

Leeward Community College Mathematics Pipeline Improvements

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|---|---|--|--|--|---|---|------------------------|
| The existing sequence from the Basic Mathematics course to qualifying for Calculus I is 7 semesters (21 credits) long. | | | | | | | |
| 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 | MATH 205 Calculus I |
| Due to course redesign and curricular changes, nearly all students can meet the Calculus I prerequisite in at most 4 semesters (14 credits). | | | | | | | |
| 1 | 2 | 3 | 4 | | | | |
| MATH 18/97 Essential Mathematics for Algebra 3 credits, full emporium redesign (permanent designation and numbering pending administrative approval) | MATH 82/98 Accelerated Algebraic Foundations 4 credits, full emporium redesign (permanent designation and numbering pending administrative approval) | MATH 103 College Algebra 3 credits | MATH 140X Accelerated Pre-Calculus 4 credits, hybrid redesign (new course proposal to be submitted in spring 2010) | | | | MATH 205 Calculus I |
| <ul style="list-style-type: none"> • Due to course redesign, it is possible for a student to complete both MATH 18/97 and 82/98 in a single semester. • Students scoring below 21 in the COMPASS Pre-Algebra domain will need to take a course prior to MATH 18/97. Leeward CC is working on an accelerated, one-credit course to replace the 3 credit MATH 1B. • Students earning a B or better letter grade in MATH 22 will also qualify for MATH 82/98. | | | | | <ul style="list-style-type: none"> • Students earning an A in MATH 103, and others who secure instructor approval, qualify for MATH 140X. • The hybrid redesign will have three hours of lecture and two hours of emporium-style lab each week. A full emporium redesign is under discussion. | | |