De Anza College

21250 Stevens Creek Blvd.
Cupertino, CA 95014
408-864-5678
www.deanza.edu

Academic Year

2022 - 2023

Noncredit Mathematics

Physical Sciences, Mathematics
and Engineering Division
Bldg. S3, Room S31
408-864-8800

Find your counselor at
deanza.edu/our-counselors

Please visit your counselor to apply for certificates or degrees and for academic planning assistance.

Noncredit Certificate Requirements
Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply.

- Completion of all major courses with a C grade, passing grade or satisfactory progress.

Note: Each course must be completed at De Anza College.

Bridge to Precalculus
Certificate of Competency
Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply.

The Certificate of Competency in Bridge to Precalculus sequence includes four courses. Students benefit from increased exposure to Algebra content through a variety of strategies along with additional opportunities to ask questions and practice their skills. This sequence provides extra support, time and enrichment for students to develop Algebra skills that are critical for success in Precalculus – which can in turn be applied to the Mathematics requirement for transfer and prepares students for further transfer-level and degree-specific math courses.

Program Learning Outcomes: Upon completion, students will be able to
- Evaluate real-world situations by applying linear, quadratic and exponential function models appropriately
- Distinguish between and manipulate linear, quadratic and exponential models
- Demonstrate sound algebraic techniques by applying proper mathematical notation to problems involving algebraic and transcendental functions
- Demonstrate sound algebraic techniques by applying proper mathematical notation to trigonometric problems

1. Meet the requirements for this certificate level.
2. Complete the following.

MATH 330	Intermediate Algebra for Precalculus	60 hours
MATH 431A	Algebra Support for Precalculus I (Part 1)	30 hours
MATH 431B	Algebra Support for Precalculus I (Part 2)	30 hours
MATH 432	Algebra Support for Precalculus II	30 hours
	Total Hours Required 150	

Bridge to Precalculus 2
Certificate of Competency
Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply.

The Certificate of Competency in Bridge to Precalculus 2 sequence includes three courses. Students benefit from increased exposure to Algebra content through a variety of strategies along with additional opportunities to ask questions and practice skills. This sequence will help students develop Algebra skills that are important to succeed in Precalculus, which can be applied to the Mathematics requirement for transfer and prepares students for further transfer-level and degree specific math courses.

Program Learning Outcomes: Upon completion, students will be able to
- Evaluate real-world situations by applying linear, quadratic and exponential function models appropriately
- Distinguish between and manipulate linear, quadratic and exponential models
- Demonstrate sound algebraic techniques by applying proper mathematical notation to problems involving functions
- Demonstrate sound algebraic techniques by applying proper mathematical notation to trigonometric problems

1. Meet the requirements for this certificate level.
2. Complete the following.

MATH 330	Intermediate Algebra for Precalculus	60 hours
MATH 431	Algebra Support for Precalculus I	30 hours
MATH 432	Algebra Support for Precalculus II	30 hours
	Total Hours Required 120	

Bridge to Statistics

Certificate of Competency

Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply.

The Certificate of Competency in Bridge to Statistics sequence includes two courses for students who need the core algebraic prerequisite skills, competencies and concepts used in Statistics. Students benefit from increased exposure to Algebra content and techniques through a variety of strategies along with additional opportunities to ask questions and practice skills. This certificate fully prepares students for Statistics, which can be applied to the Mathematics requirement for transfer.

Program Learning Outcomes: Upon completion, students will be able to
- Demonstrate mathematical concepts, skills, and numeracy needed for understanding Probability and Statistics
- Evaluate real-world situations and distinguish between and apply linear and exponential function models appropriately
- Analyze, interpret, and communicate results of linear and exponential models in a logical manner
- Organize sample data by constructing and/or evaluating tables, graphs, and numerical measures of characteristics of data

1. Meet the requirements for this certificate level.
2. Complete the following.

MATH 309	Intermediate Algebra for Statistics	60 hours
MATH 410X	Support for Statistics	30 hours
	Total Hours Required **90**	

Math Basic Skills

Certificate of Competency

Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply.

The Certificate of Competency in Math Basic Skills sequence provides high-quality instructional materials and additional instructional time to help struggling students get on track. This certificate is part of a developmental sequence of basic skills courses leading to transfer-level work that ultimately prepares students for Intermediate Algebra, which satisfies the Mathematics proficiency requirement for the De Anza AA/AS degree.

Program Learning Outcomes: Upon completion, students will be able to
- Demonstrate mathematical concepts, skills and numeracy
- Demonstrate and apply a systematic and logical approach to solving arithmetic and geometric problems
- Evaluate real-world situations and distinguish between and apply linear and quadratic function models
- Evaluate real-world situations and distinguish between and apply exponential, logarithmic, rational and discrete function models appropriately
- Analyze, interpret and communicate results of exponential, logarithmic and rational models in a logical manner from four points of view - visual, formula, numerical, and written

1. Meet the requirements for this certificate level.
2. Complete the following.

MATH 314	College Math Preparation Level 3: Intermediate Algebra	60 hours
MATH 410	College Math Preparation Level 1: Pre-Algebra	60 hours
MATH 412	College Math Preparation Level 2: Beginning Algebra	60 hours
	Total Hours Required **180**	