





**Multiple Measures used for Math Placement**

- Accuplacer test
- Scholastic Aptitude Test (SAT)
- HS Courses, grades and overall GPA, if student graduated within the past 5 years
- Background Questionnaire
- ACT scores
- GED Scores/Certificate

**SAT**

**New SAT Math Section**

Banner Code	Score	Suggested Course Placement
MST1	600 or higher	MAT*186
MST1	570-600	MAT*143, MAT*146, MAT*158, MAT*167, MAT*172
MST1	530-570	MAT*123, MAT*137
MST1	510-530	MAT*137S, MAT*123S
Old SAT (prior to Spring 2016)		
Banner Code	Score	Suggested Course Placement
MSAT	575 or higher	MAT*186
MSAT	550-575	MAT*143, MAT*146, MAT*158, MAT*167, MAT*172
MSAT	500-540	MAT*123, MAT*137
MSAT	470-500	MAT*137S

**Accuplacer**

Banner Code	Classic Accuplacer	Suggested Course Placement	Banner Code	Next Generation Accuplacer
KA05	CLM $\geq$ 70	MAT*186	KN01 and KN05	QAS 275-300 and AAF 251-300
KA05	CLM 40-69.9	MAT* 172	KN01 and KN05	QAS 275-300 and AAF 241-250
		MAT*143, MAT*146, MAT* 158, MAT*167	KN01	QAS 275-300
KA01	Elementary Algebra $\geq$ 66	MAT*123, MAT*137	KN01	QAS 250-274
KA01	Elementary Algebra 57-66	MAT*137S (4 credits), MAT*123S (4 credits) (Embedded support)	KN01 and KN02	QAS 246-249 and NGA $\geq$ 263
KA01	Elementary Algebra 40-65	MAT* 198 (non-stem) <i>Mat*198 is the pre-requisite for Mat*123, Mat*146 and Mat*167. Mat*198 does not fulfill the math graduation requirement in any degree. It is an open elective.</i> ~~~~~ or ~~~~~ MAT* 095	KN01 and KN02	QAS 235-245 and NGA $\geq$ 250
KA02 KA01	Arithmetic $\geq$ 33 Elementary Algebra $\leq$ 40	MAT* 095I	KN01 and KN02	QAS 230-238 and NGA $\geq$ 250
KA02	Arithmetic $<$ 33	Transitional Strategies Math class	KN01 and KN02	QAS $\leq$ 234 and NGA $<$ 250

- QAS-Quantitative Reasoning, Algebra and Statistics
- AAF- Advanced Algebra and Functions (similar to former CLM)
- NGA- Next Generation Arithmetic

## ACT

Banner Code	ACT score	Suggested Course Placement
	N/A	MAT*186 (use other measures)
ACTM	22 or higher	MAT*143, MAT*146, MAT*158, MAT*167, MAT*172
ACTM	18-21	MAT*123, MAT*137
ACTM	15-17	MAT*137S

## GED Mathematical Reasoning

Banner Code	Score	Suggested Course Placement
GEDM	165 or higher	MAT*123, MAT*137

## High School Transcripts

Banner Code	Highest Level HS class	Grade	Suggested Course Placement
	Algebra 1	Grade C- or lower	MAT*095I
	Algebra 1	Grade C or higher	MAT*095
	Algebra 2	Grade C- or lower	MAT*095, MAT*198
	Algebra 2	Grade C or higher	MAT*137
	Pre-Calc	Grade of C- or lower	MAT*172-level, MAT*158
	Pre-Calc	Grade of C or higher	MAT*186
	Calculus 1	Grade of C or higher	MAT*254

Note: Students who have taken four years of math classes with grades of B or higher may be placed one level above where they finished in high school, even if SAT/ACT scores indicate otherwise.

### New Course Descriptions

**MAT\*158 Functions, Graphs and Matrices:** Prerequisite: MAT\* K137/MAT\* K137S with a "C" grade or higher. A course in select topics from contemporary math focused on applications in business, economics and finances. Topics include the concept of function and its rate of change, a review of algebraic and graphical aspects of polynomial functions, a study of exponential and logarithmic functions, mathematical modeling, and operations on systems of linear equations including matrix operations. A graphing calculator is used throughout the course.

