

**Course Transfer Matrix for the
Bachelor of Science in Computer Engineering Technology
at Grantham University**

Associate of Applied Science Electronics Engineering Technology State Technical College of Missouri			Bachelor of Science Computer Engineering Technology 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
MAT122	Elements of Calculus*	3.00	MA302	Calculus I	4.00
PHY201	General Physics with a laboratory	5.00	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		20.00			
Program Core					
EET125	Digital Electronics w/Lab	4.00	CE212	Digital Electronics/lab	4.00
EET126	DC/AC Circuit Analysis	6.00	EE105	Fundamental Properties of DC Circuits/lab	6.00
EET127	DC/AC Circuit Analysis Lab	2.00	EE115	Fundamental Properties of AC Circuits/lab	2.00
EET130	Semiconductor Devices and Analog Circuits	6.00		General Elective	6.00
EET131	Semiconductor Devices and Analog Circuits Lab	2.00		General Elective	2.00
EET140	Microcomputer Hardware, Operation and Repair	4.00		General Elective	4.00
EET210	Industrial Electronics w/Lab	5.00		General Elective	5.00
EET237	Electronic Telecommunications w/Lab	5.00		General Elective	5.00
COM211	Technical Writing	3.00		General Education Elective	3.00
COM125	Job Search Strategies	1.00		General Elective	1.00
Program Core Hours		38.00			
Program Electives					
EET214	Programmable Controllers	4.00		General Elective	
EET230	Microcontrollers and Embedded Systems	4.00		General Elective	
EET240	Computer Integrated Manufacturing w/Lab	4.00		General Elective	
Program Elective Hours		12.00			
General Education Hours		20.00			
Program Core Hours		38.00			
Program Elective Hours		12.00			
Total Credit Hours		70.00			
* Denotes course student must complete at State Technical College of Missouri					
The following table outlines the requirements needed to receive a Bachelor of Science Computer Engineering Technology from Grantham University					
Course #	Bachelor of Science Computer Engineering Technology				Credits
Program Core					
GU100	Student Success				1.00
CE262	Microprocessor Systems Engineering/lab				4.00
CE312	Advanced Microprocessors/lab (CE262)				4.00
CE362	Modern Digital Design/lab				4.00
CS192	Programming Essentials				3.00
CS216	Computer Networks				3.00
CS263	Programming in C (CS192)				4.00
CS265	Programming in C++ (CS192)				4.00
EE100	Engineering Ethics				3.00
EE332	Analog Integrated Circuits and lab				4.00
EE382	Signals & Systems Theory/lab (MA312)				4.00
EE410	Technical Project Management (Class before EE450)				3.00
EE450	Capstone Project (EE410)				3.00
MA312	Calculus II				4.00
PH221	Physics II				4.00
Program Electives					
	Elective				2.00
Transfer Credits Applied From State Technical College of Missouri					70.00
Semester Credit Hours To Be Completed with Grantham University					54.00
Total Credit Hours Needed To Complete Degree Program					124.00