



Miles Community College Pathways & Math Course Progression

Program Areas	Career & Technical Math Pathway	Non-Algebra Math Pathway**	Algebra-Based Math Pathway (Yellow = degree requires calculus)				
	M 111 Technical Mathematics* M 108 Business Mathematics*	M 105 Contemporary Math or M105S Contemporary Math + Studio	STAT 216 Intro to Statistics	M 095 Intermediate Algebra*** or M095 + NC 019	M 121 College Algebra M 140 College Math for Healthcare STAT 216 Intro to Statistics	M 151 Pre-calculus M 161 Survey of Calculus M 122 College Trigonometry	M 171 Calculus I M 172 Calculus II
Ag, Equine, & Animal Science	A.A.S. Agriculture Production A.A.S. Equine Studies C.A.S. Agriculture	A.A. Equine Management A.S. Agriculture and Natural Resources Pathway		A.S. Agribusiness A.S. Animal Science (Livestock Management & Industry) A.S. Animal Science (Pre-Veterinary, Biotechnology, Nutrition, or Genetics) A.S. Natural Resources & Rangeland Management A.S. Wildlife and Fisheries Biology			
Automotive & Heavy Equipment Operations	C.A.S. Automotive Technology C.A.S. Heavy Equipment Operations						
Business	A.A.S. Small Business Management A.A.S. Office Administration and Technology C. Accounting C. Customer Relations C.A.S. Entrepreneurship C. Fundamentals of Business C. Sales and Marketing			A.S. Agribusiness A.S. Business			
Education		A.A. Education Pathway A.A. Health and Physical Education					
Healthcare	C. Phlebotomy			A.S. Allied Health (Pre-Professional Programs) A.S. Healthcare Informatics A.S. Medical Laboratory Technician A.S.N. Nursing A.A.S. Radiologic Technology			
STEM (Science, Technology, Engineering, & Math)	A.A.S. Information Technology—Graphic and Web Design A.A.S. Information Technology—Networking & PC Maintenance C. Graphic Design Assistant C. Networking Technician C. Computer Maintenance Assistant			A.S. STEM Pathway			
Transfer Paths & Custom Emphasis		A.A. General Studies A.S. General Studies <i>Some A.S. emphasis areas such as Social Science would require two math courses but not algebra.</i> C.A.S. General Studies		A.S. General Studies C.A.S. General Studies			

* M 111 and M 108 are not General Education Core mathematics courses.

**MCC degree does not require algebra-based math; however, students who intend to transfer should work with their advisor to consult the four-year degree requirements.

***M 095 is a prerequisite course and does not fulfill the math requirement for a degree.



Miles Community College Placement Matrix

Math Placements Using High School GPA****

High school GPA****	GPA ≥ 3.3	GPA ≥ 3.2	GPA ≥ 3.1	GPA ≥ 3.0	GPA ≥ 2.9	GPA ≥ 2.8	GPA ≥ 2.3	GPA ≥ 2.1 GPA ≤ 2.1
Math course taken in HS								
Calculus Pre-Calculus Trigonometry (C or better)	(NONA5) M 105 Contemporary Math STAT 216 Intro to Statistics (ALG6) M 121 College Algebra M 140 College Math for Healthcare STAT 216 Intro to Statistics	(NONA5) M 105 Contemporary Math STAT 216 Intro to Statistics (ALG5) M121 College Algebra + NC 021 Math Support Lab M140 College Math for Healthcare + NC 021 Math Support Lab STAT 216 Intro to Statistics			(NONA4) M 105 Contemporary Math (ALG4) M 095 M 095 Intermediate Algebra***			
Statistics (C or better)								(NONA1) M 105S Contemporary Math + Studio M 111 Technical Mathematics* M 108 Business Mathematics*
Integrated Math III or Algebra 2 (C or better)			(NONA4) M 105 Contemporary Math (ALG4) M 095 Intermediate Algebra***		(NONA3) M 105S Contemporary Math + Studio (ALG3) M 095 Intermediate Algebra*** + NC 019 Math Support Lab			(ALG1) M 095 Intermediate Algebra*** + NC 019 Math Support Lab
Integrated Math I or II or Algebra 1 (C or better)								
All other math courses					(NONA2) M 105S Contemporary Math + Studio M 111 Technical Mathematics* M 108 Business Mathematics* (ALG2) M 095 Intermediate Algebra*** + NC 019 Math Support Lab			

Reading & Writing Placements Using High School GPA****

GPA ≥ 3.0	GPA ≥ 2.7	GPA ≤ 2.69
(WR4) WRIT 101 College Writing I WRIT 121 Intro to Technical Writing WRIT 122 Intro to Business Writing WRIT 108 Elementary Technical Writing*	(WR3) WRIT 101 College Writing I + NC 098 Writing Support Lab WRIT 121 Intro to Technical Writing + NC 098 Writing Support Lab WRIT 122 Intro to Business Writing + NC 098 Writing Support Lab WRIT 108 Elementary Technical Writing*	(WR1) WRIT 101S College Writing I + Studio WRIT 121S Intro to Technical Writing + Studio WRIT 122S Intro to Business Writing + Studio WRIT 108 Elementary Technical Writing* + NC 098 Writing Support Lab

* M 111, M 108, & WRIT 108 are not General Education Core courses.
***M 095 is a prerequisite course and does not fulfill the math requirement for a degree.

****High school GPA must be at least 7 semesters (3.5 years) and less than 10 years old.
If the 7th semester ends after the MCC semester starts, students may use a 6.5 semester GPA.

Students without a qualifying GPA, ACT/SAT score, or transfer work will be placed at **WR 1, NONA 1, & ALG 1.**

If a student would like to challenge their placement, they may contact the Learning Center: LC@milescc.edu or 406-874-6152