Community College - MATHEMATICS (AS)			Maryville College - MATHEMATICS (BA)	
General Education Requirments:			**Course Equivalencies:**	
Communication	9 hours			
ENGL 1010 & 1020		6 hours	ENG 110 & 120	6 hours
SPCH 1010 or 2100		3 hours	ENG 150	3 hours
Humanities and/or Fine Arts	9 hours			
One course in Literature		3 hours	ENG 160/170/180	3 hours
One course in Philosophy		3 hours	PHL/REL 149	3 hours
One course in Fine Arts		3 hours	ART/MUS/THT 140	3 hours
History	6 hours		HIS 149	6 hours
Social/Behavioral Sciences	6 hours		PSY/SOC 149	6 hours
Natural Sciences (one 8-hour sequence)	8 hours			
BIO 1110 - General Biology I		4 hours	BIO 111 - (Life Science)	4 hours
PHYS 2110 - Calculus Based Physics I		4 hours	PHY 201 - General Physics I	4 hours
Mathematics	4 hours			
MATH 1910 - Calculus I		4 hours	MTH 125 - Calculus I	4 hours
Gen Ed Requirement Total:	**42 hours**			
Area of Emphasis Requirements:				
MATH 1920 - Calculus II		4 hours	MTH 225 - Calculus II	4 hours
MATH 2110 - Calculus III		4 hours	MTH 235 - Calculus III	4 hours
MATH 2010 - Linear Algebra		3 hours	MTH 232 - Linear Algebra	3 hours
MATH 2120 - Differential Equations		3 hours	MTH 236 - Ordinary Differential Equations	3 hours
Programming Language		3 hours	CSC 111 - Introduction to Computer Science	3 hours
General Electives		1 hour	General Electives	1 hour
Area of Emphasis Total:	**18 hours**			
Total AS Degree:	**60 hours**			
Additional MC Core Requirements:	**20 hours**		ETH 490 - Ethical Citizenship	3 hours
			Foreign Language	8 hours
			MTH 110 - Quantitative Analysis	3 hours
			WRC 370 - Cultural/Intercultural Dynamics	3 hours
			US Pluralism	3 hours
Additional BA Major Requirements:	**34-35 hours**		CSC 231 - Discrete Structures	3 hours
			CSC 112 or PHY 202	3 or 4 hours
			STA 120 - Introductory Statistics	4 hours
			MTH 302 - Modern Algebra	3 hours
			MTH 315 - Advanced Calculus	3 hours
			MTH 321 - Probability and Statistics	3 hours
			MTH 326 - Numerical Analysis	3 hours
			MTH 351 - Senior Study I	3 hours
			MTH 352 - Senior Study II	3 hours
			MTH 303/MTH 305/MTH 316/MTH 322/MTH 349	6 hours
Additional Elective Requirements:	**13-14 hours**			
Total BA Degree:	**128 hours**			