**MAT\*198 Special Topics: Math Preparation for Non-Stem Pathway:**

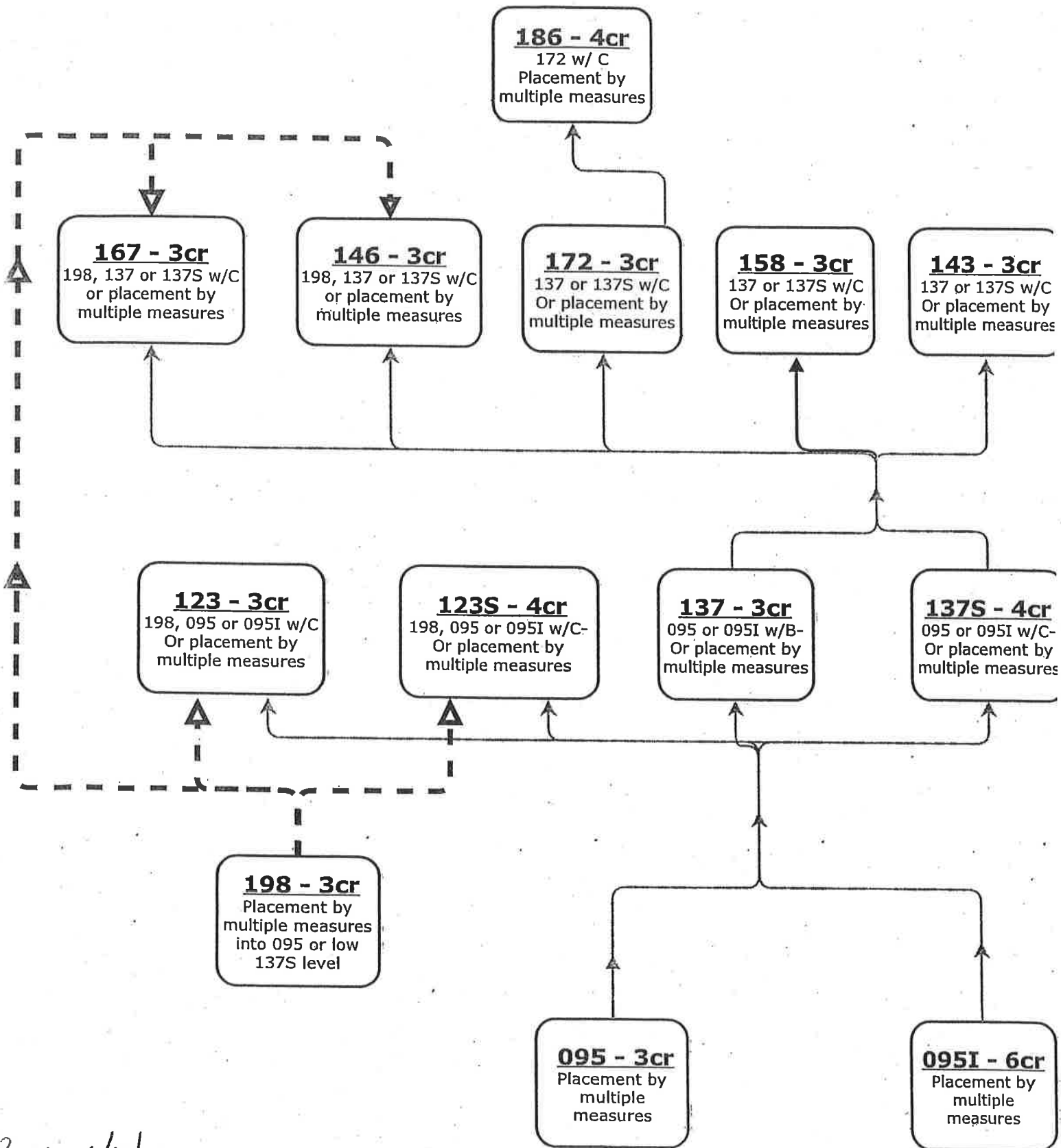
*Students who place into 095 or low 137S are eligible to take 198 if they are non-stem.*

This course prepares students for college level courses required for non-STEM majors. The course develops understanding of number systems, different representations of numbers, operations on numbers, including numbers expressed in scientific notation. The course introduces linear functions, their graphs, and modeling relationships between quantities using functions. Topics also include simplifying polynomial, radical, and exponential expressions; solving, analyzing and modeling linear equations; analyzing and modeling exponential equations; writing and solving systems of linear equations; and using geometric formulas. Throughout the course, there will be an emphasis on modeling and solving real world problems. Mat 198 does not fulfill the graduation requirement in any degree.

