



Advanced Manufacturing - Locally Approved Certificates 21-22

Recommended Program Sequence

Computer Aided Manufacturing

Term I (Semester: Maximum 19 units, 15 units recommended)		Units
AM 145, Introduction to CAM I		3
AM 245, Introduction to CAM II		3
Total		6
Graduate		

• **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>

Requirements for Two or More Associate Degrees: To be eligible for multiple associate degrees, a student must have completed all of the graduation requirements for each degree.

Computer Aided Drafting in Solidworks

Term I (Semester: Maximum 19 units, 15 units recommended)		Units
AM 135B - 3D, Solid Modeling I using Solidworks		3
AM 235B - 3D, Solid Modeling II using Solidworks 3		3
Total		6
Graduate		

Transfer: Students planning to continue studies at a four-year college or university after AVC should visit the Transfer Resource Center or the Counseling Center and consult with a counselor as soon as possible to develop a plan of studies. Additional preparation for the major information on official transfer articulation agreements from AVC to many CSU/UC campuses can be found at the following Web site: www.assist.org

Computer Aided Drafting in CATIA/3DExperience

Term I (Semester: Maximum 19 units, 15 units recommended)		Units
AM 135A -3D, Solid Modeling I		3
AM 235A -3D, Solid Modeling II using CATIA/3DExperience		3
Total		6
Graduate		

The “**Catalog Rights Policy**” sets forth the criteria used for determining the degree requirements under which students may graduate. Please refer to the AVC Catalog for a detailed description or consult with a counselor.

Advisory: A condition of enrollment that a student is advised, but not required, to meet before or in conjunction with enrollment in a course or educational program.

Prerequisite: A condition of enrollment that a student is required to meet in order to demonstrate current readiness for enrollment in a course or educational program. Prerequisites are enforced and a student will be blocked from enrolling or involuntarily dropped after enrolling if the student does not meet the stated prerequisite. A student must complete a course prerequisite with a satisfactory grade of A, B, C or P (pass).

Computer Aided Drafting and Manufacturing

Term I (Semester: Maximum 19 units, 15 units recommended)		Units
AM 100, Geometric Dimensioning & Tolerancing (GD&T) 3		3
AM 105, Introduction to 2D CAD		3
AM 135A, Solid Modeling I using CATIA/3DExperience <i>or</i>		3
AM 135B, 3D Solid Modeling I using Solidworks		
AM 145, Introduction to CAM I		3
AM 235A, 3D Solid Modeling II using CATIA/3DExperience <i>or</i>		
AM 235B, 3D Solid Modeling II using Solidworks		3
AM 245, Introduction to CAM II		3
Total		18
Graduate		

Corequisite: A condition of enrollment consisting of a course that a student is required to simultaneously take in order to enroll in another course. Corequisites are enforced and a student will be blocked from enrolling if the student does not meet the stated corequisite.

Other Requirements:

- Minimum grade of “C” required on each course
- Refer to catalog or online website for course listings and descriptions
- Maximum of 6 pass/no-pass units accepted for Certificates