

2+2 Academic Plan

COD Associate in Applied Science Cyber Security and Defense to EU Bachelor of Science in Cybersecurity

College of DuPage		Elmhurst University	
	Credits		Credits
<b>Associate of Applied Science Degree</b>			
<b><u>General Education Core Curriculum Requirements:</u></b>	<b>19-22</b>	<b><u>General Education Equivalencies:</u></b>	
<b><u>Communication:</u></b>  <i>Written:</i> ENGLI 1101  <i>Oral:</i> SPEEC 1100	<b>6</b>	<b><u>Writing &amp; Communication:</u></b>  ENG 105 Composition I  COM 213 Public Speaking (also a major requirement)	
<b><u>Mathematics:</u></b>  MATH 2231 Calculus	<b>3 to 5</b>	<b><u>Mathematics:</u></b>  MTH 151 Calculus I	

## 2+2 Academic Plan

# COD Associate in Applied Science Cyber Security and Defense to EU Bachelor of Science in Cybersecurity

<p><b><u>Physical &amp; Life Sciences:</u></b></p> <p>Select one course from Life Sciences or one course from Physical Sciences</p> <p><b><u>Life Sciences:</u></b></p> <p><b><i>Biology:</i></b> 1100, 1110, 1151  <b><i>Botany:</i></b> 2350  <b><i>Microbiology:</i></b> 1420</p> <p><b><u>Physical Sciences:</u></b></p> <p><b><i>Chemistry:</i></b> 1105, 1205, 1211, 1551</p> <p><b><i>Earth Science:</i></b> 1101, 1102, 1105, 1110, 1115, 1122, 1124, 1130, 1140</p> <p><b><i>Physics:</i></b> 1100, 1201, 2111</p>	<p>4 to 5</p>	<p><b><u>Physical &amp; Life Sciences Equivalencies:</u></b></p> <p><b><u>Life Sciences:</u></b></p> <p><b><i>Biology:</i></b> BIO 100 Principles of Biology, BIO 105 Environmental Biology, BIO 200 General Biology I  <b><i>Botany:</i></b> Life Sciences Area of Knowledge  <b><i>Microbiology:</i></b> BIO 221 Microbiology for Health Professionals</p> <p><b><u>Physical Sciences:</u></b></p> <p><b><i>Chemistry:</i></b> CHM 100 Chemistry in the Natural World, CHM 101 General Chemistry, CHM 211 Chemical Principles I *(note prerequisite)</p> <p><b><i>Earth Science:</i></b> GEO 102 Earth System Science, GEO 105 Intro to Atmospheric Science, PHY 212 Intro to Astronomy</p> <p><b><i>Physics:</i></b> Physical Sciences Area of Knowledge, PHY-111 Introductory Physics I, PHY 121 General Physics I *(note: prerequisite)</p>
---	---------------	--

## 2+2 Academic Plan

# COD Associate in Applied Science Cyber Security and Defense to EU Bachelor of Science in Cybersecurity

<p><b><u>Humanities &amp; Fine Arts Requirements:</u></b> Select one course from the list below.</p> <p><b>Humanities:</b></p> <p>English 1130, 1150, 1151, 1152, 2250, 2251, 2252, 2253</p> <p>History 1110, 1120, 1160, 2205, 2220, 2225, 2230, 2235</p> <p>Philosophy 1100, 1110, 1116</p> <p>Religious Studies 1100, 1150, 2160</p> <p><b>Fine Arts:</b></p> <p><b>Art:</b> 1100, 2211, 2212, 2213, 2214</p> <p><b>Music:</b> 1100, 1104, 1115</p> <p><b>Theater:</b> 1100</p>	<b>3</b>	<p><b><u>Humanities &amp; Fine Arts Equivalencies:</u></b></p> <p><b>Humanities:</b></p> <p><b>English:</b> All listed English courses will fulfill the Literature Area of Knowledge for the EU Integrated Curriculum.</p> <p><b>History:</b> All listed English courses will fulfill the Historical Analysis Area of Knowledge for the EU Integrated Curriculum.</p> <p><b>Philosophy:</b> All listed English courses will fulfill the Inquiry into Ethics and Justice Area of Knowledge for the EU Integrated Curriculum.</p> <p><b>Religious Studies:</b> All listed English courses will fulfill the Religious Studies in Context Area of Knowledge for the EU Integrated Curriculum.</p> <p><b>Fine Arts Courses:</b></p> <p><b>Art :</b> Fine Arts Area of Knowledge, ART-341, ART-342, Historical Analysis Area of Knowledge,</p> <p><b>Music:</b> Fine Arts Area of Knowledge, Fine Arts Area of Knowledge, MUS-310</p> <p><b>Theater:</b> THE-227 (Fine Arts Area of Knowledge)</p>	
--	----------	--	--

