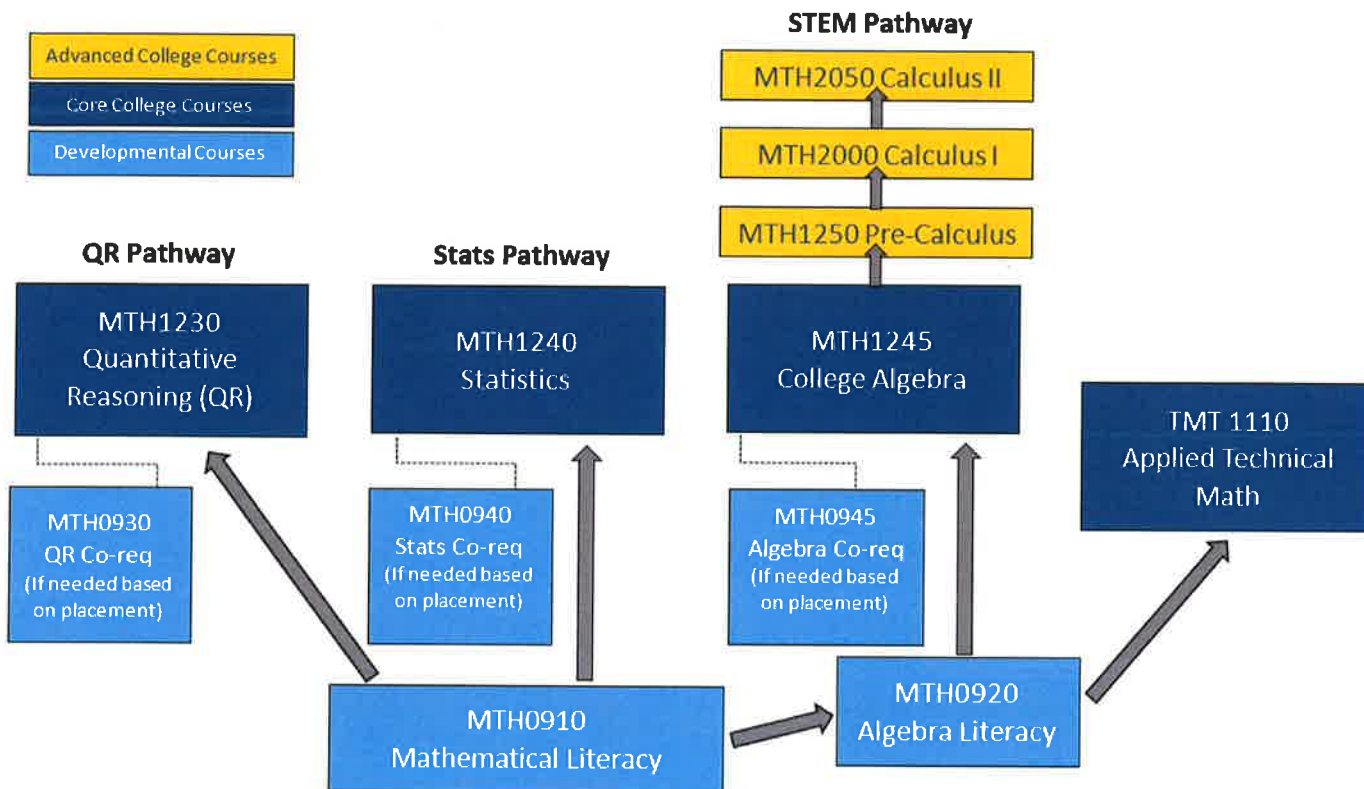**Marion**
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Math Placement Guidelines

Use the diagram below and the goal mathematics class to determine which Next-Generation ACCUPLACER test should be used.

Math Pathways

Next-Generation ACCUPLACER Quantitative Reasoning, Algebra, and Statistics (QAS) is used for placement on the QR or Stats Pathway.

Next-Generation ACCUPLACER Advanced Algebra and Functions (AAF) is used for placement on the STEM Pathway.

Note: TMT 1110 is an engineering math course. While on the STEM pathway, it is NOT pre-requisite to MTH 1245. Students who place into STEM Level 3 must still take the co-requisite for MTH 1245, even if they previously completed TMT 1110 (or take the AAF Accuplacer to potentially earn a higher placement score).

