	0	3

Fall Semester 1

CSC-114 Artificial Intelligence I

Lec	Lab	Clinic	Credit
2	3	0	3
Total:			9

Spring Semester 1CSC-112 Machine Learning Computation
CTI-110 Information Technology Foundations

Lec	Lab	Clinic	Credit
2	3	0	3
2	2	0	3
Total:			6

Total Credit Hours: 15

