

Applied Computing: Applied Artificial Intelligence Emphasis

2022-2023

Additional pathways available, to speak to an Academic Advisor call (520) 261-3970.

ARIZONA WESTERN COLLEGE COURSES

FOCUS AREAS COURSES SYSTEMS ADMINISTRATION

Course	Title	Units
CIS 231	Database Design and Programming	3
CIS 151	Web Design	3
CIS 295	Structured System Analysis & Design	3
Total		9

FOCUS AREAS COURSES CYBER OPERATIONS

Course	Title	Units
CIS 275	Fundamental of Network Security	3
CSC 127B	Computer Programming 2	4
MAT 227	Discrete Math	3
Total		10

NOTE: This is the advised sequence course for the A.A.S. in Informatics. The official degree requirements can be found in AWC's catalog.

ARIZONA WESTERN COLLEGE COURSES

FOCUS AREAS COURSES DIGITAL DESIGN

Course	Title	Units
CIS 231	Database Design and Programming	3
GRA 101	Intro to Graphic Communication	4
GRA 104	Digital Imaging I	4
Total		11

FOCUS AREAS COURSES SOFTWARE DEVELOPMENT INFORMATION MANAGEMENT

Course	Title	Units
CSC 127B	Computer Programming 2	4
CSC 215	Artificial Intelligence	4
CSC 252	Computer Organization	3
Total		11

INFORMATICS AREAS OF FOCUS CREDITS	9-11	
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TOTAL CREDITS	77-79	
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UNIVERSITY OF ARIZONA COURSES

Semester One

Course	Title	Units
ENGV 306	Advanced Composition	3
CYBV 301	Fundamentals of Cyber Security	3
APCV 320	Computational Thinking and Doing	3
APCV 302	Statistics in the Information Age	3
Total		12

Semester Two

Course	Title	Units
CYBV 326	Introductory Methods of Network	3
APCV 361	Data Analysis and Visualization	3
APCV 310	Introduction to Computing	3
CSCV 345	Analysis of Discrete Structures	3
Total		12

*Applied Artificial Intelligence students may choose one of the following APCV elective courses:

**CYBV 475: Cyber Deception Detection, NETV 434: Advanced Network and System Security, or APCV 496: Special Topics in Applied Computing.

UNIVERSITY OF ARIZONA COURSES

Semester Three

Course	Title	Units
CYBV 329	Cyber Ethics	3
CSCV 471	Artificial Intelligence	3
CYBV 474	Advanced Analytics for Security Operations	3
GEN ED	Building Connections: Upper Division GEN ED Course	3
Total		12

Semester Four

Course	Title	Units
APCV Elective**	CYBV 475: Cyber Deception Detection, NETV 434: Advanced Network and System Security, or APCV 496: Special Topics in Applied Computing	3
APCV 498	Senior Capstone	3
CYBV 473	Violent Python	3
Total		9

AAS in Informatics	77-79	
BAS Degree	45+	