QR or Stats Pathway (Quantitative Reasoning or Statistics)

Take Next-Generation ACCUPLACER Quantitative Reasoning, Algebra, and Statistics (QAS)

Next-Generation ACCUPLACER Test
• **QAS** = Quantitative Reasoning, Algebra, and Statistics
• **AAF** = Advanced Algebra and Functions

ACCUPLACER Test
• **AR** = Arithmetic
• **EA** = Elementary Algebra
• **CLM** = College-Level Math

QR Stat Level	Math Course(s)	Multiple Measure Placement Indicators *(Scores/courses within five years)*				
		Next Generation ACCUPLACER (QAS)	**ACT Math**	**High School Courses and Letter Grades[1]**	**ACCUPLACER**	**GED Math Reasoning**
1	**ASPIRE Program**	200 – 219 (QAS)	0 – 9		(AR)	
2	**MTH0910** Mathematical Literacy (4 cr)	220 – 247 (QAS)	10 – 14		15 – 29 (EA)	
3	**MTH1230 PLUS MTH0930**: Quantitative Reasoning (QR) (3cr) & QR Co-Req (2 cr) **MTH1240 PLUS MTH0940**: Statistics (3 cr) and Statistics Co-Req (2 cr)	248 – 262 (QAS)	15 – 17	2 HS college prep (CP) math courses with grade B or higher	30 – 69 (EA)	
4	**MTH1230** Quantitative Reasoning (3cr) **MTH1240** Statistics (3cr)	263 – 300 (QAS) OR STEM Level 3 (see next chart)	18 – 36	3 HS CP math courses with grade B or higher	70 – 120 (EA)	165+

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[1] These courses are considered College Prep Math Courses: Algebra I, Geometry, Algebra II, Advanced Math, Trigonometry, Pre-calculus, Calculus, Probability & Statistics.

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STEM Pathway (College Algebra, Trigonometry, or Calculus)

Take Next-Generation ACCUPLACER Advanced Algebra and Functions (AAF)

Next-Generation ACCUPLACER Test
• **QAS** = Quantitative Reasoning, Algebra, and Statistics
• **AAF** = Advanced Algebra and Functions

ACCUPLACER Test
• **AR** = Arithmetic
• **EA** = Elementary Algebra
• **CLM** = College-Level Math

STEM Level	Math Course(s)	Multiple Measure Placement Indicators (Scores/courses within five years)				
		Next Generation ACCUPLACER (AAF)	ACT Math	High School Courses and Letter Grades[2]	ACCUPLACER	GED Math Reasoning
1	*Take Next-Generation QAS test to determine MTH 0910 or ASPIRE using the table above.*	200 – 215 (AAF)	0 – 14		0 – 29 (EA)	
2	**MTH0920** Algebraic Literacy (4 cr)	216 – 230 (AAF)	15 – 18	2 HS college prep (CP) math courses with grade B or higher	30 – 69 (EA)	165-174
3	**MTH1245 PLUS MTH0945**: College Algebra (3 cr) & Co-Req (2cr) **TMT1110** Technical Math[3] (3 cr)	231 – 249 (AAF)	19 – 21	3 HS CP math courses with grade B or higher	70 – 96 (EA)	174-200
4	**MTH1245** College Algebra (3 cr)	250 – 263 (AAF)	22 – 23	3 HS CP math courses with grade B or higher *(must include Algebra II)*	97 – 120 (EA)	
5	**MTH1250** Trigonometry (3 cr)	264 – 284 (AAF)	24 – 25	3 HS CP math courses with grade B or higher *(must include Trigonometry or Precalculus)*	63 - 89 (CLM)	
6	**MTH2000** Calculus I (5 cr)	285 – 300 (AAF)	26 – 36	4 HS CP math courses with grade B or higher *(must include Trigonometry or Precalculus)*	90–120 (CLM)	

[2] These courses are considered College Prep Math Courses: Algebra I, Geometry, Algebra II, Advanced Math, Trigonometry, Pre-calculus, Calculus, Probability & Statistics.

[3] AAS Engineering students only.

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Reading

Reading Level	Reading Course	Multiple Measure Placement Indicators (Scores/courses within five years)					
		Next Generation Reading ACCUPLACER	ACT Reading	High School Courses and Letter Grades	Classic ACCUPLACER	GED Language Arts	Previous College Coursework
1	**ASPIRE Program**	0-230	0-10		0-40		
2	**ENG 0970** Reading Enrichment (3 cr)	231-249	11-17		41-70		
3	**No course required**	250+	18-36	3 HS English courses with grade B or higher	79-120	165+	Completion of 12+ college credits with 2.6 cum. GPA

Writing

Writing Level	English Course	Multiple Measure Placement Indicators (Scores/courses within five years)					
		Next Generation Writing ACCUPLACER	ACT Writing	High School Courses and Letter Grades	Classic ACCUPLACER	GED Language Arts	Portfolio Review
1	**ASPIRE Program**	0-239	0 – 10		0 – 30		
2	**ENG1000** (3cr) PLUS **ENG0991** (3cr) (English Composition I AND Prep for College Writing Co-requisite)	240-262 AND Reading Level 3 or completion of ENG 0970	11 – 17		31 – 85		Submit samples of written work to English Faculty; consult advisor for more info
3	**ENG1000** English Composition I (3cr)	263 + AND Reading Level 3 or completion of ENG 0970	18 – 36	3 HS English courses with grade B or higher	86 – 120	165+	Submit samples of written work to English Faculty; consult advisor for more info