Recommended Courses Sequence/ Cyber Security

First Year

Course Number	Course Name	Credit Hours	Course Number	Course Name	Credit Hours
First Semester			**Second Semester**		
-	University Requirement	3	-	University Requirement	3
-	University Requirement	3	901200	Discrete Mathematics	3
-	University Requirement	3	401233	Statistics Methods	3
401101	Calculus (1)	3	904233	Fundamentals of Information Systems	3
901110	Computer (2) for IT Students	3	901210	Object-Oriented Programming	3
901111	Computer (2) for IT Students Lab	1	901214	Object-Oriented Programming Lab	1
Total		16	**Total**		16

Second Year

Course Number	Course Name	Credit Hours	Course Number	Course Name	Credit Hours
First Semester			**Second Semester**		
-	University Requirement	3	-	University Requirement	3
906201	Fundamentals of Systems and Information Security	3	-	University Requirement	3
901212	Python Programming	3	902350	Webpage Design	3
901220	Digital Logic Design	3	902354	Webpage Design Lab	1
906202	Cryptography	3	901320	Computer Architecture	3
901240	Data Structures	3	901325	Computer Networks	3
Total		18	**Total**		16

Third Year

First Semester			Second Semester		
Course Number	**Course Name**	**Credit Hours**	**Course Number**	**Course Name**	**Credit Hours**
-	University Requirement	3	-	Elective Departmental Requirements	3
-	Elective Departmental Requirements	3	906311	Operating Systems Security	3
901332	Operating Systems	3	906312	Operating Systems Security Lab	1
901340	Analysis & Design of Algorithms	3	906313	Database and Information Security	3
901330	Databases	3	906314	Database and Information Security Lab	1
904341	System Analysis and Design	3	902450	Electronic Commerce and Electronic Government	3
			-	University Requirement	3
Total		18	**Total**		17
Summer Semester					
906490	Field Training	3			

Fourth Year

First Semester			Second Semester		
Course Number	**Course Name**	**Credit Hours**	**Course Number**	**Course Name**	**Credit Hours**
901411	Advanced Programming Tools	3	-	Elective Departmental Requirements	3
906425	Secure Electronic Commerce	3	-	Elective Departmental Requirements	3
906401	Secure Software Design and Engineering	3	-	Elective Course	3
906411	Networks Security and Authentication	3	906421	Computer Forensics	3
906412	Networks Security and Authentication Lab	1	906499	Graduation Project	3
Total		13	**Total**		15