



Transfer Pathway Between Estrella Mountain Community College and University of Phoenix

Associate in Applied Science Degree in Artificial Intelligence and Machine Learning (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*	EMCC	3
	ENG 102 -or - ENG 108*	EMCC	3
Mathematics (6 credits) [Must Include 6 credits of Quantitative Reasoning, Statistics or College Algebra or higher]	MAT 220 – or – MAT 221*	EMCC	4
	MAT 206 Elements of Statistics*	EMCC	2
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*	EMCC	3
Humanities (6 credits)	GEN/201 Foundations for University Success	UOPX	3
	ARH 101 Prehistoric Through Gothic Art*	EMCC	3
Social Science (6 credits)	Any three (3) credits of Social-Behavioral Sciences listed in the AAS General Education Requirements that does not duplicate*	EMCC	3
	Any three (3) credits of Social-Behavioral Sciences listed in the AAS General Education Requirements that does not duplicate**	EMCC	3
Liberal Arts (6 credits)	Any three (3) credits of Oral Communication listed in the AAS General Education Requirements that does not duplicate*	EMCC	3
	MAT 225 Elementary Linear Algebra*	EMCC	3
Interdisciplinary (12 credits)	AIM 100 Introduction to Artificial Intelligence*	EMCC	3
	AIM 220 Artificial Intelligence for Computer Vision*	EMCC	3
	AIM 230 Artificial Intelligence for Business Solutions*	EMCC	3
	AIM 240 Artificial Intelligence Capstone Project *	EMCC	3
Information Systems and Technology Electives (6 credits)++	AIM 110 Introduction to Machine Learning*	EMCC	3
	AIM 210 Natural Language Processing*	EMCC	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*	EMCC	1
	MAT 206 Elements of Statistics* (excess)	EMCC	1
	ECE 102 Engineering Analysis Tools and Techniques*	EMCC	2
	ECE 103 Engineering Problem Solving and Design*	EMCC	2
	Any College-level/Transferable coursework that does not duplicate**	EMCC	12

*Course recommended or required to maximize transfer into UOPX based off Associate degree requirements to obtain an Associate in Applied Science Degree in Artificial Intelligence and Machine Learning 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+ Cyber Domain+	<i>CIS 250 Management of Information Systems**</i>	EMCC	3
Foundations of Security+	<i>CNT 203 CCNA Cybersecurity Operations**</i>	EMCC	3
Algorithms and Logic for Computer Programming+	<i>ITS 110 Information Security Fundamentals**</i>	EMCC	3
Object-Oriented Scripting Language+	<i>CIS 150 Programming Fundamentals* (Restricted Elective)</i>	EMCC	3
Infrastructure Administration+	<i>CIS 156 Python Programming: Level I*</i>	EMCC	3
Data Programming Languages+	<i>ITS 140 Network Security**</i>	EMCC	3
Fundamentals of Networking	<i>CIS 276DA MySQL Database*</i>	EMCC	3
Data Structures for Problem Solving	NTC/362 Fundamentals of Networking	UOPX	3
Fundamentals of Business Systems Development	DAT/305 Data Structures for Problem Solving	UOPX	3
Intro to Software Engineering	BSA/375 Fundamentals of Business Systems Development	UOPX	3
Project Planning & Implementation	BSA/385 Intro to Software Engineering	UOPX	3
BSIT Capstone	CMGT/410 Project Planning & Implementation	UOPX	3
Upper Division Information Systems and Technology Electives	BSA/425 BSIT Capstone	UOPX	3
	Upper Division Information Systems and Technology Electives	UOPX	12

Institutional Credit Breakdown

Minimum Credits Required for AAS Degree in Artificial Intelligence and Machine Learning	60 Credits
Credits Utilized from AAS Degree in Artificial Intelligence and Machine Learning	60 Credits
Recommended Credits Outside AAS Degree in Artificial Intelligence and Machine Learning to Max. Transfer	27 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.