



BS in Computer and Information Science (For AAS Degree Holder)

Student Name _____

General Education Core (64 Credits)

English and Communications (20 Credits)

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

20

Mathematics and Science (20 Credits)

MT153-ON	General Education Math	4	
MT155-ON	Intermediate Algebra	4	
MT158-ON	College Algebra	4	
BL103-ON		4	
*		4	

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

20

Behavioral Sciences and Humanities (20 Credits)

HM279-ON	East-West Signature Course	4	
PS101-ON		4	
SC101-ON		4	
*		4	
*		4	

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

20

Computer and Information Science (4 Credits)

CI101-ON	Computer Technology and Application	4	
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4

	Receiving credits considered completed		
	Remaining courses		

CIS Major Area Courses (100 Credits)

Core Courses (60 credits)

CI215-ON/CI216-ON	JAVA I/ C# I	4	
CI221-ON	PYTHON I	4	
CI245-ON/CI246-ON	JAVA II/ C# II	4	
CI251-ON	PYTHON II	4	
CI256-ON	HTML5	4	
CI275-ON	Computer Organization and Architecture	4	
CI301-ON	Data Communications	4	
CI310-ON	Principles of Database	4	
CI320-ON	Data Structures	4	
CI321-ON	Computer Operating Systems	4	
CI328-ON	Introduction to Data Science and Big Data	4	
CI340-ON	Artificial Intelligence	4	
CI354-ON	SQL Server Database Programming	4	
CI492-ON	Senior Project	8	

60

Cognate or Supporting Courses (16 Credits)

BS101-ON	Introduction To Business	4	
MT160-ON	Elementary Plane Trigonometry	4	
MT201-ON	Calculus I	4	
MT215-ON	Introduction to Linear Algebra	4	

16

Specialist Courses (28 Credits)

CI213-ON	Desktop Spreadsheet Application	4	
CI220-ON	Cyber Ethics	4	
CI345-ON	Machine Learning	4	
CI351-ON	Natural Language Processing	4	
DM240-ON	Computer Graphic Design	4	
DM260-ON	Digital Imaging: Photoshop I	4	
DM290-ON	Digital Video Production	4	

28

Elective Courses (12 Credits)

*		4	
		4	
		4	

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

12

Total Credits: 180