EAST/WEST UNIVERSITY™

BS in Computer and Information Science

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	
		4	

CIS Major Area Courses (100 Credits)

Core Courses (56 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	
CI275	Computer Organization and Architecture	4	
CI301	Data Communications	4	
CI310	Principles of Database	4	
CI320	Data Structures	4	
CI321	Computer Operating Systems	4	
CI328	Introduction to Data Science and Big Data	4	
CI340	Artificial Intellegience	4	
CI354	SQL Server Database Programming	4	
CI492	Senior Project	4	
		56	

Cognate or Supporting Courses (16 Credits)

BS101	Introduction To Business	4	
MT160	Elementary Plane Trigonometry	4	
MT201	Calculus I	4	
MT215	Introduction to Linear Algebra	4	
		16	

Specialist Courses (28 Credits)

		4	
		4	
		4	
		4	
		4	
		4	
		4	
		28	

Elective Courses (16 Credits)

*		4	
		4	
		4	
		4	

*4 credit hours should be at the 300 or 400 level   16

Total Credits: **180**