2+2 Academic Plan

*COD Associate in Applied Science Cyber Security and Defense to EU Bachelor of Science in Cybersecurity*

<p><b><u>Social &amp; Behavioral Sciences:</u></b></p> <p>Select one course from the list below.</p> <p><b>Anthropology:</b> 1000, 1100, 1105, 1130, 1200, 1400</p> <p><b>Economics:</b> 2200, 2201, 2202</p> <p><b>Geography:</b> 1100, 1105, 1120, 1130, 1140</p> <p><b>History:</b> 1130, 1140, 2210, 2215, 2260</p> <p><b>Political Science:</b> 1100, 1101, 2203, 2220</p> <p><b>Psychology:</b> 1100</p> <p><b>Sociology:</b> 1100</p>	<p><b>3</b></p>	<p><b>Elmhurst University Equivalencies</b></p> <p>Completion of the course in this category at College of DuPage satisfies one Elmhurst University Integrated Curriculum requirement.</p>	
--	-----------------	--	--

## 2+2 Academic Plan

### COD Associate in Applied Science Cyber Security and Defense to EU Bachelor of Science in Cybersecurity

<p><b><u>Prescribed General Electives:</u></b></p> <p><b>Cybersecurity AAS:</b>          CIT 1121 Introduction to Networks (3)          CIT 1122 Routing and Switching Essentials (3)          CIT 1123 Sealing Networks, Security and Automation (3)          CIS 1450 <b>-OR-</b> CIT 1450 Introduction to Linux/Unix Operating Systems (3)          CIT 2640 Ethical Hacking (3)          CIT 2651 Computer Forensics I (3)</p>	<p><b>21</b></p>	<p><b><u>Prescribed General Electives Equivalencies:</u></b></p> <p><b>Cybersecurity Major:</b>          CIT 1121 + 1122 + 1123 = CS 360 Computer Networks</p> <p>CS 205 Linux          CYS 415 Ethical Hacking and Penetration Testing          CYS 410 Cyber Crime Investigations and Digital Forensics</p>	
<p><b><u>Additional COD Requirements:</u></b></p> <p>CIT 1640 Network Security Fundamentals (3)          CIT 1710 Introduction to Servers (3)          CIT 2173 Visualization: Install, Configure, Manage (3)          CIT 2251 Enterprise Network Security (3)          CIT 2510 Advanced Server Administration (3)          CIT 2511 Advanced Server Configuration (3)</p> <p>Select any 10 credits from any 2000 level CIT courses in addition to all coursework listed above.</p>	<p><b>25</b></p>	<p><b><u>Additional COD Requirement Equivalencies at EU:</u></b></p> <p>All of these COD courses will be counted as general elective credit towards graduation hours in transfer.</p>	
<p><b>Total College of DuPage Credits</b></p>	<p><b>65-68</b></p>		

## 2+2 Academic Plan

### COD Associate in Applied Science Cyber Security and Defense to EU Bachelor of Science in Cybersecurity

	<p><b><u>Cybersecurity Major Requirements</u></b></p> <p>CS 220 Computer Science I CS 255 Computer Science II CS 310 Computer Organization and Programming in Assembly CS 320 Data Structures and Analysis of Algorithms CS 420 Operating Systems CYS 405 Cryptography CYS 409 Foundations of Information Assurance MTH 301 Discrete Mathematics MTH/CS 302 Discrete Mathematics II CS 475 Software Engineering (Capstone Course)</p> <p><b><u>Remaining Course Credits to be Completed at Elmhurst University:</u></b></p> <p>ENG 106 Composition II 6 Areas of Knowledge within the Integrated Curriculum Remaining Skills/Values Tags World Language Requirements – if two years were not completed within HS, one year is required at EU.</p> <p>*The number of remaining courses may be less depending on final transferred coursework.</p>	<p><b>40</b></p> <p><b>28-36</b></p>
	<p><b>Total Elmhurst University Credits</b></p>	<p><b>133-144</b></p>