

Program		Mathematics and Engineering					
Degree/Certificate:		Associate of Science					
Course	Course Title	Credits	MA_PLO 1/GEM1: Recognize the mathematical concepts that are applicable to a scenario.	MA_PLO 2/GEM2: Apply technology in analysis.	MA_PLO 3/GEM3: Accurately interpret, validate, and communicate the result.	ILO_Em1: Demonstrate knowledge of norms and expectations of professional environments.	ILO_Em2: Demonstrate skills in working with others in a professional and constructive manner.
Required Courses							
MA 112	Trigonometry (KCOG)	3	•	•	•		
MA 120	Analytical Geometry and Calculus I (KCOG)	5	•	•	•		
MA 121	Analytical Geometry and Calculus II	5	•	•	•		
Elective Courses (choose 10 credits)							
MA 114	<i>Elementary Statistics (KCOG)</i>	3	•	•	•		
MA 122	Analytical Geometry and Calculus III	5	•	•	•		
MA 123	Differential Equations	4	•	•	•		
MA 220	Cooperative Education Internship	1-2	•	•	•		
MA 110	<i>Intermediate Algebra (KCOG)</i>	3	•	•	•		
MA 111	<i>College Algebra (KCOG)</i>	3	•	•	•		
MA 115	<i>General Calculus (KCOG)</i>	3	•	•	•		
MA 130	<i>Contemporary Math (KCOG)</i>	3					