Blue Ridge CTC Mathematics Specialization (5-Adult for transfer to Shepherd University				
BRCTC Course			Equivalent SU Course	
Year 1 - Semester 1				
ENGL 101	Written English I	3	ENGL 101	Writing and Rhetoric I
HIST 101 _or_ HIST 102	Early Man to 1500 _or_ Renaissance to Modem	3	HIST 101 _or_ HIST 102	History Civ: Ancient Worlds _or_ History Civ: Change and Global Connections
ART 103 _or_ MUSC 111	Introduction to Visual Arts _or_ Introduction to Music	3	ART 103 _or_ MUSC 111	Introduction to Visual Arts _or_ Introduction to Music
COMM202	Fundamentals of Speech	3	COMM202	Fundamentals of Speech
MATH 108	Pre-Calculus	4	MATH 108	Pre-Calculus (YR 3 FALL Elective)
EDUC 150	Seminar in Education	1	EDUC 150	Seminar in Education
		17		
Year 1 - Semester 2				
MATH207	Calculus I	4	MATH207	Calculus I
ENGL 102	Writing for Arts & Humanities	3	ENGL 102	Writing and Rhetoric II
IT 188	Intro to Programming Logic	3	ENGR 102	Engineering II
EDUC200	Foundations of Education	3	EDUC200	Foundations of American Education
ECON205	Principles of Macroeconomics	3	ECON205	Principles of Macroeconomics
		16		
Year 2 - Semester 1				
PHYS 221/221L	General Physics I	4	PHYS 221/221L	General Physics I
EDUC260	Survey of Exceptional Child	3	EDUC360	Survey of Exceptional Child
ENGL208 _or_ ENGL204 _or_ HIST 201 _or_ HIST 202	Survey of World Literature _or_ Survey of American Literature _or_ US History to 1877 _or_ US History from 1877	3	ENGL208 _or_ ENGL204 _or_ HIST 201 _or_ HIST 202	Survey of World Literature _or_ Survey of American Literature _or_ History of the US to 1865 _or_ History of the US 1865 to Present
GSPE210	Fitness for Life	3	GSPE 210	Fitness for Life
EDUC292	Praxis Prep	1		
		14		
Year 2 - Semester 2				
PHYS 222/222L	General Physics II	4	**PHYS** 222/222L	General Physics II
EDUC220	Social/Psych Cond Learn	4	EDUC320	Social/Psych Cond Learn
MATH 114	_Elementary Probability and Statistics_	6	**MATH** 109	Statistical Reasoning
		14		

Note: Due to course sequences, students will need to work closely with a math education advisor and will need to concurrently enroll in Shepherd Math classes to complete in 4 years.

Upper-Level Course Rotation at Shepherd University					
Year 3 - Semester 1			Year 3 - Semester 2		
MATH 307	Linear Algebra	3	EDUC 370	Reading in the Content Area	3
MATH 310	Differential Equations	4	MATH 329	Mathematical Modeling	3
MATH312	Introduction to Abstract Algebra	3	MATH 309	Calculus Ill	4
MATH 208	Calculus II	4	MATH 321	Probability and Statistics	3
MATH 155	Discrete Structures	3	MATH254	Discrete Mathematics	3
		17			**16**
Year 4 - Semester 1			Year 4 - Semester 2		
EDUC443	Reading in the Content Area	3	EDUC400	Inclusion in the Regular Classroom	3
EDUC 380	Technology in 21st-Century Teaching and Learning	3	EDUC 456	Student Teaching 5-12	9
EDUC420	Special Methods of Teaching Mathematics	3	MATH489	Mathematics Capstone	1
MATH 414	History of Mathematics	3			13
MATH424	Foundations of Geometry	3			
		15			

Note: Due to course sequences, BR students will need to work closely with a SU math education advisor and will need to concurrently enroll in Shepherd Math classes to