WESTERN CATS

Network Operations

2019—2020

Year One

Semester One

Course	Title	Units	Complete
MAT 151	College Algebra	4	
ENG 101	Freshman Composition I	3	
ORI/CIS 105	Intro to Business Information Systems	3	
CIS 175	Computer Science	3	
	Total	13	

Semester Two

Course	Title	Units	Complete
ENG 102	Freshman Composition II	3	
CIS 260	Intro to Operating Systems	3	
CIS 170	Microcomputer Installation and Support	3	
ECN 240 or ECN 250	Intro to Macroeconomics Or Intro to Microeconomics (SOCIAL/BEHAVIORAL SCIENCES)	3	
Physical or Biological Science		4	
Total		16	

Semester Three

Course	Title	Units	Complete
	Arts or Humanitites	3	
CSC 127A	Intro to Computer Science	4	
CIS 270	Networking Fundamentals	3	
Arts or Humanities		3	
Writing Intensive General Ed.		3	
	Total	16	

Total Year 1 Credits	45	

Year Two

Semester Four

Course	Title	Units	Complete
CIS 271	Network Administration	3	
ECN 420 Or ECN 250	Intro to Macroeconomics Or Intro to Microeconomics (SOCIAL BEHAVIORAL SCIENCES)	4	
CIS 180 Or EGR 123	Intro to Comp. Science I Computer Programming Logic Or Introduction to Structured Programming	4	
Physical or Biological Science		4	
FOCUS AREA		3/4	
	Total	16/17	

Semester Five

Course	Title	Units	Complete
CIS 210	Human Computer Interaction	4	
CIS 272	Network Routing & Switching	3	
Writing Intensive General Ed.		3	
FOCUS AREA CHOICE		3/4	
FOCUS AREA CHOICE		3/4	
	Total	16/18	

Total Year 2 Credits	36+
TOTAL REQUIRED MAJOR CREDITS	32
INFORMATICS AREAS OF FOCUS CREDITS	9-11
TOTAL A.A.S CREDITS	77-79

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

Network Operations Science

Start UA Fall   OR   Start UA Spring

Start UA Fall

Year Three

Semester Six

Course	Title	Units	Complete
BAS 319	Ethics in Public and Private Sectors	3	
INFV 302	Statistics in Information Age	3	
NETV 370	Introduction to Network Design and Architecture	3	
INFV 320	Computational Thinking and Doing	3	
	Total		

Year Four

Semester Seven

Course	Title	Units	Complete
BASV 214	Mathematics for Applied Science	3	
INFV 310	Introduction to Informatics	3	
NETV 371	Network Security Principles	3	
ETCV 391	Preceptorship	3	
BASV 326/316	Intro Network Analysis (326) Introductory Methods of Analysis (316)	3	
	Total	15	

Semester Eight

Course	Title	Units	Complete
ENGV 306	Advanced Composition	3	
INFV 401	Introduction to Human-Computer Introduction	3	
NETV 379	Cloud Computing	3	
INFV 393	Internship	3	
	Total	12	

Semester Nine

Course	Title	Units	Complete
NETV 498	Senior Capstone	3	
INFV 378	System Administration	3	
	Total	6	

Start UA Spring

Year Three

Semester Six

Course	Title	Units	Complete
AEDV 310	Transitional Resiliency	3	
BAS 319	Ethics in Public and Private Sectors	3	
INFV 310	Transitional Resiliency	3	
INFV 320	Computational Thinking and Doing	3	
NETV 371	Network Security Principles	3	
	Total	15	

Year Four

Semester Seven

Course	Title	Units	Complete
NETV 370	Introduction to Network Design and Architecture	3	
INFV 302	Statistics in Information Age	3	
BASV 314	Mathematics for Applied Sciences	3	
BASV 326/316	Intro Network Analysis (326) Introductory Methods of Analysis (316)	3	
ETCV 371	Network Security Principles	3	
	Total	12	

Semester Eight

Course	Title	Units	Complete
NETV 498	Senior Capstone	3	
NETV 378	System Administration	3	
	Total	6	

Semester Nine

Course	Title	Units	Complete
ENGV 306	Advanced Composition	3	
INFV 401	Introduction to Human-Computer Introduction	3	
NETV 379	Cloud Computing	3	
	Total	9	

AAS in informatics with AGEC-A	**77-79**
BAS in Informatics	**45**
Total	**122-124**