Directed Self-Placement For Mathematics

To Incoming Students of Union County College

I would like to welcome you to Union County College and the educational journey that you are about to begin. Please know that all the Faculty and Staff at Union County College are committed to supporting your studies as you work towards your degree.

The first step of any journey is the most important one and thus we want to get all of you "off on the right foot. The courses you select for your first semester will be challenging and are the foundation for the rest of your studies.

To help you select the math course that is the best for your degree program, we have developed a Directed Self-Placement (DSP) process. Our DSP will help you determine which initial Union County College Math course is best for you based upon your current math skills and your confidence in solving math problems.

The DSP process consists of three easy steps:

1. Review Math Course Expectations and Course Descriptions
2. Complete the Math Directed Self-Placement Questionnaire
3. Select your preferred Math course

The questionnaire will ask you about your previous math classes and what are your future goals. All three of the above steps should take about 15 minutes to complete.

I would also like to take this opportunity to tell you that the College offers FREE tutoring service in the Academic Learning Centers that are located on all campuses

Again, welcome to Union County College and sincere wishes for your academic success!

Dean William Dunscombe
STEM Division
Union County College

Union County College
Academic Affairs
College Placement for Mathematics

Multiple Measures Exemption	Score	Explanation
High School GPA	3.0 or higher	Student took three years of mathematics
SAT Mathematics score	530 or higher on previous SAT; 500 or higher on current SAT	
ACT Score	20 or higher	
A.A./A.S. or B.A/B.S. degree		
Transfer credit for one semester of college-level mathematics		
Satisfactory completion of developmental courses in mathematics at another institution		Advisor will review transcript for equivalency
Visiting student		
Qualifying Accuplacer scores		Previous or current test scores accepted
Other Test Score Exemptions	**Score**	**Explanation**
Advanced Placement scores	4 or 5 on AB Calculus placement into MAT 171 4 or 5 on BC placement into MAT 172	
PARCC Mathematics 11	4 or higher (raw score of 750)	
IB test scores	4 or higher on Mathematics SL for MAT 119; 4 or higher on Math (further) for MAT 125; 5 or higher on Mathematics HL for MAT 155; 6 or 7 on Mathematics HL for placement into MAT 171	
Other Exemptions	**Score**	
Direct Self Placement Survey	Student agrees/strongly agrees with #1-4 (developmental math) Student agrees/strongly agrees with #1-6 and took and passed three (3) years of math in high school (MAT 119) Student agrees/strongly agrees with #1-5 and 7+8 and took and passed three years of math in high school (MAT 125 or 127)	

Mathematics Course Expectations:
Which is the best fit for you?

The sequence of these courses is appropriate for liberal arts majors
(NON-STEM AND NON-BUSINESS)

MAT 017*

- You have not taken a math class in more than 5+ years and need a math refresher

- You would like help with skill development in basic math operations

MAT 125

- You have taken 2 or 3 years of math in high school

- You enjoy math and like to apply it to every day concepts

- You are familiar with probability, geometry, and logic

MAT 127

- You have taken 2 or 3 years of math in high school

- You like analyzing data and looking at graphs

- You are familiar with standard deviation, mean, median, and mode

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* Courses beginning with a 0 are part of the developmental course sequence and do not count towards degree requirements.

Mathematics Course Expectations:
Which is the best fit for you?

The sequence of these courses is appropriate for
STEM and Business (AA) majors

MAT 019*

- You have not taken a math class in more than 5+ years and need a math refresher

- You would like help with skill development in basic math operations

MAT 119

- You took 3 years of math in high school

- You like math

- You can solve equations with two variables and are familiar with quadratic equations

MAT 143

- You agree with everything for MAT 119, and...

- You can draw a parabola

- You can solve equations with exponents and square roots

- You can work with relations, domains, functions, and ranges

MAT 155

- You agree with everything for MAT 143, and...

- You do not need to use a graphing calculator

- You like the challenge of a fast paced course

- You are familiar with logarithmic functions and various graphing techniques

MAT 171

- You agree with everything for MAT 155, and...

- You took pre-calculus in high school and earned a "B" or better

- You are familiar with derivatives and can apply them to solve real-world problems

- You are familiar with limits, asymptotes, extrema, and points of inflection

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Mathematics Course Descriptions:
What will you learn in a specific course?

MAT 017*	MAT 019*	MAT 125	MAT 127	MAT 119	MAT 143	MAT 155	MAT 171
Introduction to Elementary Algebra	Introduction to Elementary Algebra for Advanced Math Students	Survey of Special Topics for Mathematics	Elementary Statistics	Algebra	Elementary Mathematical Analysis I	Elementary Mathematical Analysis	Unified Calculus I
5 credits	5 credits	4 credits	4 credits	4 credits	4 credits	5 credits	4 credits
This course is designed for non-STEM majors and covers introductory algebra and mathematical concepts to prepare students for MAT 125 or MAT 127.	This course is designed for STEM majors and covers introductory algebra and mathematical concepts to prepare students for MAT 119 and beyond.	This course is designed to give students an appreciation of the beauty and utility of mathematics, and to provide a better idea of what mathematics is and where it can be applied.	This course is an elementary course in descriptive statistics and statistical inference.	This course is for students who have mastered basic algebra, to teach the students more complex algebra topics, and to prepare the students to take next level mathematics courses.	This course introduces the concepts and techniques needed to proceed to more advanced mathematics and science courses, such as calculus.	This course is an accelerated one semester Pre-Calculus course designed for students with sufficient mathematics background but in need of a review of material prior to taking Calculus.	This course is a college level study in Calculus.

STEP 2: Take the Directed Self-Placement Questionnaire
&
STEP 3: Select your preferred course placement.

Math Directed Self-Placement Questionnaire
By clicking the link below, you will be redirected to the Self-Placement Survey for Math.
This Survey must be completed by the student.

www.ucc.edu/dspmath

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