

2+2 Academic Plan

Harper College *Associate in Arts to EU Bachelor of Science in Information Technology*

Harper College		Elmhurst University	
Associate of Arts Degree Requirements	Credits		Credits
<u>General Education Core Curriculum Requirements:</u>	43	<u>General Education Equivalencies:</u>	
<u>Communication:</u> <i>Written:</i> ENG 101 and 102 (Grade of “C” or higher required for both courses.) <i>Oral:</i> SPE 101	9	<u>Writing & Reasoning:</u> ENG 105 Composition I ENG 106 Composition II COM 213 Public Speaking	
<u>Mathematics:</u> <i>Mathematics:</i> MTH 103 College Algebra (3) AND MTH 165 Elementary Statistics (4)	8	<u>Mathematics:</u> <i>Mathematics:</i> MTH 121 College Algebra AND MTH 345 Statistics	

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<p><u>Physical & Life Sciences:</u></p> <p>Three courses required – Select at least one course from Life Sciences and at least one course from Physical Sciences.</p> <p><u>Life Sciences:</u></p> <p><i>Biology:</i> 104, 110, 115, 116, 120, 140</p> <p><u>Physical Sciences:</u></p> <p><i>Astronomy:</i> 101, 112, 115</p> <p><i>Chemistry:</i> 103, 105, 110, 121</p> <p><i>Earth Science:</i> 110, 111, 112, 113, 121</p> <p><i>Geography:</i> 111 and 112</p> <p><i>Physics:</i> 110, 112, 121, 201</p>	8	<p><u>Physical & Life Sciences Equivalencies:</u></p> <p><u>Life Sciences:</u></p> <p>Biology: BIO 105 Environmental Biology, BIO 100 Principles of Biology, BIO 200 General Biology I, BIO 201 General Biology II, Life Sciences Area of Knowledge, BIO 221 Microbiology for Health Professionals</p> <p><u>Physical Sciences:</u></p> <p>Astronomy: All equivalent to AST 212 Introduction to Astronomy</p> <p>Chemistry: Physical Sciences Area of Knowledge, CHM 100 Chemistry in the Natural World, CHM 101 General Chemistry, CHM 211 Chemical Principles I</p> <p>Earth Science: Physical Sciences Area of Knowledge, GEO 102 Earth System Science, Physical Sciences Area of Knowledge, Physical Sciences Area of Knowledge, GEO 105 Intro to Atmospheric Science</p> <p>Geography: GEO 102 Earth System Science</p> <p>Physics: PHY 101 Physical Science, Physical Sciences Area of Knowledge, PHY-111 Introductory Physics I, PHY 121 General Physics I</p>	
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<p><u>Humanities & Fine Arts Requirements:</u> Select three courses total with at least one Humanities course and one Fine Arts course.</p> <p>Humanities:</p> <p>Chinese: 202 French: 202, 210 German: 202, 210 Japanese: 202 Spanish: 202, 210</p> <p>History or Humanities: 105</p> <p>Literature: 105, 110, 115, 206, 207, 208, 210, 221, 222, 223, 224, 231, 232</p> <p>Philosophy: 105, 115, 160, 205, 215, 225, 232, 232</p> <p>Sign Language: 202, 210</p> <p>Fine Arts:</p> <p>Art: 105, 114, 130, 131, 132, 133</p> <p>Mass Communication – Multimedia: 200</p> <p>Music: 103, 104, 107, 108</p> <p>Theater: 111, 121</p>	9	<p><u>Humanities & Fine Arts Equivalencies:</u></p> <p>Any course within the Humanities discipline listed will fulfill a requirement for an Area of Knowledge or Tag within the Elmhurst University Integrated Curriculum.</p> <p>Fine Arts Courses:</p> <p>Art: Fine Arts Area of Knowledge, Fine Arts Area of Knowledge ART-341 Survey History of Western Art, ART-342 Survey History of Modern Art, Fine Arts Area of Knowledge</p> <p>MCM: Fine Arts Area of Knowledge</p> <p>Music: Fine Arts Area of Knowledge Fine Arts Area of Knowledge, Fine Arts Area of Knowledge, MUS-310</p> <p>Theater: THE-227, Fine Arts Area of Knowledge</p>	
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<p><u>Social & Behavioral Sciences:</u></p> <p>Select 3 courses from at least two disciplines.</p> <p>Anthropology: 101, 202</p> <p>Geography: 101, 103, 104</p> <p>History: 111, 112, 121, 141, 142, 231, 232, 241, 242, 243, 245</p> <p>Political Science: 101, 220, 250, 270, 280</p> <p>Psychology: 101</p> <p>Sociology: 101, 205, 230, 235</p> <p>** SOC 101 and PSY 101 both fulfill the same Area of Knowledge at Elmhurst. It is recommended to take only one of the two courses.</p>	<p>9</p>	<p>Elmhurst University Equivalencies</p> <p>Completion of THREE courses in this category at Harper College satisfies Elmhurst University Integrated Curriculum requirements.</p>	
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<p><u>Prescribed General Electives:</u> Complete the following courses at Harper College:</p> <p>CIS 101 Introduction to Computer Information Systems (3) CIS 106 Computer Logic and Programming Technology (3) CSC 121 Computer Science I (4) CSC 214 Introduction to Java Programming (4) CIS 143 Introduction to Database Systems (3) NET 121 Computer Networking (3) –OR- NET 122 Internet Protocols (3)</p>	20	<p><u>Prescribed General Electives Equivalencies:</u></p> <p>IT 228 Computer Organization and Architecture General Elective CS 220 Computer Science I IT 232 Introduction to Programming in JAVA IT 348 Databases IT 312 Fundamentals of Networking</p>	
<p><u>General Electives:</u> Fulfill remaining elective hours from other disciplines.</p>	1-7		
<p>Total Harper College Credits *Elmhurst University will accept up to 70 credits in transfer</p>	64-70*		

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	<p><u>Information Technology Major Requirements:</u></p> <p><u>Computer Information Systems Track:</u> IT 408 Web Design and Development (4) IT 482 Project Development (Capstone) (4) IS 424 Systems Analysis and Design (4) IS 425 Information Systems Management (4) -AND- Select one of the following: CS 405 Cryptography (4) CS 409 Computer Security and Risk Management (4) CS 410 Cyber Crime Investigations and Forensics (4) CS412 Wireless, Mobile, and Cloud Security (4)</p> <p><u>Cyber Security Track:</u> CS 405 Cryptography (4) CS 409 Computer Security and Risk Management (4) CS 410 Cyber Crime Investigations and Forensics (4) CS 412 Wireless, Mobile, and Cloud Security (4) IS 425 Information Systems Management (4)</p> <p><u>Programming Track:</u> IT 408 Web Design and Development (4) IT 482 Project Development (Capstone) (4) Two Additional Programming Courses Selected by Faculty Advisor (4) -AND- Select one of the following: CS 405 Cryptography (4) CS 409 Computer Security and Risk Management (4) CS 410 Cyber Crime Investigations and Forensics (4) CS412 Wireless, Mobile, and Cloud Security (4)</p>	<p>20</p>
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	<p><u>Remaining Course Credits to be Completed at Elmhurst University:</u></p> <p>*** PLEASE NOTE: Students may choose three different pathways to complete this coursework.</p> <ol style="list-style-type: none">1) Selecting Information Technology Major & adding a second major.2) Selecting an additional minor or complete credits by taking elective courses.3) Utilize credit hours towards completion of an internship within the field.	38-44
	Total Elmhurst University Credits	128