



BS in Computer and Information Science (Cyber Security Specialist)

Student Name _____

General Education Core (64 Credits)

English and Communications (20 Credits)

EN151	Rhetoric and Styles	4	
EN152	Writing from Sources	4	
EN157	Practical Research Writing	4	
EN166	Speech	4	
HM491	Senior Seminar	4	

20

Mathematics and Science (20 Credits)

MT153	General Education Math	4	
MT155	Intermediate Algebra	4	
MT158	College Algebra	4	
*		4	
*		4	

20

*One course from BL, CH, ET, or PH

Behavioral Sciences and Humanities (20 Credits)

HM279	East-West Signature Course	4	
*		4	
*		4	
*		4	
*		4	

20

* one course from EN, HS, HM, IS, PL, PS, SC, or SP

Computer and Information Science (4 Credits)

CI101	Computer Technology and Application	4	
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4

CIS Major Area Courses (96 Credits)

Core Courses (52 credits)

CI215/CI216	JAVA I/ C# I	4	
CI221	PYTHON I	4	
CI245/CI246	JAVA II/ C# II	4	
CI251	PYTHON II	4	
CI256	HTML5	4	
CI270	Introduction to Mobile Development	4	
CI275	Computer Organization and Architecture	4	
CI301	Data Communications	4	
CI310	Principles of Database	4	
CI321	Computer Operating Systems	4	
CI328	Introduction to Data Science and Big Data	4	
CI354	SQL Server Database Programming	4	
CI492	Senior Project	4	

52

Cognate or Supporting Courses (12 Credits)

BS101	Introduction To Business	4	
MT160	Elementary Plane Trigonometry	4	
MT201	Calculus I	4	

12

Specialist Courses (32 Credits)

CI220	Cyber Ethics	4	
CI307	Cyber Security	4	
CI309	Forensics and Incident Response	4	
CI425	Cloud Computing	4	
CI433	Cryptography	4	
CI434	Network Security	4	
*		4	
*		4	

* Select from CI421, CI431, CI432 or specialist sections

32

Elective Courses (20 Credits)

*		4	
*		4	
		4	
		4	
		4	

*8 credit hours should be at the 300 or 400 level

20

Total Credits:

180