



Transfer Pathway Between Estrella Mountain Community College and University of Phoenix

Associate in Applied Science Degree in Cybersecurity (Specialization V: Cyber Engineering) (Estrella Mountain Community College)

2020-2021 Catalog Year to:

Bachelor of Science in Information Technology v010A (UOPX)

UOPX General Education and Elective Program Requirements

Bachelor of Science in Information Technology Degree Requirement	Recommended Courses	Institution	Credits Utilized
Communication Arts (6 credits) [Must Include 3 credits of College Composition]	ENG 101 -or- ENG 107*	MCCCD	3
	ENG 102 -or- ENG 108*	MCCCD	3
Mathematics (6 credits) [Must Include 6 credits of Quantitative Reasoning, Statistics or College Algebra or higher]	MAT 152 College Algebra/Functions*	MCCCD	3
	MAT 142 College Mathematics**	MCCCD	3
Science and Technology (3 credits) [Must Include 3 credits in the Physical or Biological Sciences]	Any three (3) credits of Natural Sciences listed in the AAS General Education Requirements that does not duplicate*	MCCCD	3
Humanities (6 credits)	GEN/201 Foundations for University Success	UOPX	3
	ARH 101 Prehistoric Through Gothic Art*	MCCCD	3
Social Science (6 credits)	Any three (3) credits of Social-Behavioral Sciences listed in the AAS General Education Requirements that does not duplicate*	MCCCD	3
	Any three (3) credits of Social-Behavioral Sciences listed in the AAS General Education Requirements that does not duplicate**	MCCCD	3
Liberal Arts (6 credits)	COM 100 - or - COM 110 - or - COM 225 - or - COM 230*	MCCCD	3
	CIS 126DL – or – CIS 126RH*	MCCCD	3
Interdisciplinary (12 credits)	BPC 270 – or – MST 150*	MCCCD	3
	CIS 105 Survey of Computer Information Systems*	MCCCD	3
	CIS 271DB Information Security Essentials*	MCCCD	3
	ITS 240 Ethical Hacking and Network Defense*	MCCCD	3
Information Systems and Technology Electives (6 credits)++	CIS 190 – or – CNT 140AB*	MCCCD	3
	CIS 111 – or – ITS 120*	MCCCD	3
Elective (18 credits)	<i>Lower Division Elective Credits Filled by Combined Credits From:</i>		
	Any one (1) credit of Natural Sciences listed in the AAS General Education Requirements that does not duplicate*	MCCCD	1
	CIS 162++ Any C Programming: Level I course that does not duplicate, CIS 227 Assembler Language, CIS 238DL Linux System Administration - or - CIS 238RH Red Hat System Administration II, CIS 262++ Any C Programming: Level II course that does not duplicate* (Restricted Elective)	MCCCD	12
	CNT 203 CCNA Cybersecurity Operations** (excess)	MCCCD	1
	Any College-level/Transferable coursework that does not duplicate**	MCCCD	4

*Course recommended or required to maximize transfer into UOPX based off Associate degree requirements to obtain an Associate in Applied Science Degree in Cybersecurity (Specialization V: Cyber Engineering) from Estrella Mountain Community College.

**Course recommended by UOPX outside of Associate degree requirements to reach transfer credit totals listed on pathway. Students may have other options to satisfy this course requirement at University of Phoenix. Students should consult an advisor at their respective institution if they would like to take courses outside of the recommended sequence.

++Information Systems and Technology coursework seeking to be used to satisfy the Information Systems and Technology elective category must have been completed within the past five (5) years from current program enrollment sign date to be eligible for transfer.



UOPX Course of Study Requirements

Bachelor of Science in Information Technology Degree Requirement	Recommended Courses	Institution	Credits
Information Systems Fundamentals+	<i>CIS 250 Management of Information Systems*</i>	<i>MCCCD</i>	3
Cyber Domain+	<i>CNT 203 CCNA Cybersecurity Operations**</i>	<i>MCCCD</i>	3
Foundations of Security+	<i>ITS 110 Information Security Fundamentals*</i>	<i>MCCCD</i>	3
Algorithms and Logic for Computer Programming+	<i>CIS 150 Programming Fundamentals**</i>	<i>MCCCD</i>	3
Object-Oriented Scripting Language+	<i>CIS 156 Python Programming: Level I*</i>	<i>MCCCD</i>	3
Infrastructure Administration+	<i>ITS 140 Network Security**</i>	<i>MCCCD</i>	3
Data Programming Languages+	<i>CIS 276DA MySQL Database* (Restricted Elective)</i>	<i>MCCCD</i>	3
Fundamentals of Networking	NTC/362 Fundamentals of Networking	UOPX	3
Data Structures for Problem Solving	DAT/305 Data Structures for Problem Solving	UOPX	3
Fundamentals of Business Systems Development	BSA/375 Fundamentals of Business Systems Development	UOPX	3
Intro to Software Engineering	BSA/385 Intro to Software Engineering	UOPX	3
Project Planning & Implementation	CMGT/410 Project Planning & Implementation	UOPX	3
BSIT Capstone	BSA/425 BSIT Capstone	UOPX	3
Upper Division Information Systems and Technology Electives	Upper Division Information Systems and Technology Electives	UOPX	12

Institutional Credit Breakdown

Minimum Credits Required for AAS Degree in Cybersecurity (Specialization V: Cyber Engineering)	61 Credits
Credits Utilized from AAS Degree in Cybersecurity (Specialization V: Cyber Engineering)	67 Credits
Recommended Credits Outside AAS Degree in Cybersecurity (Spec. V: Cyber Engineering) to Max. Transfer	20 Credits

Total Credits Required to Complete Bachelor's Degree	120
Total Estrella Mountain Community College Applied Credits	87
Required University of Phoenix Credits (30 Upper Division)	33

+ Identifies lower division courses that can be waived using transfer coursework providing certain conditions are met upon admission to UOPX.

NOTE: This breakdown represents the recommended course sequence a student should pursue in order to transfer into University of Phoenix. This summary is an estimation of credits only based on the current catalog and degree program requirements. Actual credit may vary based on each individual student's submission. Concentrations are reflected on the transcript only. All courses that apply to an associate's degree transfer to the University of Phoenix with the exception of remedial or vocational courses. Courses must have received a grade of C- or higher to transfer.