

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

Associate of Applied Science Electronics Engineering Technology State Technical College of Missouri			Bachelor of Science Engineering Management 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
<b>General Education Hours</b>		<b>20.00</b>			
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
<b>Program Core Hours</b>		<b>38.00</b>			
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	
<b>Program Elective Hours</b>		<b>12.00</b>			
<b>General Education Hours</b>		<b>20.00</b>			
<b>Program Core Hours</b>		<b>38.00</b>			
<b>Program Elective Hours</b>		<b>12.00</b>			
<b>Total Credit Hours</b>		<b>70.00</b>			

\* Denotes course student must complete at State Technical College of Missouri

The following table outlines the requirements needed to receive a Bachelor of Science Engineering Management Technology from Grantham University

Course #	Bachelor of Science Engineering Management Technology	Credits
Program Core		
GU100	Student Success	1.00
BA150	Principles of Business Management	3.00
BA220	Financial Accounting	3.00
BA225	Managerial Accounting (BA220)	3.00
BA250	Personal Finance	3.00
BA350	Principles of Finance I (BA225)	3.00
BA450	Project Management	3.00
BA470	Entrepreneurship (BA150)	3.00
CE262	Microprocessor Systems Engineering	4.00
CS192	Programming Essentials	3.00
CS263	Programming in C (CS192)	4.00
EE100	Engineering Ethics	3.00
EE372	Instrumentation & Measurement/lab	4.00
PH221	Physics II	4.00
Program Electives		
	200+ level CS or BA300 elective	3.00
	300+ level CE or EE elective w/lab	8.00
<b>Transfer Credits Applied From State Technical College of Missouri</b>		<b>70.00</b>
<b>Semester Credit Hours To Be Completed with Grantham University</b>		<b>55.00</b>
<b>Total Credit Hours Needed To Complete Degree Program</b>		<b>125.00</b>