

# Leeward Community College Mathematics Pipeline Improvements

The legacy sequence from Basic Mathematics to qualifying for Calculus I was 7 courses/semesters long.							MATH 205 Calculus I
1	2	3	4	5	6	7	
MATH 1B Basic Math 3 credits	MATH 22 Pre-Algebra Mathematics 3 credits	MATH 73 Algebraic Foundations I 3 credits	MATH 83 Algebraic Foundations II 3 credits	MATH 103 College Algebra 3 credits	MATH 135 Elementary Functions 3 credits	MATH 140 Trigonometry and Analytic Geometry 3 credits	
Due to course redesign and curricular changes, all students could meet the Calculus I prerequisite in at most 4 semesters.							
1		2		3	4		
MATH 9 Whole Number Skills 1 credit	MATH 18 Essential Mathematics for Algebra 3 credits	MATH 82 Accelerated Algebraic Foundations 4 credits		MATH 103 College Algebra 3 credits	MATH 140X Accelerated Pre-Calculus 4 credits Emporium redesign using MyMathLab software		
MATH 9, 18, and 82 use ALEKS software in Emporium model redesigns							
<ul style="list-style-type: none"><li>A 1 credit math study skills course (MATH 16) is a MATH 9 co-requisite.</li><li>Sections of MATH 9 will be scheduled for either the first 5 weeks or the second 5 weeks of each semester. Reasonably capable and motivated students are expected to register for and pass MATH 9 in the first 5 weeks then register for and complete MATH 18 in the same semester.</li><li>Due to course redesign, it is possible for a student to complete the entire MATH 9-18-82 developmental math course sequence in a single semester and with a single semester's ALEKS access code.</li></ul>				<ul style="list-style-type: none"><li>MATH 103 continues to be offered in traditional format for the time being but an Emporium redesign using MyMathLab software will be piloted starting in summer 2011 with the intention of eventual full implementation of redesign.</li><li>Due to the accelerated pace of MATH 140X, the prerequisite is an A in MATH 103 or instructor consent.</li><li>The legacy pre-calculus MATH 135 and MATH 140 courses continue to be offered as traditional courses.</li></ul>			