



THE UNIVERSITY OF ARIZONA  
Yuma

# WESTERN CATS

## Cyber Operations

## Cyber Law & Policy Emphasis

2021-2022

### ARIZONA WESTERN COLLEGE COURSES

Semester One		
Course	Title	Units
MAT 151	College Algebra	4
ENG 101	Freshman English	3
CIS 105	Introduction to Business Information Systems	3
CIS 175	Computer Security	3
Total		13

Semester Two		
Course	Title	Units
ENG 102	Freshman English	3
ECN 240 or ECN 250	Intro to Macroeconomics or Intro to Microeconomics	3
CIS 170	Microcomputer Installation and Support	3
CIS 260	Introduction to Operating Systems	3
Physical/Biological Sciences (AGEC) - Ex. CHM 151		4
Total		16

Semester Three		
Course	Title	Units
CIS 270	Networking Fundamentals	3
CSC 127A	Programming I (Java)	4
Focus Area		3
Arts (AGEC) Ex. MUS 120		3
Humanities (AGEC) - Ex. PHI 101		3
Total		19

### ARIZONA WESTERN COLLEGE COURSES

Semester Four		
Course	Title	Units
CIS 180 or EGR 123	Computer Programming Logic or Introduction to Structured Programming	3
CIS 271	Network Administration	3
ECN 240 or	Intro to Macroeconomics or Intro to	3
Focus Area		3/4
Physical or Biological Science (AGEC) Ex. PHY 111		4
Total		16/17

Semester Five		
Course	Title	Units
CSC 210	Human Computer Interaction	4
CIS 272	Network Routing & Switching	3
Focus Area		3
Additional Courses (AGEC)		3/4
Total		13/14

Total AGEC Units	36+
Focus Area	9-11
Total Units	77-82



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

Second semester proficiency required in a second language for BAS degree. Can be fulfilled with 101 and 102 courses at AWC or CLEP exam.

Total AGECE Units	36+
Focus Area	9-11
Total Units	77-82



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#### UNIVERSITY OF ARIZONA COURSES

##### Semester Six

Course	Title	Units
CYBV 301	Fundamentals of Cybersecurity	3
CYBV 385	Introduction to Cyber Operations	3
APCV 320	Computational Thinking and Doing	3
CYBV 326	Introductory Methods of Network Analysis	3
ENGV 306	Advanced Composition	3
Total		15

##### Semester Seven

Course	Title	Units
CYBV 329	Cyber Law, Ethics & Policy	3
BASV 314	Math for Applied Science	3
CYBV 435	Cyber Threat Intelligence	3
CYBV 400	Active Cyber Defense	3
CYBV 440	Digital Espionage	3
Total		15

**NOTE:** This is the advised sequence course for the B.A.S. in Cyber Operations—Law and Policy Emphasis. The official degree requirements can be found in The University of Arizona catalog.

#### UNIVERSITY OF ARIZONA COURSES

##### Semester Eight

Course	Title	Units
CYBV 498	Senior Capstone	3
CYBV 441	Cyber War, Terror and Crime	3
CYBV 442/443	Limitations & Controls for Cyber Ops or Legal & Privacy Constraints for Cyber Ops	3
CYBV ____	Cyber Law & Policy Elective	3
Gen Ed	Individual & Society	3
Total		15

Second semester proficiency required in a second language for BAS degree. Can be fulfilled with 101 and 102 courses at AWC or CLEP exam.

AGEC A Units Required	36+
AA Units Required	77-82
BAS Degree Units Required	45+