

# INFORMATION TECHNOLOGY (ONLINE) (BSIT)

## Program of Study

Click on the Program Map tab to view a term-by-term guide for completing the program requirements.

## Core Requirements

Code	Title	Credit Hours
<b>Area A Essential Skills</b>		
ENGL 1101	English Composition I (minimum grade of C)	3
ENGL 1102	English Composition II (minimum grade of C)	3
MATH 1113	Pre-Calculus (the extra credit of MATH applies to Area G)	4
Area A Total		9
<b>Area B Institutional Options <sup>1</sup></b>		
B1: Select 3 hours of the following courses		3
COMM 1110	Public Speaking	
Any Foreign Language 1001, 1002, 2001, 2002		
B2: Select 1 hour of the following courses: <sup>1</sup>		1
ITDS 1779	Scholarship Across the Disciplines	
LEAD 1705	Introduction to Servant Leadership	
PERS 1506	Perspectives 1-hour	
PERS 1507	Perspectives 2-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>2</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>2</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 of the following lab science courses:		8
ASTR 1105 & ASTR 1305	Descriptive Astronomy: The Solar System and Descriptive Astronomy Lab	
ATSC 1112 & 1112L	Understanding the Weather and Understanding the Weather Lab	
BIOL 1215K	Principles of Biology	
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	
GEOL 1121	Introductory Geoscience I: Physical Geology	
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	
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	
D2: Take the following course		3
MATH 1113	Pre-Calculus	
Area D Total		11
<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 of the following behavioral science 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 of the following world cultures 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	
INTS 2105	Introduction to International Studies and Cross-Cultural Learning	
ITDS 1156	Understanding Non-Western Cultures	
Area E Total		12
<b>Wellness Requirement</b>		
PHED 1205	Concepts of Fitness	2
Select one PEDS course ( <a href="https://catalog.columbusstate.edu/course-descriptions/peds/#peds">https://catalog.columbusstate.edu/course-descriptions/peds/#peds</a> )		1

Wellness Total	3
Total Credit Hours	45

<sup>1</sup> Note: Students whose majors require 2 lab science courses in Area D complete Area B and Area D with a combined total of 15 credit hours. Any additional hours may be applied to Area F or beyond, depending on the program of study. Students should consult their advisors.

- Area B1, 3 hours;
- Area B2, 1 hour;
- Area D1, 8 hours;
- Area D2, 3 hours.

<sup>2</sup> ITDS 1145 Comparative Arts, though listed under both humanities and fine arts, may be taken only once.

## Major Requirements

Code	Title	Credit Hours
<b>Core Requirements</b>		
Complete the core requirements for this program		45
Core Total		45
<b>Area F Courses Related to Major</b>		
Minimum grade of C is required in each CPSC and MISM course		
CPSC 1301K	Computer Science I	4
CPSC 1302	Computer Science II	3
CPSC 2105	Computer Organization	3
CYBR 2106	Intro to Information Security	3
CYBR 2159	Fundamentals of Computer Networks	3
Select the following course (the extra credit of MATH applies to Area G):		2
MATH 2125	Introduction to Discrete Mathematics	
Area F Total		18
<b>Area G Required Core Courses</b>		
Minimum grade of C is required in each CPSC and MISM course		
CPSC 3118	Graphical User Interface Development	3
CPSC 3131	Database Systems I	3
CPSC 3165	Professionalism in Computing	3
CPSC 3415	Information Technology (IT) Practicum (take 3 times in 3 different approved subject areas)	3
CPSC 4205	IT Senior Capstone	3
ENGL 5195U	Technical and Scientific Writing	3
MISM 2115	Introduction to Information Systems in Business	3
MISM 3109	Principles of Information Technology Management for Non-Business Majors	3
MISM 4165	Project Management	3
MISM 4168	Systems Analysis & Design	3
Math from Area A		1
Math from Area F		1
Area G Total		32
<b>Area H Program Electives</b>		
Minimum grade of C is required in each course.		
CPSC/CYBR/	Select 2 credits	2
MISM		
CPSC/CYBR/	Select 12 credits at the 3000 level or above	12
MISM		

Area H Total	14
--------------	----

### Area I General Electives

Select 14 credits, the following are recommended Courses for Business Minor: <sup>1</sup>

ACCT 2101	Principles of Accounting I	
BUSA 3135	International Business	
ECON 2106	Principles of Microeconomics	
MGMT 3109	Principles of Management for Non-Business Majors	
MKTG 3109	Principles of Marketing for Non-Business Majors	
Area I Total		14
Total Credit Hours		123

<sup>1</sup> Note: Students are limited to no more than 30 credits of courses from the DATCoB with the following prefixes: ACCT/BUSA/MISM/ECON/ENTR/FINC/FTA/MGMT/MKTG.

## To Include Certificate in Cybersecurity

Code	Title	Credit Hours
<b>Core Requirements</b>		
Complete the core requirements for this program		45
Core Total		45
<b>Area F/G/I</b>		
Complete the requirements for Areas F, G and I		64
Area F/G/I total		64
<b>Area H Program Electives</b>		
Minimum grade of C is required in each CPSC and MISM course		
CPSC/CYBR/	Select 2 credits	2
MISM		
CPSC/CYBR/	Select 3 credits at the 3000 level or above	3
MISM		
Select three of the following:		9
CYBR 3128	Cybersecurity Management	
CYBR 3106	Cybersecurity Risk Management	
CYBR 3108	Defensive Programming	
CYBR 3119	Fundamentals of Digital Forensics	
CYBR 4160	Applied Cryptography	
CYBR 4166	Intrusion Detection and Prevention	
CYBR 4128	Penetration Testing and Countermeasures	
CPSC 5127U	Computer and Network Security	
Area H total		14
Total Credit Hours		123

## To Include Certificate in Web Development

Code	Title	Credit Hours
<b>Core Requirements</b>		
Complete the core requirements for this program		45
Core total		45
<b>Area F/G/I</b>		
Complete the requirements for Areas F, G and I		64
Area F/G/I total		64
<b>Area H Program Electives</b>		

Minimum grade of C is required in each CPSC and MISM course		
CPSC 2125	Internet Programming	3
CPSC 3105	Digital Multimedia Development	3
CPSC 4125	Server-Side Web Development	3
CPSC 5165U	Web Development Projects	3
CPSC/CYBR/ MISM	Select 2 credits at the 3000 level or above	2
Area H total		14
Total Credit Hours		123