



**Bachelor of Science in Cyber and Information Security Plan File (PPF)**  
**Category I**

<b>Degree Requirements</b>	<b>Required Semester Credits</b>	<b>CCAF Transfer Credits</b>	<b>Course Credits to take at Institution</b>
<b>Core/Area of Focus</b>	<b>63</b>	<b>30</b>	<b>33</b>
<b>Programming, Computer Science, and Information Assurance</b>			
CS-150 Intro to Programming Using C	3	3	
CS-200 Intro to Object Oriented Programming C++	3	3	
CS-220 Database Management	3		3
CS-230 Data Structures	3		3
CS-250 Intro to Network Programming Using C	3	3	
CS-300 Secure Coding	3		3
CS-418 Operating Systems	3	3	
CT-152 Introduction to Unix	3		3
CT-206 Scripting Languages	3	3	
CT-240 Internetworking w/Routers/Switches	3		3
IAE-201 Introduction to IA Concepts (3)	3	3	
IAE-250 Comprehensive Computer/Network Security <i>(Formerly IAE-301)</i>	3	3	
IAE-260 Secure Sys Admin & Operation <i>(Formerly IAE-315)</i>	3		3
IAE-321 Applied Wireless Network Security	3	3	
IAE-325 Secure Data Communications and Cryptography	3	3	
IAE-390 Penetration Testing <i>(Formerly IAE-410)</i>	3		3
IAE-402 Intro to Incident Handling/Malicious Code	3	3	
IAE-405 Malware Analysis/Reverse Engineering	3		3
IAE-406 Digital Forensics and the Investigative Process	3		3
IAE-457 Senior Project I <i>(Formerly EN-408)</i>	3		3
IAE-458 Senior Project II	3		3



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<b>General Education</b>	<b>42</b>	<b>18</b>	<b>24</b>
<b>English, Humanities, and Social Sciences</b>			
EN-101 English Communications I	3	3	
EN-102 English Communications II	3	3	
HU-331 or HU-332 Arts and Ideas	3		3
SS-351 Ethics	3		3
Humanities Elective	3		3
Humanities Elective	3	3	
Social Science Elective	3	3	
<b>Management</b>			
BUS-101 Intro to Data Science <i>(Replaced BUS-174 as a requirement.)</i>	3		3
BUS-301 Project Management	3		3
<b>Mathematics and Science</b>			
MA-112 Intermediate Algebra	3	3	
MA-124 Discrete Math	3		3
MA-128 Introduction to Statistics	3		3
Math Elective	3	3	
Science Elective	3		3
<b>Electives</b>	<b>15</b>	<b>15</b>	<b>0</b>
General Elective	3	3	
General Elective	3	3	
General Elective	3	3	
General Elective	3	3	
General Elective	3	3	
<b>Total Credits Required Bachelor of Science (B.S.) in Cyber and Information Security Degree</b>	<b>120</b>	<b>63</b>	<b>57</b>