

**Course Transfer Matrix for the
Bachelor of Science in Information Systems Security
at Grantham University**

Associate of Applied Science Computer Programming State Technical College of Missouri			Bachelor of Science Information Systems Security Grantham University		
General Education Courses					
COM101	English Composition*	3.00	EN101	English Composition I	3.00
COM121	Public Speaking*	3.00	CO101	Introduction to Public Speaking	3.00
MAT115	College Algebra*	3.00	MA105	College Algebra	3.00
PHY101/102	College Physics with a laboratory	4.00	PH220	Physics I	4.00
	Social Science Elective	3.00		Behavioral & Social Science Electives	3.00
	Technical Literacy Elective	3.00		General Education Elective	3.00
General Education Hours		19.00			
Program Core					
CPP122	Visual Basic Programming	3.00	CS192	Programming Essentials	3.00
CPP140	Internship I (Required)	4.00		General Elective	4.00
CPP215	Java Programming	3.00	CS200	Programming in Java	3.00
CPP222	Database Systems Management and Design	3.00	CS270	Data Structures	3.00
CPP223	Advanced Database Systems Management and Design	3.00	CS371	Database Design	3.00
CPP245	C# Programming	3.00	CS263	Programming in C	3.00
CPP237	Internet Programming	3.00		General Elective	3.00
NST101	Network Fundamentals	3.00	CS216	Computer Networks	3.00
BUS150	Business Principles	3.00		General Elective	3.00
BUS260	Project Management	3.00		General Elective	3.00
COM211	Technical Writing	3.00		General Education Elective	3.00
COM125	Job Search Strategies	1.00		General Elective	1.00
Program Core Hours		35.00			
Program Electives (General Option)					
CPP125	COBOL Programming Language	3.00		General Elective	
CPP133	Operating Platforms	3.00		General Elective	
CPP230	C++ Programming Language I*	3.00	CS265	Programming in C++	
	CPP/NST Electives	6.00		General Elective	
Program Elective Hours		15.00			
General Education Hours		19.00			
Program Core Hours		35.00			
Program Elective Hours		15.00			
Total Credit Hours		69.00			
* Denotes course student must complete at State Technical College of Missouri					
The following table outlines the requirements needed to receive a Bachelor of Science Information Systems Security from Grantham University					
Course #	Bachelor of Science Information Systems Security				Credits
	Program Core				
GU100	Student Success				1.00
CS316	TCP/IP Networks				3.00
CS336	Systems Analysis & Design				4.00
CS386	System Architecture (CS336)				4.00
IS211	Intro to Information Systems Security				3.00
IS242	Management Information Systems				3.00
IS311	Security Operations				3.00
IS351	Information Systems Project Management				3.00
IS355	Risk Management				3.00
IS391	Special Topics in Information Systems				3.00
IS411	Network Security				3.00
IS431	Access Control Systems				3.00
IS461	Cryptography (IS211)				3.00
IS471	Computer Forensics				3.00
IS481	Database Security				3.00
IS498	Senior Research Project (all degree req.)				3.00
	Program Electives				
	300+ level BA, CS, or IS electives				6.00
	Electives				4.00
Transfer Credits Applied From State Technical College of Missouri					69.00
Semester Credit Hours To Be Completed with Grantham University					58.00
Total Credit Hours Needed To Complete Degree Program					127.00