

# CYBERSECURITY (BAAS)

Degree: Bachelor of Applied Arts and Sciences

Major: Cybersecurity

Total Hours: 120

Code	Title	Hours
<b>General Education Core Curriculum</b>		
<i>Communication</i>		
Any 2 Communication Core Courses		6
<i>Mathematics, one of the following required</i>		3
MATH 1314	College Algebra	
MATH 2413	Calculus I	
<i>Life and Physical Science</i>		
Any 2 Life and Physical Science Core Courses		6
<i>Language, Philosophy and Culture</i>		
Any Language, Philosophy, and Culture Core Course		3
<i>Creative Arts</i>		
Any Creative Arts Core Course		3
<i>American History</i>		
Any 2 American History Core Courses		6
<i>Government/Political Science</i>		
POLS 2301	Intro to American Government I	3
POLS 2302	Intro/American Government II	3
<i>Social and Behavioral Science</i>		
Any Social and Behavioral Science Core Course		3
<i>Component Area Options</i>		
Any 2 Component Area Option Core courses		6
<b>Required Courses</b>		
<i>Professional Development Courses</i>		
AASC 4301	Personal Productivity	3
<i>Cybersecurity Courses</i>		
COSC 3306	UNIX/C++	3
COSC 3325	Computer Law and Ethics	3
CPSC 4360	Software Engineering	3
CPSC 4361	Secure Software Engineering	3
CPSC 4370	Artificial Intelligence	3
CPSC 4363	Cybersecurity: Systems	3
COSC 4365	Computer Crime Analysis	3
COSC 4345	Cybersecurity Networks	3
<i>Choose one:</i>		3
COSC 4302	Operating Systems	
CPSC 4326	Android Programming	
<i>Choose one:</i>		3
CPSC 4340	Database Design	
CPSC 4375	Machine Learning	
<i>Choose one:</i>		3
CPSC 4315	Network System Administration	
CPSC 4317	Computer Networks	
CPSC 4364	Internet of Things	
<b>Elective Courses</b>		

42 credits in 1000:4999 42

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**Total Hours 120**

## First Year

Fall	Hours
Technical/Academic Course	3
General Education Core	3
<b>Hours</b>	<b>15</b>

## Spring

Technical/Academic Course	3
General Education Core	3
<b>Hours</b>	<b>15</b>

## Second Year

Fall	Hours
Technical/Academic Course	3
General Education Core	3
<b>Hours</b>	<b>15</b>

## Spring

Technical/Academic Course	3
Technical/Academic Course	3
Technical/Academic Course	N/A
General Education Core	3
General Education Core	3
<b>Hours</b>	<b>12</b>

## Third Year

Fall	Hours
COSC 3306 UNIX/C++	3
General Education Core	3
General Education Core	3
General Education Core	3
COSC 3325 Computer Law and Ethics	3
<b>Hours</b>	<b>15</b>

## Spring

General Education Core	3
General Education Core	3
General Education Core	3
Cybersecurity Choice, choose 1:	3
COSC 4302 Operating Systems	
CPSC 4326 Android Programming	
General Education Core	3
<b>Hours</b>	<b>15</b>

## Summer

General Education Core Course	3
General Education Core Course	3
<b>Hours</b>	<b>6</b>

## Fourth Year

Fall	Hours
AASC 4301 Personal Productivity	3
CPSC 4360 Software Engineering	3
CPSC 4361 Secure Software Engineering	3
CPSC 4370 Artificial Intelligence	3

## 2 Cybersecurity (BAAS)

Cybersecurity Choice, choose 1:		3
CPSC 4340	Database Design	
CPSC 4375	Machine Learning	
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
CPSC 4363	Cybersecurity: Systems	3
COSC 4365	Computer Crime Analysis	3
COSC 4345	Cybersecurity Networks	3
Cybersecurity Choice, choose 1:		3
CPSC 4315	Network System Administration	
CPSC 4317	Computer Networks	
CPSC 4364	Internet of Things	
<b>Hours</b>		<b>12</b>
<b>Total Hours</b>		<b>120</b>