![University of Phoenix logo]

3+1 Transfer Pathway Between Houston Community College System, Sophia Learning, LLC and University of Phoenix

Associate of Applied Science Degree in Artificial Intelligence (Houston Community College System)
2022-2023 Catalog Year and coursework from Sophia Learning, LLC
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 three (3) credits of College Composition]	ENGL 1301 Composition I* -or- Sophia Learning Course: ENG 1001 English Composition I	HCCS/Sophia	3
	SPCH 1315 Public Speaking** -or- Sophia Learning Course: COMM 1002 Public Speaking	HCCS/Sophia	3
Mathematics (6 credits) [Must Include six (6) credits of Quantitative Reasoning, Statistics, College Algebra or Calculus] [Math Proficiency Requirement]	MATH 1314 College Algebra* -or- Sophia Learning Course: CA 1001 College Algebra	HCCS/Sophia	3
	MATH 1342 Elementary Statistical Methods** - or - Sophia Learning Course: STAT 1001 Introduction to Statistics	HCCS/Sophia	3
Science and Technology (3 credits) [Must Include three (3) credits in the Physical or Biological Sciences]	BIOL 1308 Biology for Non-Science Majors I (Lecture)* (General Education Elective) – or - Sophia Learning Course: HUMBIO 1001 Human Biology	HCCS/Sophia	3
Humanities (6 credits) [Must Include GEN/201 Foundations for University Success]	GEN/201 Foundations for University Success	UOPX	3
	PHIL 1301 Introduction to Philosophy*	HCCS	3
Social Science (6 credits)	HIST 1301 -or- HIST 1302* (Humanities/Fine Arts Electives) – or- Sophia Learning Courses: HIST 1001 -or– HIST 1002	HCCS/Sophia	3
	PSYC 2301 -or- SOCI 1301-or- ECON 2301 -or- ECON 2302** -or- Sophia Learning Courses: PSYC 1010-or- SOCI 1010 -or- ECON 1001 -or- ECON 1002	HCCS/Sophia	3
Liberal Arts (6 credits)	ITAI 1372 Artificial Intelligence (A I) in Cybersecurity*	HCCS	3
	ITSC 1307 UNIX Operating System I*	HCCS	3
Interdisciplinary (12 credits)	EDUC 1300 Learning Framework* -or- Sophia Learning Course: COLLEGE 1001 College Readiness	HCCS/Sophia	3
	ITAI 1378 Computer Vision for Artificial Intelligence (A I)*	HCCS	3
	ITNW 1313 Computer Virtualization*	HCCS	3
	ITAI 2374 Robot Operating System & Platforms in Artificial Intelligence (A I)*	HCCS	3
Information Systems and Technology Electives (6 credits)++	ITAI 1370 Artificial Intelligence (A I) History, Theory, and Platforms*	HCCS	3
	ITAI 1371 Introduction to Machine Learning*	HCCS	3
Elective (18 credits)	*Lower Division Elective Credits Filled by Combined Credits From* COSC 1436 Programming Fundamentals I (excess), ITAI 2373 Natural Language Processing (NLP), ITAI 2372 Artificial Intelligence (A I) Applications & Case Histories, ITSE 1346 Database Theory and Design, ITAI 2377 Data Science in Artificial Intelligence (A I), ITAI 2376 Deep Learning in Artificial Intelligence (A I), ITAI 2275 -or- ITAI 2277*	HCCS	18

*Course recommended or required to maximize transfer into UOPX based off Associate degree requirements to obtain an Associate of Arts Degree in Business from Houston Community College System. Students have the option of completing a Sophia Learning equivalent course to full the AA degree requirements based on HCC's consulting.

**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, including Sophia Learning coursework. 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+	*ITSC 1301 Introduction to Computers***	HCCS	3
Cyber Domain+	*ITSY 1342 Information Technology Security***	HCCS	3
Foundations of Security+	*ITSY 2401 Firewalls and Network Security***	HCCS	3
Algorithms and Logic for Computer Programming+	*COSC 1436 Programming Fundamentals I**	HCCS	3
Object-Oriented Scripting Language+	*COSC 1437 Programming Fundamentals II***	HCCS	3
Infrastructure Administration+	*ITSE 2473 Cloud Computing I- Solutions Architect***	HCCS	3
Data Programming Languages+	*INEW 2438 Advanced Java Programming***	HCCS	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 Artificial Intelligence (including Sophia Learning coursework)	60 Credits
Credits Utilized from AAS Degree in Artificial Intelligence (including Sophia Learning coursework)	60 Credits
Recomm. Credits Outside AAS Degree in Artificial Intelligence (incl. Sophia Learning coursework) to Max. Transfer	27 Credits

Total Credits Required to Complete Bachelor's Degree   120

Total Houston Community College System/ Sophia Learning, LLC 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.

Students will still need to meet HCCS residency requirements to earn an Associate's degree from HCCS. Students will need to consult with HCCS to ensure they are meeting all necessary requirements for graduation. This pathway form does not supersede guidance provided by HCCS related to their programs.

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.