

# CYBERSECURITY OF FINTECH (NEXUS)

## Program of Study

Code	Title	Credit Hours
<b>Area A Essential Skills</b>		
ENGL 1101	English Composition I (with a grade of "C" or better)	3
ENGL 1102	English Composition II (with a grade of "C" or better)	3
MATH 1113	Pre-Calculus	4
Area A Total		10
<b>Area B Institutional Options</b>		
B1: Select 3 hours of from the following courses:		3
COMM 1110	Public Speaking	
Any Foreign Language 1001, 1002, 2001, 2002		
B2: Select 1 hour from the following choices:		1
ITDS 1779	Scholarship Across the Disciplines	
LEAD 1705	Introduction to Servant Leadership	
PERS 1506	Perspectives 1-hour	
Area B Total		4
<b>Area C Humanities/Fine Arts/Ethics</b>		
Select one of the following humanities courses:		3
ENGL 2111	World Literature I	
ENGL 2112	World Literature II	
ITDS 1145	Comparative Arts <sup>1</sup>	
ITDS 1155	The Western Intellectual Tradition	
ITDS 2125	Historical Perspectives on the Philosophy of Science and Mathematics	
PHIL 2010	Introduction to Philosophy	
Select one of the following fine arts courses:		3
ARTH 1100	Art Appreciation	
ITDS 1145	Comparative Arts <sup>1</sup>	
MUSC 1100	Music Appreciation	
THEA 1100	Theatre Appreciation	
ARTH 2125	Introduction to the History of Art I– Prehistoric through Gothic	
ARTH 2126	Introduction to the History of Art II– Renaissance through Modern	
Area C Total		6
<b>Area D Science/Math/Technology</b>		
D1: Select two science courses from the following list, taking a total of 7 hours. One science course must include a lab; the other science course does not require a lab.		7
ANTH 1145	Human Origins	
ASTR 1105 & ASTR 1305	Descriptive Astronomy: The Solar System and Descriptive Astronomy Lab ((lab optional))	
ASTR 1106 & ASTR 1305	Descriptive Astronomy: Stars and Galaxies and Descriptive Astronomy Lab	
ATSC 1112 & 1112L	Understanding the Weather and Understanding the Weather Lab	
BIOL 1125	Contemporary Issues in Biology Non-Lab	
BIOL 1225K	Contemporary Issues in Biology with Lab	
CHEM 1151 & 1151L	Survey of Chemistry I and Survey of Chemistry I Lab	
CHEM 1152 & 1152L	Survey of Chemistry II and Survey of Chemistry II Lab	
CHEM 1211 & 1211L	Principles of Chemistry I and Principles of Chemistry I Lab	
CHEM 1212 & 1212L	Principles of Chemistry II and Principles of Chemistry II Lab	
ENVS 1105 & 1105L	Environmental Studies and Environmental Studies Laboratory ((lab optional))	
ENVS 1205K	Sustainability and the Environment	
GEOL 1110	Natural Disasters: Our Hazardous Environment	
GEOL 1121 & 1121L	Introductory Geoscience I: Physical Geology and Introductory Geoscience I: Physical Geology Lab	
GEOL 1122 & GEOL 1322	Introductory Geo-sciences II: Historical Geology and Introductory Geo-sciences II: Historical Geology Lab	
GEOL 2225	The Fossil Record	
PHYS 1111 & PHYS 1311	Introductory Physics I and Introductory Physics I Lab	
PHYS 1112 & PHYS 1312	Introductory Physics II and Introductory Physics II Lab	
PHYS 1125 & PHYS 1325	Physics of Color and Sound and Physics of Color and Sound Lab (lab optional)	
PHYS 2211 & PHYS 2311	Principles of Physics I and Principles of Physics I Lab	
PHYS 2212 & PHYS 2312	Principles of Physics II and Principles of Physics II Lab	
Select the following course:		
STAT 1401	Elementary Statistics	3
Area D Total		10
<b>Area E Social Sciences</b>		
HIST 2111	U. S. History to 1865	3
or HIST 2112	U. S. History since 1865	
POLS 1101	American Government	3
Select one behavioral science course from the following courses:		3
ECON 2105	Principles of Macroeconomics	
ECON 2106	Principles of Microeconomics	
PHIL 2030	Moral Philosophy	
PSYC 1101	Introduction to General Psychology	
SOCI 1101	Introduction to Sociology	
Select one world cultures course from the following courses:		3
ANTH 1105	Cultural Anthropology	
ANTH 1107	Discovering Archaeology	
ANTH 2105	Ancient World Civilizations	
ANTH 2136	Language and Culture	
ENGL 2136	Language and Culture	
GEOG 1101	World Regional Geography	
HIST 1111	World History to 1500	
HIST 1112	World History since 1500	

ITDS 1156	Understanding Non-Western Cultures	
<b>Area E Total</b>		<b>12</b>
<b>Area F Courses Related to Major</b>		
CYNX 2115	Information Technology Fundamentals	3
CYNX 2159	Fundamentals of Computer Networks	3
CYNX 3166	Professionalism in the Cybersecurity Workforce	3
CYNX 3455	Cybersecurity Apprenticeship I	3
CYNX 3135	Infrastructure Security	3
CYNX 4128	Penetration Testing Student	3
<b>Area F Total</b>		<b>18</b>
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> ITDS 1145, though listed under both humanities and fine arts, may be taken only once.