



ABOUT THIS MAJOR

This program is designed to familiarize students with the standards and practices of metrology used in the aerospace manufacturing industries, which includes hands-on training and familiarization with metrology tooling, equipment, and systems. Jobs associated with this certificate are Tool & Die Maker, Machinist, Metrology

Tech, Dimension Control Tech, Tool Design, and Tool Engineer. Students must receive a minimum grade of "C" or better in all required core courses and the specific courses listed as program electives to qualify for the certificate. For more information on Aeronautical & Aviation Technology, visit the [Aerospace, Industrial Arts and Applied Technologies \(CTE\)](#) division.

TO EARN A DEGREE A STUDENT MUST COMPLETE THE FOLLOWING:

- [1] Completion of Major & Program Electives Courses
- [2] Minimum grade point average of 2.0
- [3] A C or better in all courses required for the major

Cert- Metrology Sciences for Aerospace Manufacturing (MSAM)
[Total Units Required for the Major: 10]

Required Courses (21 units)	
MSAM110 - Fundamentals of Dimensional Metrology	4
MSAM115 - Metrology Systems and Application	6
Prerequisite: Completion of MSAM 110.	

RECOMMENDED PATHWAY

Cert. Metrology Sciences for Aerospace Manufacturing Cert

The Recommended Plan of Study is determined by the discipline faculty. Take classes in Summer or Intersession if needed to complete your degree in a timely manner!

Fall/Spring: Max 19 units | Summer: Max 9 units | Intersession: Max 6 units

SEMESTER 1	
Course	Units
MSAM 110	4
Total Units	4

SEMESTER 2	
Course	Units
MSAM 115	6
Total Units	6
Total degree units	10

COUNSELING NOTE SECTION

Prerequisite: If a course is listed as a prerequisite for another course, that prerequisite course must be completed with a satisfactory grade to enroll in the next course. A satisfactory grade is a grade of "A," "B," "C" or "P". Students who enroll in classes for which they do not meet the prerequisites will be involuntarily dropped. Students will be notified of this involuntary drop. Title 5, Section 55200(d)

Application for Graduation:
 Antelope Valley College awards degrees three times annually following the Fall, Spring, and summer semesters. Students must apply for graduation to earn their degree or certificate. Applications are due by September 6 for spring/summer graduates and by February 14 for fall graduates.

AVC 26-27 CATALOG: [ACADEMIC POLICIES](#)

INFORMATION and RESOURCES

Tutoring Assistance	Career Center	AVC Student Health Services
Transfer Center	Office of Students with Disabilities	Palmdale Center
Basic Needs	Financial Aid	Counseling Division