

Certificate: Metrology Sciences for Aerospace Manufacturing 24-25



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. For more information, visit the [Career and Technical Education](#) division.

TO EARN A Certificate 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

Residency: Minimum of 12 units completed at AVC with a minimum of 9 of those units completed from the certificate/major. (credit earned by examination will not be included in these 12 units) Title 5, Section 54000: <http://ccr.oal.ca.gov>.

Certificate- Metrology Sciences for Aerospace Manufacturing [Total Units 10]

| Required Courses (10 units) | |
|---|---|
| MSAM110 - Fundamentals of Dimensional Metrology | 4 |
| MSAM115 - Metrology Systems and Application | 6 |

RECOMMENDED PATHWAY Certificate- Metrology Sciences for Aerospace Manufacturing

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, 12-15 units Recommended.
- This is a certificate only program, currently no associated degree offered.

| TERM 1 | |
|--------------------|-----------|
| Course | Units |
| MSAM 110 | 4 |
| MSAM 115 | 6 |
| Total 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)

AVC 24-25 CATALOG: [ACADEMIC POLICIES](#)

INFORMATION and RESOURCES

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