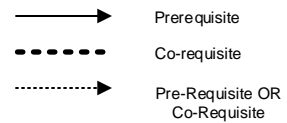
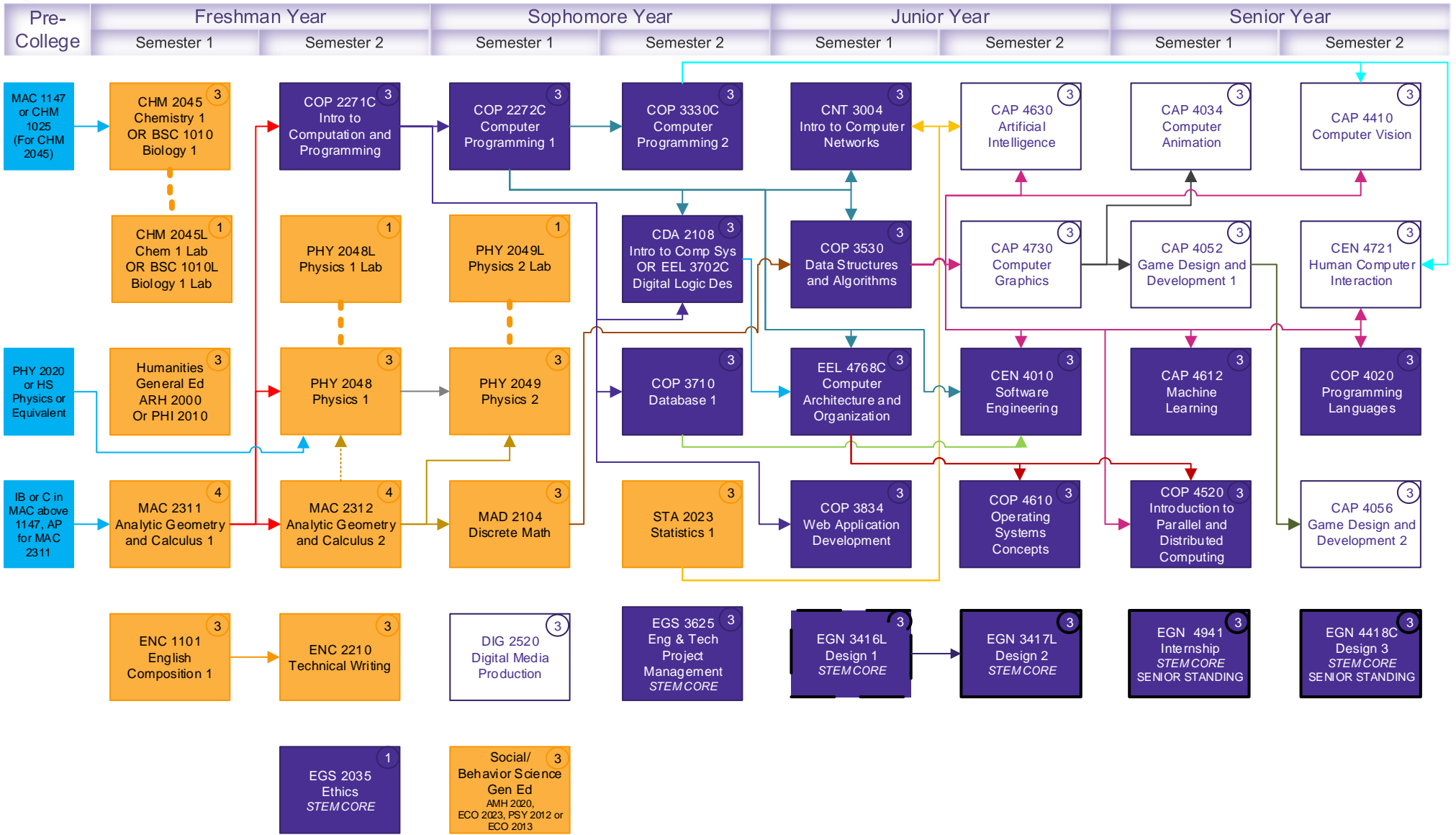


BS in Computer Science & Information Technology Cyber Gaming

2016-2017 Catalog



Cyber Gaming

Total Degree Credits: 120

2016-2017 Catalog

[Click here to view the Computer Science & Information Technology, B.S.](#)

Freshman Year

Semester 1

Course Name	Credits:	Term Taken	Grade	Gen Ed
ENC 1101 - English Composition 1: Expository and Argumentative Writing	Credits: 3			
MAC 2311 - Analytic Geometry and Calculus 1	Credits: 4			

