

### Math Score Placement Matrix

Course Number	Course Name	Accuplacer	ALEKS PPL	SAT Math	ACT Math	High School GPA	Classes that meet the prerequisite	
<b>MTH 1081 + 1082 Lab</b>	Mathematics for Liberal Arts w/Lab	No prerequisites - open to all students						
<b>MTH 1080</b>	Mathematics for Liberal Arts	240 (QAS)	30	500	19	2.5	MAT 0250, 0300, 050, 055, 090, 099, or any college level math (some may require manual override)	
<b>MTH 1210</b>	Introduction to Statistics	240 (QAS)	30	500	19	3.0		
<b>MTH 1610</b>	Integrated Mathematics I	240 (QAS)	30	500	19	2.5		
<b>MTH 1108</b>	Stretch College Algebra Part I	210 (AAF)	30	500	19	N/A	MAT 0300, 055, or 099 (with manual override)	
<b>MTH 1111 + 1101 Lab</b>	College Algebra for Calculus w/Lab	230 (AAF)	40	530	22	N/A	MAT 0300, 055, or 099	
<b>MTH 1110</b>	College Algebra for Calculus	245 (AAF)	50	610	27	N/A	N/A	
<b>MTH 1115 + 1116 Lab</b>	College Algebra through Modeling w/Lab	220 (AAF)	35	500	19	N/A	MAT 0300, 055, or 099	
<b>MTH 1112</b>	College Algebra through Modeling	235 (AAF)	45	580	24	N/A	N/A	
<b>MTH 1120</b>	College Trigonometry	280 (AAF)	60	N/A	N/A	N/A	MTH 1109, 1110, 1111, 1112, or 1115	
<b>MTH 1311 + 1312 Lab</b>	Finite Mathematics for Mgmt. & Social Sciences w/Lab	220 (AAF)	35	500	19	N/A	MAT 0300, 055, or 099	
<b>MTH 1310</b>	Finite Mathematics for Mgmt. & Social Sciences	235 (AAF)	45	580	24	N/A	N/A	
<b>MTH 1320</b>	Calculus for Management & Social Sciences	260 (AAF)	60	N/A	N/A	N/A	MTH 1310, 1311, 1109, 1110, 1111, 1112, 1115, or 1400	
<b>MTH 1400</b>	Precalculus Mathematics	280 (AAF)	65	N/A	N/A	N/A	MTH 1109, 1110, or 1111 (with manual override)	
<b>MTH 1410</b>	Calculus I	290 (AAF) + chair permission	75	N/A	N/A	N/A	(MTH 1109, 1110, or 1111) + MTH 1120 or MTH 1400	
<b>Notes:</b>	<b>Accuplacer Key:</b> QAS: Quantitative Reasoning, Algebra, & Statistics; AAF: Advanced Algebra & Functions					<b>HS GPA and prior college coursework</b> have no expiration		
	<b>Standardized and/or placement test (SAT, ACT, AAF, QAS, ALEKS)</b> scores are valid for 5 years from the year of the test		<b>All ALEKS PPL</b> scores require a manual override**	<b>AP Calculus (AB) or (BC) exam information:</b> Score = 1 can be used for placement into MTH 1400 Score = 2 can be used for placement into MTH 1410 <b>AP Pre-Calculus exam information:</b> Score = 1 or 2 can be used for placement into MTH 1400			<b>If MTH 1400 is not being offered,</b> the recommended alternative is MTH 1110 & MTH 1120 taken concurrently or retest to qualify for MTH 1410 directly	

\*\*Please contact mathdepartment@msudenver.edu for ALEKS overrides

If a student has already passed ↓ then they can now take →

Coursework - grade 'C-' or higher	Eligible for:															
	MTH 1081/1082	MTH 1080	MTH 1210	MTH 1610	MTH 1108	MTH 1109	MTH 1111/1101	MTH 1110	MTH 1115/1116	MTH 1112	MTH 1120	MTH 1311/1312	MTH 1310	MTH 1320	MTH 1400	MTH 1410
MTH 1081	✓	0	✓	✓												
MTH 1080	✓	0	✓	✓												
MTH 1210	✓	0	0	0												
MTH 1610	✓	0	✓	0												
MTH 1108	✓	0	0	0	0	✓										
MTH 1109	✓	0	✓	✓	0	0	0	0	0	0	✓	0	0	✓	0	
MTH 1111	✓	0	✓	✓	0		✓	0	0	0	✓	0	0	✓	0	
MTH 1110	✓	0	✓	✓	0		✓	0	0	0	✓	0	0	✓	0	
MTH 1115	✓	0	✓	✓	0		0	0	0	0	✓	0	0	✓		
MTH 1112	✓	0	✓	✓	0		0	0	0	0	✓	0	0	✓		
MTH 1120	✓	0	0	0							0					needs 1110
MTH 1311	✓	0	0	0	0		0	0	0	0		0	0	✓		
MTH 1310	✓	0	0	0	0		0	0	0	0		0	0	✓		
MTH 1320	✓	0	0	0	0		0	0	0	0		0	0	0		
MTH 1400	✓	0	0	0	0		0	0	0	0	0	0	0	✓	0	✓
MTH 1410	✓	0	0	0	0		0	0	0	0	0	0	0	0	0	0
MAT 0250 (050)	✓	✓	✓	✓												
MAT 0300 (055)	✓	✓	✓	✓	0		✓		✓			✓				
MAT 030																
MAT 045																
MAT 060																
MAT 090	✓	✓	✓	✓												
MAT 095	✓	0	0	0												
MAT 096	✓	0	0	0												
MAT 099	✓	✓	✓	✓	0		✓		✓			✓				
MAT 107	✓	0	0	0												
MAT 108	✓	0	0	0												
<b>Notes:</b>	<p>The notation '✓' above is used to indicate that this prerequisite is Banner-enforced.  The notation '0' above indicates that an override is needed in SFASRPO, because the prerequisite is <i>not</i> Banner-enforced.  A blank cell above indicates that registration is <i>not permitted</i> .  If the prior coursework is not from MSU Denver (and has not yet transferred here) then an override will be needed in all cases.</p>															