

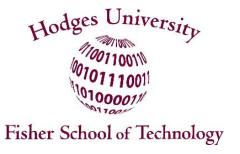
Bachelor of Science in Software Development (120 Credit Hours) 2018 – 2019 Program Curriculum Guide

This is an UNOFFICIAL document which can be used as a guide for students pursuing this academic degree program. The official program of study, minimum grade and/or prerequisite requirements are published in the current university catalog. Students should contact their student success advisor with any questions.

Area I: Software Development Component Credit Hour										
A. Computer Information Technology Core										
CTS1131	A+ Hardware I	3								
CTS1132	A+ Hardware II	3								
COP2250	Java Programming I	3								
CTS2318	Principles of Information Security	3								
CGS2515	Advanced Computer Applications	3								
GRA2520	Web Design I	3								
COP2700	Introduction to Database Management Systems	3								
ISM4314	Project Management	3								
CIS4595	Systems Analysis & Solutions Architectures (Capstone)	3								
COP4751	Advanced Database Management	3								
	Total Computer Information Technology Core	36								
B. Softwa	re Development Core									
CAP2023	Introduction to Game Programming	3								
COP2048	Programming Concepts II	3								
COP2251	Java Programming II	3								
ISM3007	Organizational Applications of Social Media and Collaborative Technologies	3								
COP3337	Advanced C++ w/OOP (Object Oriented Programming)	3								
COP3655	Mobile Application Development	3								
CEN4050	Software Engineering	3								
ISM4052	Internet Application Programming and Databases	3								
CAP4062	Web Applications	3								
CIS4305	Enterprise Applications	3								
CGS4845	E-Commerce	3								
Elective	CTS/CAP/CGS/COP/GRA Elective	3								
	Total Software Development Core	36								

C. Busines	ss Core	Credit Hours	Met
GEB1011	Introduction to Business	3	
FIN2100	Personal Finance	3	
	Total Business Core	6	
Are	a II: General Education Component		
MAT1033	Intermediate Algebra	3	
CGS1100	Computer Applications	3	
ENC1101	English Composition I	3	
SLS1103	College Developmental Skills OR	3	
SLS3506	College Study Skills	3	
MAC1105	College Algebra I		
STA2023	Basic Statistics	3	
PHI2103	Critical Thinking	3	
PHI2600	Ethics	3	
ENC3213	Professional Writing	3	
COM4014	Gender Communication	3	
Elective	Social or Behavioral Science	3	
Elective	Open Upper Level (3000/4000) General Education Elective	3	
	Total General Education Component	36	
Δre	a III: Approved Elective Component		
	urses taken under the Elective Component may b	e granted through eith	ner
	nding credit (transfer credits) or classes taken at 1		
	on with the student success advisor.	riouges emiversity as	аррготси
consultati	Total Elective Component	12	
Tot	al Semester Hours Required for Graduation	120	

Once enrolled, please log into the MyHUgo portal and check "My Progress" in the student planning module of HU Self-Service. Please contact the Office of Student Success if you have any questions and refer to the University Catalog for degree requirements.



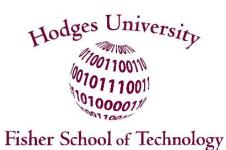
Bachelor of Science in Software Development (120 Credit Hours) 2018 – 2019 Optimum Sequence of Course Work

The following course sequences are formatted to help ensure the most direct path to program completion. Deviation may add to the overall time to complete the degree, as many courses require prerequisites and/or are not offered every session. It is important for students to follow the optimum sequence of coursework as suggested by their student success advisor.

1st Year – Session One		Credits	Met	1st Year - S	Session Two		Credits	Met	1st Year - S	Session Three		Credits	Met
SLS1103	College Developmental Skills	3		CTS1132	A+ Hardware II		3		COP2700	Introduction to Database Management Systems		3	
CGS1100	Computer Applications	3		CGS2515	Advanced Computer Applications		3		COP2250	Java Programming I		3	
ENC1101	English Composition I	3		GRA2520	Web Design I		3		GEB1011	Introduction to Business		3	
CTS1131	A+ Hardware I	3	·	MAT1033	Intermediate Algebra		3		COP2251	Java Programming II	·	3	
	Total	12				Total	12				Total	12	

2 nd Year – Session Four		Credits	Met	2 nd Year - S	Session Five	Credits	Met	2 nd Year -	Session Six	Credits	Met
CTS2318	Principles of Information Security	3		COP4751	Advanced Database Management	3		Elective	Elective	3	
CAP2023	Introduction to Game Programming	3		MAC1105	College Algebra I	3		ISM3007	Organizational Applications of Social Media and Collaborative Technologies	3	
FIN2100	Personal Finance	3		COP3655	Mobile Application Development	3		COP3337	Advanced C++ w/OOP (Object Oriented Programming)	3	
PHI2600	Ethics	3		COP2048	Programming Concepts II	3		PHI2103	Critical Thinking	3	
	Total	12			Total	12	1		Total	12	

3 rd Year – Session Seven		Credits	Met	3rd Year -	Session Eight	Credits	Met	3 rd Year – Session Nine	Credits	Met
ISM4314	Project Management	3		CAP4062	Web Applications	3		Elective	3	
	Elective	3		STA2023	Basic Statistics	3		CEN4050 Software Engineering	3	
ISM4052	Internet Application Programming and Databases	3		CGS4845	E-Commerce	3		COM4014 Gender Communication	3	
	Social or Behavioral Science	3			Elective	3		Elective	3	
Total 12			Total	12	2	Total	12			



Bachelor of Science in Software Development (120 Credit Hours) 2018 – 2019 Optimum Sequence of Course Work

The following course sequences are formatted to help ensure the most direct path to program completion. Deviation may add to the overall time to complete the degree, as many courses require prerequisites and/or are not offered every session. It is important for students to follow the optimum sequence of coursework as suggested by their student success advisor.

4th Year - S	Session Ten	Credits	Met
ENC3213	Professional Writing	3	
CIS4305	Enterprise Applications	3	
	General Education Upper Level Elective	3	
CIS4595	Systems Analysis & Solutions Architectures (Capstone)	3	
	Total	12	