Select 3 credits from the following Humanities General Ed electives:

Course Name	Credits:	Term Taken	Grade	Gen Ed
ARH 2000 - Art Appreciation	Credits: 3			
PHI 2010 - Introduction to Philosophy	Credits: 3			

Select 4 credits from the following Natural Science General Ed electives:

Course Name	Credits:	Term Taken	Grade	Gen Ed
BSC 1010 - Biology 1	Credits: 3			
BSC 1010L - Biology 1 Laboratory	Credits: 1			
CHM 2045 - Chemistry 1	Credits: 3			
CHM 2045L - Chemistry 1 Laboratory	Credits: 1			

Total Semester Credits: 14

Semester 2

Course Name	Credits:	Term Taken	Grade	Gen Ed
COP 2271C - Introduction to Computation and Programming	Credits: 3			
EGS 2035 - Ethics	Credits: 1			
ENC 2210 - Technical Writing	Credits: 3			
MAC 2312 - Analytic Geometry and Calculus 2	Credits: 4			
PHY 2048 - Physics 1	Credits: 3			
PHY 2048L - Physics 1 Laboratory	Credits: 1			

Total Semester Credits: 15

Sophomore Year

Semester 1

Course Name	Credits:	Term Taken	Grade	Gen Ed
COP 2272C - Computer Programming 1	Credits: 3			
DIG 2520 - Digital Media Production	Credits: 3			
MAD 2104 - Discrete Mathematics	Credits: 3			
PHY 2049 - Physics 2	Credits: 3			
PHY 2049L - Physics 2 Laboratory	Credits: 1			

Select 3 credits from the following Social/Behavioral Sciences General Education electives:

Course Name	Credits:	Term Taken	Grade	Gen Ed
AMH 2020 - American History Since 1877	Credits: 3			
ECO 2013 - Principles of Macroeconomics	Credits: 3			
ECO 2023 - Principles of Microeconomics	Credits: 3			
PSY 2012 - General Psychology	Credits: 3			

Total Semester Credits: 16

Semester 2

Course Name	Credits:	Term Taken	Grade	Gen Ed
CDA 2108 - Introduction to Computer Systems	Credits: 3			
OR				
EEL 3702C - Digital Logic Design	Credits: 3			
AND				
COP 3330C - Computer Programming 2	Credits: 3			
COP 3710 - Database 1	Credits: 3			
EGS 3625 - Engineering & Technology Project Management	Credits: 3			
STA 2023 - Statistics 1	Credits: 3			

Total Semester Credits: 15

Junior Year

Semester 1

Course Name	Credits:	Term Taken	Grade	Gen Ed
CNT 3004 - Introduction to Computer Networks	Credits: 3			
COP 3530 - Data Structures & Algorithms	Credits: 3			
COP 3824 - Web Application Development	Credits: 3			
EEL 4768C - Computer Architecture and Organization	Credits: 3			
EGN 3416L - Design 1	Credits: 3			

Total Semester Credits: 15

Semester 2

Course Name	Credits:	Term Taken	Grade	Gen Ed
CAP 4630 - Artificial Intelligence	Credits: 3			
CAP 4730 - Computer Graphics	Credits: 3			
CEN 4010 - Software Engineering	Credits: 3			
COP 4610 - Operating Systems Concepts	Credits: 3			
EGN 3417L - Design 2	Credits: 3			

Total Semester Credits: 15

Senior Year

Semester 1

Course Name	Credits:	Term Taken	Grade	Gen Ed
CAP 4034 - Computer Animation	Credits: 3			
CAP 4052 - Game Design and Development 1	Credits: 3			
CAP 4612 - Machine Learning	Credits: 3			
COP 4520 - Introduction to Parallel and Distributed Computing	Credits: 3			
EGN 4941 - Internship	Credits: 3			

