

## Mathematics (MAT) Course Equivalency Guide between Maricopa Community Colleges and Grand Canyon University



The following table is the assessment of the courses between Maricopa Community Colleges and Grand Canyon University. The following will be used in evaluating official transcripts.

These courses fulfill the competency requirements; however, the courses may not fulfill the credit requirements. To obtain an undergraduate degree at GCU, students are required to meet a minimum of 120 semester credit hours.

Maricopa Community Colleges			Grand Canyon University		
Transfer Course Code	Transfer Course Title	Transcript Credit	GCU Course Code	GCU Course Title OR General Education Category (if applicable)	Applied Semester Credits
MAT103AA	MATHEMATICS FOR INDUSTRIAL APPLICATIONS I	2		Critical Thinking Transfer - LD	2
MAT103AB	MATHEMATICS FOR INDUSTRIAL APPLICATIONS II	2		Critical Thinking Transfer - LD	2
MAT108	TUTORED MATHEMATICS	2		Critical Thinking Transfer - LD	2
MAT108AA	TUTORED MATHEMATICS	1		Critical Thinking Transfer - LD	1
MAT112	MATHEMATICAL CONCEPTS AND APPLICATIONS	3		Critical Thinking Transfer - LD	3
MAT120/121/122	INTERMEDIATE ALGEBRA	3-5		Critical Thinking Transfer - LD	3-5
MAT122AA	INTERMEDIATE ALGEBRA I	1		Critical Thinking Transfer - LD	1
MAT122AB	INTERMEDIATE ALGEBRA II	1		Critical Thinking Transfer - LD	1
MAT122AC	INTERMEDIATE ALGEBRA II	1		Critical Thinking Transfer - LD	1
MAT140/141/142	COLLEGE MATHEMATICS	3-5	MAT-144	COLLEGE MATHEMATICS <u>AND</u> Critical Thinking Transfer – LD (0-1)	3-5
MAT150/151/152	COLLEGE ALGEBRA/FUNCTIONS	3-5	MAT-154	APPLICATIONS OF COLLEGE ALGEBRA <u>AND</u> Critical Thinking Transfer – LD (0-1)	3-5
MAT151AA	COLLEGE ALGEBRA/FUNCTIONS	1		Critical Thinking Transfer - LD	1
MAT151AB	COLLEGE ALGEBRA/FUNCTIONS II	1		Critical Thinking Transfer - LD	1
MAT151AC	COLLEGE ALGEBRA/FUNCTIONS III	1		Critical Thinking Transfer - LD	1
MAT151AD	COLLEGE ALGEBRA/FUNCTIONS IV	1		Critical Thinking Transfer - LD	1
MAT156	MATHEMATICS FOR ELEMENTARY TEACHERS I	3	MAT-150	MATHEMATICS FOR ELEMENTARY TEACHERS I	3
MAT157	MATHEMATICS FOR ELEMENTARY TEACHERS II	3	MAT-151	MATHEMATICS FOR ELEMENTARY TEACHERS II	3
MAT172	FINITE MATHEMATICS	3		Critical Thinking Transfer - LD	3
MAT182	PLANE TRIGONOMETRY	3		Critical Thinking Transfer - LD	3
MAT187	PRECALCULUS	5	MAT-250 <u>OR</u> MAT-261	COLLEGE ALGEBRA AND TRIGONOMETRY <u>OR</u> PRE- CALCULUS <u>AND</u> Critical Thinking Transfer – LD (1)	5
MAT206	ELEMENTS OF STATISTICS	3	MAT-274 <u>OR</u> BIO-365	PROBABILITY AND STATISTICS <u>OR</u> BIOMEDICAL STATISTICS	3
MAT212	BRIEF CALCULUS	3	MAT-252 <u>OR</u> MAT-351	CALCULUS AND ANALYTIC GEOMETRY I <u>OR</u> CALCULUS FOR BIOMEDICAL SCIENCES	3
MAT213	BRIEF CALCULUS	4	MAT-351	CALCULUS FOR BIOMEDICAL SCIENCES	
MAT217/218	MATHEMATICAL ANALYSIS FOR BUSINESS	3-4		Critical Thinking Transfer - LD	3-4
MAT220/221	CALCULUS WITH ANALYTIC GEOMETRY I	3-4	MAT-252 <u>OR</u> MAT-351	CALCULUS AND ANALYTIC GEOMETRY I <u>OR</u> CALCULUS FOR BIOMEDICAL SCIENCES <u>AND</u> Critical Thinking Transfer – LD (0-1)	3-4

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MAT220/221 AND MAT230/231 AND MAT240/241	CALCULUS WITH ANALYTIC GEOMETRY I AND CALCULUS AND ANALYTIC GEOMETRY II AND CALCULUS AND ANALYTIC GEOMETRY III	9-12	MAT-262 AND MAT-264	MAT-262: CALCULUS FOR SCIENCE AND ENGINEERING I AND MAT-264: CALCULUS FOR SCIENCE AND ENGINEERING II AND Critical Thinking Transfer – LD (1-4)	9-12
MAT222	INTRODUCTION TO ACTUARIAL SCIENCE: ELEMENTS AND TECHNIQUES	3		Critical Thinking Transfer - LD	3
MAT225	ELEMENTARY LINEAR ALGEBRA	3	MAT-345	APPLIED LINEAR ALGEBRA	3
MAT227	DISCRETE MATH STRUCTURES	3	CST-215	DIGITAL LOGIC AND DESIGN LECTURE & LAB	3
MAT230/231	CALCULUS AND ANALYTIC GEOMETRY II AND	3-4	MAT-253	CALCULUS AND ANALYTICAL GEOMETRY II	3-4
MAT240/241	CALCULUS AND ANALYTIC GEOMETRY III	3-4	MAT-254	CALCULUS AND ANALYTICAL GEOMETRY III	3-4
MAT256	INVESTIGATING QUANTITY: NUMBER, OPERATIONS, AND NUMERATION SYSTEMS	4	MAT-150	MATHEMATICS FOR ELEMENTARY TEACHERS I	4
MAT257	INVESTIGATING GEOMETRY, PROBABILITY, AND STATISTICS	4	MAT-151	MATHEMATICS FOR ELEMENTARY TEACHERS II	4
MAT261/262	DIFFERENTIAL EQUATIONS	3-4		Critical Thinking Transfer - LD	3-4
MAT276/277	MODERN DIFFERENTIAL EQUATIONS	3-4	MAT-364	DIFFERENTIAL EQUATIONS FOR SCIENCE AND ENGINEERING	3-4
MAT282AA	SERVICE-LEARNING EXPERIENCE IN MATHEMATICS	1		Elective Transfer – LD	1
MAT282AB	SERVICE-LEARNING EXPERIENCE IN MATHEMATICS	2		Elective Transfer – LD	2
MAT282AC	SERVICE-LEARNING EXPERIENCE IN MATHEMATICS	3		Elective Transfer – LD	3
MAT290	MATHEMATICS PROFESSIONAL DEVELOPMENT	1		Elective Transfer – LD	1
MAT295	SPECIAL TOPICS IN MATHEMATICS	1		Critical Thinking Transfer - LD	1
MAT296WA-D	COOPERATIVE EDUCATION	1-4		Elective Transfer – LD	1-4
MAT298AA-AC	SPECIAL PROJECTS	1-3		Critical Thinking Transfer - LD	1-3

All Grand Canyon University programs follow a Program of Study, which can be changed by the University at any time. All Programs of Study are subject to the terms, conditions, and policies outlined in the University's enrollment application and the [University Policy Handbook](#).

Effective July 2017