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

Associate of Applied Science Copmuter Programming State Technical College of Missouri			Bachelor of Science Information Systems 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 from Grantham University

Course #	Bachelor of Science Information Systems	Credits
Program Core		
GU100	Student Success	1.00
BA215	Business Statistics	3.00
CS263	Programming in C	4.00
CS405	Software Engineering (CS336 & IS337)	4.00
IS212	.NET Concepts & Principles	4.00
IS231	E-Commerce	3.00
IS242	Management Information Systems	3.00
IS306	Web Design II	4.00
IS311	Security Operations	3.00
IS336	Information Systems Analysis	3.00
IS337	Information Systems Design & Imp (IS336)	3.00
IS351	Information Systems Project Management	3.00
IS376	Advanced Database Systems	3.00
IS498	Senior Research Project (all degree req.)	3.00
Program Electives		
	300+ level BA, CS, or IS electives	9.00
	Electives	3.00
Transfer Credits Applied From State Technical College of Missouri		69.00
Semester Credit Hours To Be Completed with Grantham University		56.00
Total Credit Hours Needed To Complete Degree Program		125.00