



## BSCS SUGGESTED COURSE SEQUENCING\*

Codes	Courses	Credits	Pre-Req
<b>YEAR 1</b>			
<b>1<sup>st</sup> semester</b>			
ENC101	English Composition 1	3	
MAT100	College Mathematics	3	
ECO100	Microeconomics	3	
COM101	Communication 1	3	
CSA 100	Computer architecture	3	
ISD 100	Information systems and databases	3	
<b>2<sup>nd</sup> semester</b>			
ALG 100	Algorithms and programming	3	
COM102	Communication 2	3	COM101
ENC102	English Composition 2	3	ENC101
WED 100	Web development	3	
OSP 100	Operating systems and systems programming	3	
<b>YEAR 2</b>			
<b>1<sup>st</sup> semester</b>			
PSY 100	Psychology 1	3	
PSP 100	Python Programming (supervised project)	3	
ALG 200	Advanced algorithms and data structures	3	
ENC201	Research and Writing 1	3	ENC102
STA102	Statistics 1	3	MAT100
CSN 100	Computer networks	3	
<b>2<sup>nd</sup> semester</b>			
ADM 200	Advanced databases management	3	
LDR 200	Leadership and Innovation	3	
CPC 200	Compiler and Complexity	3	
CSI 200	Cryptography and IS Security	3	
SEN 200	Software engineering	3	
<b>YEAR 3</b>			
<b>1<sup>st</sup> semester</b>			
ENC202	Research and Writing 2	3	ENC201
COM200	Communication 3	3	COM200
FPJ 200	Frameworks programming: Java & Java JEE	3	
SDM 200	Software Development methodologies	3	
OOP 200	Object Oriented Programming (C#)	3	



<b>2<sup>nd</sup> semester</b>			
CC 300	Cloud Computing	3	
IOT 300	Internet of Things	3	
BDA 300	Big data analytics	3	
AI 300	Artificial Intelligence	3	
OOP 300	Object Oriented Programming (UML)	3	
<b>YEAR 4</b>			
<b>1<sup>st</sup> semester</b>			
COM 300	Communication 4	3	COM200
MAD 400	Mobile application development	3	
Concentration course 1		3	
Concentration course 2		3	
		3	
<b>2<sup>nd</sup> semester</b>			
Concentration course 3		3	
Concentration course 4		3	
ENC 350	Writing Internship Reports	3	ENC202
MAN 410	Organizational Behavior	3	
<b>TOTAL</b>		120 Cr	

\*This Course sequencing is a suggestion only, student will finalize their learning path on a case by case review with their program advisor.