



Certificate - Industrial Manufacturing Technician Apprenticeship 20-21

Recommended Program Sequence

All courses with a + sign indicate a pre-requisite or co-requisite

PROGRAM CURRENTLY UNDER REVISION. Please check schedules for current offerings

Industrial Manufacturing: Term 1		Units	Industrial Manufacturing: Term 3		Units
IMTA 110, Industrial Manufacturing Technician Apprentice I		6	IMTA 255, Transition to Trainer: Your Role as a Journey Worker		0.5
IMTA 112, Mathematics for the Machine Trades		2			
Total:		8	Total:		0.5
Industrial Manufacturing: Term 2		Units	Entry Level Industrial manufacturing technicians operate industrial production related equipment, work with manufacturing related tools, and perform work processes related to a wide variety of manufacturing settings. Industrial manufacturing technician apprentices will learn to set up, operate, monitor, and control production equipment.		
IMTA 210, Industrial Manufacturing Technician Apprentice II		6			
IMTA 212+, Communications for Apprentices		2			
Total:		8			
<p>They will also help improve manufacturing processes and schedules to meet customer requirements. This apprenticeship training program combines on-the-job learning with related instruction in a classroom to prepare apprentices for journey level work after they complete the program. Condition of Enrollment: Be a registered Industrial Manufacturing Technician Apprentice with the California Division of Apprenticeship Standards. (At present, this status in the Antelope Valley can only be achieved by being an employee of BYD Coach & Bus in Lancaster and recommended for apprenticeship through a testing process by the Sheet Metal, Air, Rail, and Transportation [SMART] Workers' Local 105/ BYD Joint Training Committee, with which AVC has an MOU.)</p> <p style="text-align: center;"><i>Verify: published schedules or Contact the Division for scheduled offerings</i></p> <p style="text-align: center;">Take Summer classes if needed to complete the program in a timely manner.</p> <p>The state requires all students to have a Comprehensive Educational Plan. Make a counseling appointment as soon as enrollment is established on any term. Come by the Counseling Center or call. Online Counseling is available: https://www.avc.edu/student-services/counseling</p>					

Certificate Required Courses:	Units
IMTA 110+, Industrial Manufacturing Technician Apprentice I <i>Pre-requisite or Condition of Enrollment: Registered IMT apprentice with the Division of Apprenticeship Standards</i>	6
IMTA 210, Industrial Manufacturing Technician Apprentice II	6
IMTA 112, Mathematics for the Machine Trades	2
IMTA 212+, Communications for Apprentices <i>Pre-requisite: Completion of IMTA 110</i>	2
IMTA 255+, Transition to Trainer: Your Role as a Journey Worker	0.5
Units Required for the Certificate:	16.5

Other Requirements:

- Minimum grade of "C" required on each course
- Maximum of 12 pass/no-pass units accepted for the Degree, 6 units for a cert.
- Refer to catalog or online website for course listings and descriptions

Electives: The remaining number of units (up to a minimum of 60) are considered electives. Any course that has already been counted toward (1) the general education requirements, or (2) the major, cannot be used as an elective. Any course with a designation of "AVC" at the end of a course description can be used as an

Grade Point Average Requirement: An overall grade point average of 2.0 ("C" average) is required.

• **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>

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

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).

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 co-requisite.

Paid on-the-job training is a requirement of all registered apprenticeship programs, both state and federal. (Our program is registered with both the State of California and the U.S. Department of Labor.) Employment and union affiliation at BYD offers apprentices the required 2,736 hours of on-the-job training to complete the IMT Apprenticeship program.