CCC Program Outcomes

Math/Science Division—Math Program—Updated 1/26/15

Upon successful completion of the general education requirements and the suggested program requirements for an Associate Degree the student shall:

1. Use algebraic techniques to manipulate & solve equations and inequalities.
2. Understand and use functional notation.
3. Graph functions in both Cartesian and polar coordinate systems.
4. Apply mathematical techniques to problems involving other disciplines and the real world.
5. Apply differential techniques to solving problems
6. Apply Integration techniques to solving problems
7. Solve different trigonometry identities.
8. Determine convergence or divergence of a series by using different tests for series.
9. Apply the technique of LaPlace transforms to solving differential equations.

Course #	Course Title	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
MATH 105	College Algebra	Co 1, 2, 3, 5	Co 3, 4	Co 3, 4, 5	Co 2, 3, 4, 5, 6					
MATH 102	Intermediate Algebra	Co 1, 2, 3, 4, 5, 6, 7	Co 7, 8	Co 7, 8	Co 7, 8					
MATH 115	Calculus I		Co 3	Co 1		Co 4, 5, 6, 7, 8	Co 10, 11, 12	Co 14, 15		
MATH 120	Calculus II		Co 13	Co 9, 10, 11, 12			Co 4, 5, 6	Co 1, 2	Co 7, 8	
MATH 201	Calculus III	Co 1, 2	Co 1, 2	Co 1, 2, 3, 4	Co 3, 4	Co 6	Co 1, 2, 3, 5		Co 1, 2, 3	
MATH 106	Trigonometry	Co 1, 7	Co 3	Co 8	Co 8			Co 4, 5		
MATH 250	Elementary Statistics									
MATH 117	Intro to Analytic Processes	Co 1, 2	Co 1, 2	Co 3		Co 4	Co 5			
MATH 202	Differential Equations				Co 7	Co 1, 2	Co 1, 2		Co 5	Co 3