

Choose two courses from the following:

CISC 150	Introduction to Computer and Information Sciences	3
MATH 118	Math for the Liberal Arts Student	3
MATH 119	Elementary Statistics	3
MATH 255	Differential Equations	3
PSYC 101	General Psychology	3
PHYS 195	Mechanics	5
PHYS 196	Electricity and Magnetism	5
PHYS 125	General Physics	5
PHYS 126	General Physics II	5

Total Units = 25–29

Note: Additional recommended electives: Any one course in Life Sciences, and courses supporting the major.

For graduation requirements see **Requirements for the Associate Degree** on page 110.

Electives as needed to meet minimum of 60 units required for the degree.

Associate of Arts Degree: Mathematics

Courses Required for the Major:		Units
MATH 150	Calculus with Analytic Geometry I	5
MATH 151	Calculus with Analytic Geometry II	4
MATH 245	Discrete Mathematics	3
MATH 252	Calculus with Analytic Geometry III	4
MATH 254	Introduction to Linear Algebra	3

Select three units from:

MATH 119	Elementary Statistics or	
MATH 255	Differential Equations or	
PHIL 101	Symbolic Logic	3

Total Units = 22

Recommended Electives: Computer and Information Sciences 150; Mathematics 118, 119, 255, Psychology 101; Physics 125, 126.

Associate in Science in Mathematics for Transfer Degree:

The Associate in Science in Mathematics for Transfer Degree is intended for students who plan to complete a bachelor's degree in Mathematics or a related major in the California State University (CSU) system. It is accepted by some but not all CSU campuses. Students who complete this degree and transfer to a participating CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. It may not be

appropriate preparation for students transferring to a CSU campus that does not accept the degree.

Program Learning Outcomes:

Students who complete the Mathematics for Transfer Program will be able to:

- Create a mathematical model for an applied problem
- Use a model to solve an applied problem
- Communicate in words the solution to an applied problem using correct units
- Identify answers that are extraneous or unreasonable within the context of the given problem

Students will be assessed through a combination of performance evaluations, written assignments, and written tests and quizzes.

Note: Students who plan to complete this degree should consult a counselor and visit www.assist.org for additional information about participating CSU campuses as well as university admission, degree, and transfer requirements.

Award Notes:

Students are required to complete a maximum of 60 CSU-transferable units with a minimum overall grade point average of 2.0.

Major: A minimum of 18 units with grade of "C" or "P" or better.

General Education: In addition to the courses required in the major, students must complete one of the following general education options:

- The California State University General Education Breadth pattern
- The Intersegmental General Education Transfer Curriculum pattern

Note: Completion of the California State University American Institutions graduation requirement is strongly recommended prior to transfer.

Courses Required for the Major:		Units
MATH 150	Calculus with Analytic Geometry I	5
MATH 151	Calculus with Analytic Geometry II	4
MATH 252	Calculus with Analytic Geometry III	4

Category A: Select one course from the following (3 units):

MATH 254	Introduction to Linear Algebra	3
MATH 255	Differential Equations	3

Category B: Select one course from the following or any course not selected in Category A (3 units):

CISC 186	Visual Basic Programming	4
CISC 187	Data Structures in C++	4
CISC 190	Java Programming	4
CISC 192	C/C++ Programming	4
MATH 245	Discrete Mathematics	3
PHYS 195	Mechanics	5
PHYS 196	Electricity and Magnetism	5
PHYS 197	Waves, Optics and Modern Physics	5
MATH 119	Elementary Statistics or	
PSYC 258	Behavioral Science Statistics or	
BIOL 200	Biological Statistics	3

Total Units = 19-21

Electives as needed to meet maximum of 60 units required for the degree.

Transfer Information

Students planning to transfer to a four-year college or university should complete courses required for the university major and the general education pattern required by that transfer institution. See catalog TRANSFER INFORMATION section. Additional courses may be required to meet university lower-division requirements. **Course requirements at the transfer institution are subject to change and may be verified by a counselor or by consulting the current university catalog. Many Baccalaureate in Arts degrees require third semester competency in a foreign language. Consult the current catalog of the transfer institution and consult with a counselor.**

Medical Assisting

Award Type	Units
Certificate of Achievement:	
Medical Assisting	29-30
Patient Care Coordinator	22.5
Associate of Science Degree:	
Medical Assisting	29-30*

* and courses to meet graduation requirements, general education and electives as needed to meet the minimum of 60 units required for the degree.

Description

The Medical Assisting program offers a two semester Certificate of Achievement in Medical Assisting. All students who successfully complete

the Medical Assisting program will be awarded a Certificate of Achievement. Graduates are eligible to sit for several national and state certification and registration exams. Students who have been awarded a Certificate of Achievement in Medical Assisting may continue and complete the additional courses needed for the Associate Degree in Medical Assisting.

A grade of "C" or better must be maintained in all courses to continue in the program. Course repetition in this program is not permitted. The program is governed by the Allied Health Department Policies.

Eligibility for enrollment in this program is determined by a special admission procedure. Interested persons should review program information at <https://www.sdmesa.edu/academics/v2/programs/medical-assisting/index.shtml>

Directed Clinical Practice Requirement

Students accepted into this program will be required to successfully complete Directed Clinical Practice/ clinically-based courses held in health care facilities. These facilities may require background checks, including fingerprinting and urine drug screens, as a condition of placement at the clinic. Refusal to submit to a background check, or failure to meet clearance criteria established by the health care facility, may prevent placement in the Directed Clinical Practice/clinically-based course and thus, it may not be possible to successfully complete the program. Health care facilities also require adherence to strict standards of conduct. Facilities may refuse educational access to any person who does not adhere to the facility's standards of safety, health and ethical behavior. This may be cause for removal from the program.

Program Goals

The goal of the Medical Assisting Program is to prepare students to enter the workforce as an entry level Medical Assistant as well as make them eligible to sit for several national and state certification and registration exams.

Career Options

Clinical Medical Assisting, Administrative Medical Assisting.