

**ASSOCIATE OF SCIENCE, INDUSTRIAL MAINTENANCE MECHANIC TECHNOLOGY** THIS COURSE OF STUDY PREPARES STUDENTS FOR ENTRY-LEVEL POSITIONS IN INDUSTRY AND SERVICE OCCUPATIONS REQUIRING SKILLS IN INDUSTRIAL MAINTENANCE MECHANICS. THIS PROGRAM IS BASED ON NATIONALLY RECOGNIZED INDUSTRY STANDARDS.

### **Associate of Science**

Major Core Requirements

IMMT 60- Fundamentals of Industrial Maintenance Mechanics

IMMT 62- Oxyfuel Cutting

IMMT 64- Craft-Related Quantitative Skills

IMMT 66- Construction Drawings

IMMT 68- Gaskets, Packing, Pumps, Drivers, Valves, and Lubrication

IMMT 69- Material Handling, Hand Rigging, Mobile and Support Equipment

IMMT 70- Basic Layout

IMMT 71- Introduction to Piping

IMMT 73- Identify, Install, and Maintain Valves

IMMT 74- Introduction to Bearings

IMMT 75- Introduction to Steam Systems

IMMT 76- Distillation Towers and Vessels

IMMT 77- Heaters, Furnaces, Heat Exchangers, Cooling Towers, and Fin Fans

ELCT 70A- Electrical Safety and Hand bending

ELCT 70B- Fasteners and Electrical Theory

ELCT 70C- Electrical Test Equipment, NEC, Raceways, Boxes, Fittings & Conductors

ELCT 70D- Introduction to Electrical Blue prints and Residential and Commercial Wiring

ELCT 70E- Electrical Level One Performance Testing

Minimum Units Required in Major: 22

\*General Education Requirements: 27

\*Electives : 11

Total Units required for A.S. : 60

\*Please see the inside panel for general education requirements & suggested elective courses.

## **Career & Technical Education (CTE)**

### **Workforce and Economic Development Department**



Skilled Industrial Maintenance Mechanics are in demand in the High Desert area

*Live, Learn & Earn Locally*

This program has been funded in part by the Trade Adjustment Community College & Career Training (TAACCCT) Grant implemented by the U.S. Department of Labor. Barstow Community College received \$1,155,132 as a sub-recipient of a regional grant. This project is an equal opportunity employer/program with auxiliary aids and services that are available upon request to individuals with disabilities.

## **Barstow Community College**

**Career & Technical Education**

### **Associates Degree**

### **Industrial Maintenance Mechanic Technology**

**\*Certificate Program also available**



### **Main Campus**

2700 Barstow Rd  
Barstow, CA 92311

### **CTE**

1501 State St  
Barstow, CA 92311

[voiced@barstow.edu](mailto:voiced@barstow.edu)

**(760) 252-2411 ext. 6799**

## About BCC Career & Technical Education

Barstow Community College offers Associate Degrees and/or Certificates for the following Vocational programs:

- Accounting
- Administration of Justice
- Automotive / Diesel Technology
- Business
- Business Information Systems
- Child Development
- Cosmetology
- Industrial Maintenance Mechanic Technology
- Industrial Maintenance - Electrical and Instrumentation
- Supply Chain Management
- Management
- Photography
- Welding

### Student Success Steps:

STEP 1: Apply to Barstow Community College

STEP 2: Apply for FAFSA or DREAM Act

STEP 3: Orientation

STEP 4: Assessment

STEP 5: Meet with an Advisor

STEP 6: Enroll in Classes

## General Education Requirements

<b>Natural Sciences - Complete one course</b> ASTR 1, 1L, BIOL 1, 2, 4, 5, 8, 10, 10L, 11; <b>CHEM 1</b> , GEOG 1L-5, OCEA 1, PHSC 1, 2	<b>3 Units</b>
<b>Social and Behavior Sciences - Complete one course</b> ADJU1, 8, ANTH 1, 4, ARCH 1, 5, 10, BADM 1, 2, 5; <b>ECON 1, 2, 5</b> , ETHN 1, 4; GEOG 2, HIST1A, 1B, 2A,2B, 3-5, 7, 8A, 8B, 12, 50, POLI 1, 2, 3, PSYC 1-6, 11, 12, 14, 15, 33, SOCI 1-3, 8, 12, 14, 15	<b>3 Units</b>
<b>PE activity courses or ATHL courses</b> 1 - 3 Units from the following: <b>1 unit from any PE activity course</b> or ATHL course. AHLT 51, 63, 64 or valid/current American Heart and Safety Institute CPR and ARC or AHS First AID card. <b>HEAL 2</b> , PELC 1, 2, 3	<b>2-4 Units</b>
<b>American Institutions - Complete one course</b> <b>POLI 1</b> , HIST 2A, 2B, 4	<b>3 Units</b>
<b>Communication - Complete one course</b> <b>SPCH 1</b> , 3	<b>3 Units</b>
<b>English</b> ENGL 1A	<b>3 Units</b>
<b>Mathematics</b> MATH 55, 1-3, 4ABC, 5	<b>3 Units</b>
<b>Orientation</b> <b>ORIE 1</b> or PSYC 5(May be waived with official transcript transferring 15+ semester units.	<b>3 Units</b>

## **Recommended** General Education & Elective Courses

WELD 50 - Oxyacetylene Welding & Cutting	3 Units
WELD 51 - Shielded Metal Arc Weld & Cut	3 Units
CSIS 1 - COMPUTER CONCEPTS	4 Units
<b>Recommended General Education Requirements are in bold</b>	

### Projected Course Offerings

<u>Fall Even years</u>	<u>Fall Odd years</u>
IMMT 70 IMMT 71	IMMT 60 IMMT 62
IMMT 73 IMMT 74	IMMT 64 IMMT 66
IMMT 75 IMMT 80A	IMMT 68 IMMT 69
IMMT 80B IMMT 80C	IMMT 70 IMMT 71
IMMT 80D IMMT 80E	IMMT 73 IMMT 74
IMMT 80F	IMMT 75 IMMT 76
	IMMT 77
<u>Spring Even years</u>	<u>Spring Odd years</u>
ELCT 70A ELCT 70B	IMMT 60 IMMT 62
ELCT 70C ELCT 70D	IMMT 64 IMMT 66
ELCT 70E IMMT 60-69	IMMT 68 IMMT 69
	IMMT 76 IMMT 77
	BCTT 54

### Please contact us for more information

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### Phone

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Gainful Employment Information:

<http://www.barstow.edu/Programs-Study.html>