Total Semester Credits: 15

Semester 2

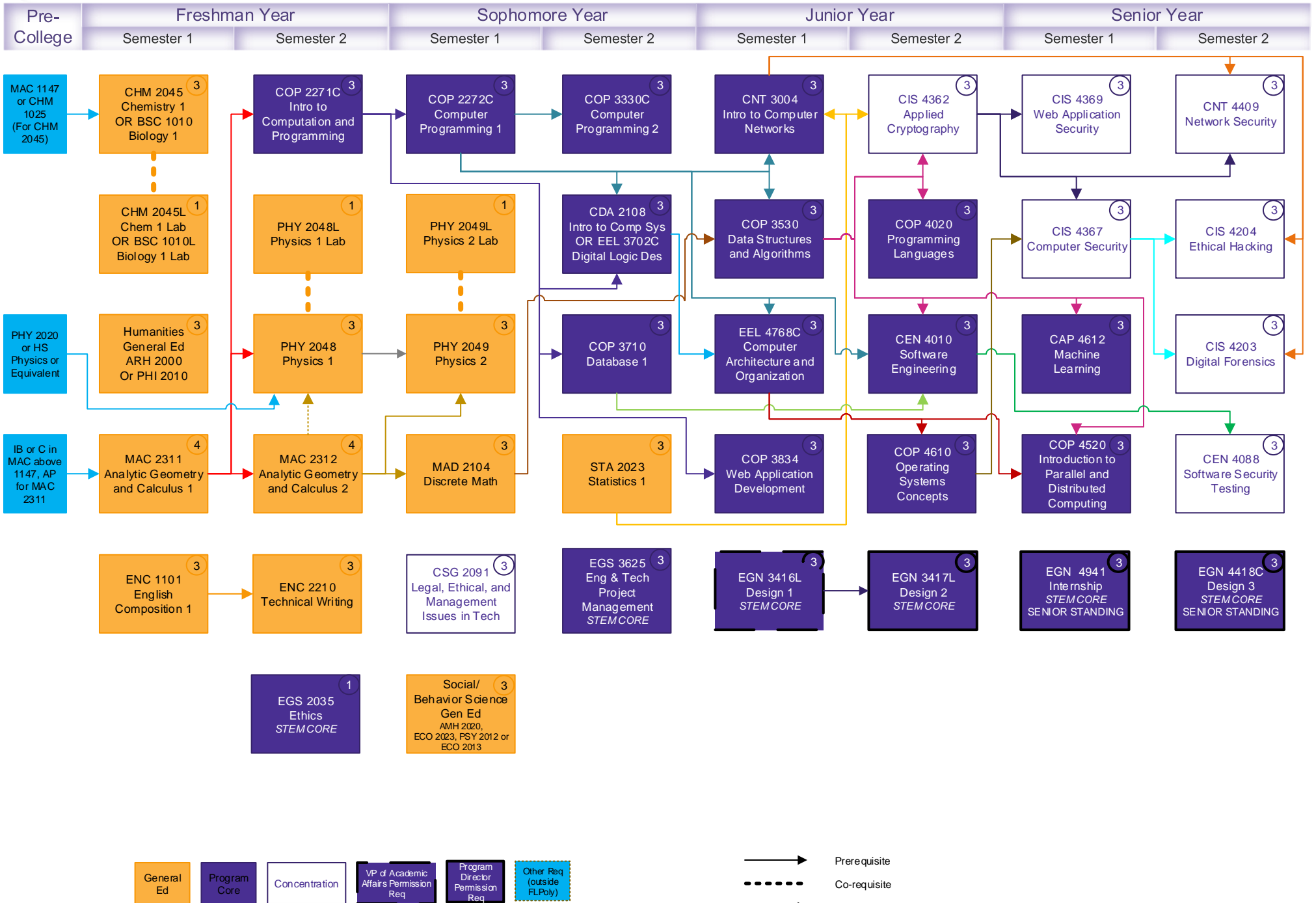
Course Name	Credits:	Term Taken	Grade	Gen Ed
CAP 4056 - Game Design and Development 2	Credits: 3			
CAP 4410 - Computer Vision	Credits: 3			
CEN 4721 - Human Computer Interaction	Credits: 3			
COP 4020 - Programming Languages	Credits: 3			
EGN 4418C - Design 3	Credits: 3			

Total Semester Credits: 15

Total Program Credits: 120

BS in Computer Science & Information Technology Information Assurance & Cyber Security

2016-2017 Catalog



General Ed

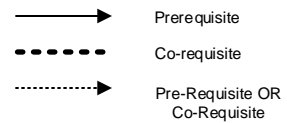
Program Core

Concentration

VP of Academic Affairs Permission Req

Program Director Permission Req

Other Req (outside FLPoly)



Information Assurance & Cyber Security

2016-2017 Catalog

Total Degree Credits: 120[Click here to view the Computer Science & Information Technology, B.S.](#)**Freshman Year****Semester 1**