# Three Rivers Community College

## Math Prerequisite Flowchart

### Developmental to Precalculus



Rev. 1/7/19



# Three Rivers Community College

Effective: Spring 2019  
Revision: 12/21/2018

## Multiple Measures used for English Placement

- Accuplacer placement test
- Scholastic Aptitude Test (SAT)
- ACT scores
- GED Scores/Certificate
- HS course(s) Grades and GPA if student graduated within the past 5 years
- Background Questionnaire

### SAT

*Accuplacer is waived if a student places into ENG 101 based on SAT scores*

New SAT			
Reading Test	or	Writing & Language Test	Suggested Course Placement
<i>Banner Code RST1</i>		<i>Banner Code WST1</i>	
25 or higher		26 or higher	
OLD SAT prior to Spring 2016			
Critical Reading	or	Writing	Suggested Course Placement
<i>Banner Code RSAT</i>		<i>Banner Code WSAT</i>	
450 or higher		ENG 101	
435-449	ENG 101S		
434 or lower	ENG 096		

### Accuplacer

Classic Accuplacer		Suggested Course Placement	Next Generation Accuplacer	
Both Reading and Sentence Skills scores must be evaluated before determining course placement. Although ENG 101/101S emphasizes writing, reading score is important. In the case of large splits, place in the middle or upward.				
<b>Reading</b>	<b>and</b>	<b>Sentence Skills</b>	<b>Reading</b>	
<i>Banner Code KA03</i>		<i>Banner Code KA04</i>	<i>Banner Code KN03</i>	
83-120*		88-120*	ENG 101	258-300
75-82*		72-87*	ENG 101S	251-257
57-74*		57-71*	ENG 096**	230-250
57 and lower		57 and lower	Transitional Learning Strategies	0-229

\* If a score falls 5 points above or below the target score, the advisor may use multiple measures to decide if the student is placed at the higher or lower course level.

\*\* If classic reading score falls into range of 096, it is recommended that sentence scores be at least 52 to consider placement into 096

**Please Note: The NG (New Generation) Writing Score that appears on the student score report is NOT to be used for placement**

# Three Rivers Community College

Effective: Spring 2019  
Revision: 12/21/2018

## ACT

Banner Code	ACT score	Suggested Course Placement
ACT1	21 or higher	ENG 101

## High School

Banner Code	Highest Level HS class	Grade	Suggested Course Placement
	AP English *	C or higher	ENG 101
	AP English	C- or higher	ENG 101S
	AP English	D/F	ENG 096
	CP or Honors HS English	B- or higher	ENG 101
	CP or Honors HS English	C- or higher	ENG 101S
	CP or Honors HS English	D/F	ENG 096
	TRCC Middle College 096 ENG	B or higher	ENG 101
	General HS English	C or higher	ENG 101S
	General HS English	C- or lower	ENG 096

\* Score of 3 on CEEB AP English Language receives 101 credit

## HS GPA

*HS GPA is a strong predictor of success*

High School GPA	Course
3.0	ENG 101
2.5	ENG 101S
2.0	ENG 096
1.0	TLC



# Three Rivers Community College

Effective: Spring 2019  
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## GED Reasoning Through Language Arts

Banner Code	Score	Suggested Course Placement
GEDR	165 or higher	ENG 101

## ESL Accuplacer (LOEP)

*Students who did not attend High School in the United States or who have ESL/ELL English classes on their High School transcripts will be advised to take ESL Accuplacer.*

Banner Code	Test	Score	Placement
KA07	ESL Sentence AND	107 and above	ENG 096
KA08	ESL Language	101 and above	
	ESL Writeplacer	Scored at TRCC	
KA07	ESL Sentence AND	89-106	ESL 063
KA08	ESL Language	83-100	
	ESL Writeplacer	Scored at TRCC	
KA07	ESL Sentence AND	62-88	ESL 061
KA08	ESL Language	56-82	
	ESL Writeplacer	Scored at TRCC	
KA07	ESL Sentence AND	50-61	ESL 060
KA08	ESL Language	40-55	
	ESL Writeplacer	Scored at TRCC	

