# CYBERSECURITY OF FINTECH (NEXUS)

## Program Overview

The Cybersecurity Nexus is a 60-credit undergraduate program designed largely for the training of cybersecurity professionals to meet the local and statewide need. Most of the coursework in this program encompasses CSU's Core Curriculum requirements in addition to 18 hours of cybersecurity coursework.

## Career Opportunities
## Program of Study

| Code | Title | Credit Hours |
|------|-------|--------------|
| **Area A Essential Skills** | | |
| 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 |
| **Area B Institutional Options** | | |
| 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 |
| **Area C Humanities/Fine Arts/Ethics** | | |
| Select one of the following humanities courses: | | 3 |
| ENGL 2111 | World Literature I | |
| ENGL 2112 | World Literature II | |
| ITDS 1145 | Comparative Arts [1] | |
| 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 [1] | |
| 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 |
| **Area D Science/Math/Technology** | | |
| 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 |
| **Area E Social Sciences** | | |
| 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 | |
| Area E Total | | 12 |
| **Area F Courses Related to Major** | | |
| 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 |
| Area F Total | | 18 |
| **Total Credit Hours** | | **60** |

[1] ITDS 1145, though listed under both humanities and fine arts, may be taken only once.

# Program Map

Nexus Degree Program Map 2023 (https://catalog.columbusstate.edu/academic-units/business/computer-science/computer-science-nexus-cybersecurity-fintech/Nexus_Degree_Program_Map_2023_1_.pdf)

# Admission Requirements

There are no program specific admission requirements.

# Additional Program Requirements