Course Name	Credits:	Term Taken	Grade	Gen Ed
ENC 1101 - English Composition 1: Expository and Argumentative Writing	Credits: 3			
MAC 2311 - Analytic Geometry and Calculus 1	Credits: 4			

Select 3 credits from the following Humanities General Ed electives:

Course Name	Credits:	Term Taken	Grade	Gen Ed
ARH 2000 - Art Appreciation	Credits: 3			
PHI 2010 - Introduction to Philosophy	Credits: 3			

Select 4 credits from the following Natural Science General Ed electives:

Course Name	Credits:	Term Taken	Grade	Gen Ed
BSC 1010 - Biology 1	Credits: 3			
BSC 1010L - Biology 1 Laboratory	Credits: 1			
CHM 2045 - Chemistry 1	Credits: 3			
CHM 2045L - Chemistry 1 Laboratory	Credits: 1			

Total Semester Credits: 14**Semester 2**

Course Name	Credits:	Term Taken	Grade	Gen Ed
COP 2271C - Introduction to Computation and Programming	Credits: 3			
EGS 2035 - Ethics	Credits: 1			
ENC 2210 - Technical Writing	Credits: 3			
MAC 2312 - Analytic Geometry and Calculus 2	Credits: 4			
PHY 2048 - Physics 1	Credits: 3			
PHY 2048L - Physics 1 Laboratory	Credits: 1			

Total Semester Credits: 15**Sophomore Year****Semester 1**

Course Name	Credits:	Term Taken	Grade	Gen Ed
CGS 2091 - Legal, Ethical, and Management Issues in Technology	Credits: 3			
COP 2272C - Computer Programming 1	Credits: 3			
MAD 2104 - Discrete Mathematics	Credits: 3			
PHY 2049 - Physics 2	Credits: 3			
PHY 2049L - Physics 2 Laboratory	Credits: 1			

Select 3 credits from the following Social/Behavioral Sciences General Education electives:

Course Name	Credits:	Term Taken	Grade	Gen Ed
AMH 2020 - American History Since 1877	Credits: 3			
ECO 2013 - Principles of Macroeconomics	Credits: 3			
ECO 2023 - Principles of Microeconomics	Credits: 3			
PSY 2012 - General Psychology	Credits: 3			

Total Semester Credits: 16**Semester 2**

Course Name	Credits:	Term Taken	Grade	Gen Ed
CDA 2108 - Introduction to Computer Systems	Credits: 3			
OR				
EEL 3702C - Digital Logic Design	Credits: 3			
AND				
COP 3330C - Computer Programming 2	Credits: 3			
COP 3710 - Database 1	Credits: 3			
EGS 3625 - Engineering & Technology Project Management	Credits: 3			
STA 2023 - Statistics 1	Credits: 3			

Total Semester Credits: 15**Junior Year****Semester 1**

Course Name	Credits:	Term Taken	Grade	Gen Ed
CNT 3004 - Introduction to Computer Networks	Credits: 3			
COP 3530 - Data Structures & Algorithms	Credits: 3			
COP 3834 - Web Application Development	Credits: 3			
EEL 4768C - Computer Architecture and Organization	Credits: 3			
EGN 3416L - Design 1	Credits: 3			

Total Semester Credits: 15**Semester 2**

Course Name	Credits:	Term Taken	Grade	Gen Ed
CEN 4010 - Software Engineering	Credits: 3			
CIS 4362 - Applied Cryptography	Credits: 3			
COP 4020 - Programming Languages	Credits: 3			
COP 4610 - Operating Systems Concepts	Credits: 3			
EGN 3417L - Design 2	Credits: 3			

Total Semester Credits: 15**Senior Year****Semester 1**

Course Name	Credits:	Term Taken	Grade	Gen Ed
CAP 4612 - Machine Learning	Credits: 3			
CIS 4367 - Computer Security	Credits: 3			
CIS 4369 - Web Application Security	Credits: 3			
COP 4520 - Introduction to Parallel and Distributed Computing	Credits: 3			
EGN 4941 - Internship	Credits: 3			

Total Semester Credits: 15**Semester 2**

Course Name	Credits:	Term Taken	Grade	Gen Ed
CEN 4088 - Software Security Testing	Credits: 3			
CIS 4203 - Digital Forensics	Credits: 3			
CIS 4204 - Ethical Hacking	Credits: 3			
CNT 4409 - Network Security	Credits: 3			
EGN 4418C - Design 3	Credits: 3			

Total Semester Credits: 15**Total Program Credits: 120**