

Course Code	Course Name	Credit Hours
CS 151	Object-Oriented Programming	4
CS 125	Digital Design	4
CS 1180	Computer Science Ethics	2
STA 111	Introduction to Probability & Statistics	3
Total		13

Group One			

Course Code	Course Name	Credit Hours
CS 252	Data Structures	4
CS 205	Discrete Structures 2	3
PHY 1103	General Physics	3
ENG 141	English 2	3
Total		13

Group Two			

Course Code	Course Name	Credit Hours
CS 216	Design and Analysis of Algorithms	3
CS 290	Software Engineering 1	3
MATH 114	Applied Calculus 2	4
TBA		2
Total		12

Group Three			

Course Code	Course Name	Credit Hours
CS 222	Operating Systems	4
CS 392	Software Engineering 2	3
MATH 227	Linear Algebra and Differential Equations	4
TBA		2
TBA		2
Total		15

Group Four			
16			

[illegible]

Course Code	Course Name	Credit Hours
CS 330	Computer Networks	4
CS 361	Artificial Intelligence	4
CS 370	Introduction to Databases	3
TBA		2
Total		13

Group Five			

[illegible]

Course Code	Course Name	Credit Hours
CS 334	Information Security	4
CS 427	Distributed Systems	3
CS 383	Professional Development Seminar	2
TBA		2
TBA		2
Total		13

Group Six			
13			

[illegible]

Course Code	Course Name	Credit Hours
CS 495	Graduation Project 1	2
CS 351	Human Computer Interaction	3
CS xxx	CS Elective Course	3
CS xxx	CS Elective Course	3
Total		11

Group Seve			

Course Code	Course Name	Credit Hours
CS xxx	CS Elective Course	3
CS xxx	CS Elective Course	3
CS 497	Graduation Project 2	3
Total		9

Group Eight			

CS xxx:

Course Code	Course Name	Credit Hours
CS 364	Machine Learning	3
CS 365	Natural Language Processing	3
CS 467	Optimization and Metaheuristics	3
CS 464	Neural Networks and Deep Learning	3
CS 346	Web Application Development	3
CS 447	Mobile Application Development	3
CS 458	Game Application Development	3
CS 443	Selected Topics in Cyber Security and Networks	3
CS 337	Network Security	3
CS 442	Software Security	3

[illegible]

[illegible]

Available:

Course Code	Course Name	Credit Hours
CS 114	Discrete Structures 1	3
CS 150	Introduction to Computer Programming	4
MAT 1112	Applied Calculus 1	4
ENG 1040	English 1	3
PHY 104	Applied Physics	3

