

Water Supply Technology

APPLIED TECHNOLOGY, TRANSPORTATION & CULINARY ARTS DIVISION

The Water Supply Technology Program is designed to provide students who are employed or interested in employment in water/wastewater occupations. The program provides technical classes in water conservation, water distribution, water treatment, wastewater collection, wastewater treatment, back low and cross connection control. Now offering Online Courses!

Dean: Vanessa Thomas
Faculty Chair: Melita Caldwell-Betties, MPA



We offer one day test preparation courses in Water Distribution and Water Treatment on Saturdays prior to the state certification exams. These courses can be used for Continuing Education Units or review classes prior to exam. For details see courses SWT 010, 011, 012, 020, 021, and 025 at www.valleycollege.edu

Using a five salary survey the median annual salary projections for a Water and Wastewater Technology Operator are as follows:
Two years before earning a degree: \$51,591
Two years after earning a degree: \$66,727
Five years after earning a degree: \$76,434



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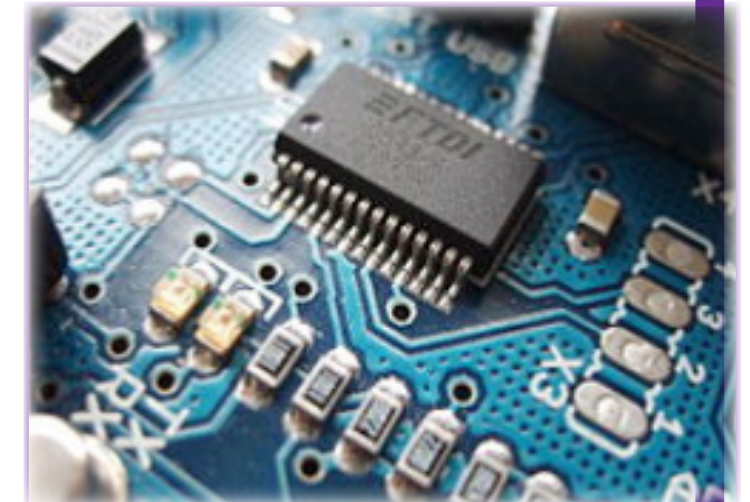
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Electricity/Electronics/ Technical Calculations

APPLIED TECHNOLOGY, TRANSPORTATION & CULINARY ARTS DIVISION

The Electricity/Electronics curriculum is designed to provide entry-level job training in this broad and expanding field. These classes lead to trainee positions in maintenance, installation, field service, networking, and apprenticeship in the area of specialization.

Dean: Vanessa Thomas
Faculty Chair: Tarif Halabi



Earn an Electricity/Electronics Associate of Science

- Communication Engineering Technology
- Computer Engineering Technology
- Electric Power Technology
- Electronics Technology

Earn a Certificate in:

- Electronics Technology
- Communication Engineering Technology
- Computer Engineering Technology
- Electric Power Technology
- Avionics Technology
- General Electrician
- Green Technician
- Industrial Automation

Visit https://www.bls.gov/oes/2019/may/oes_40140.htm for up to date industry salaries.

Now offering Online Courses!



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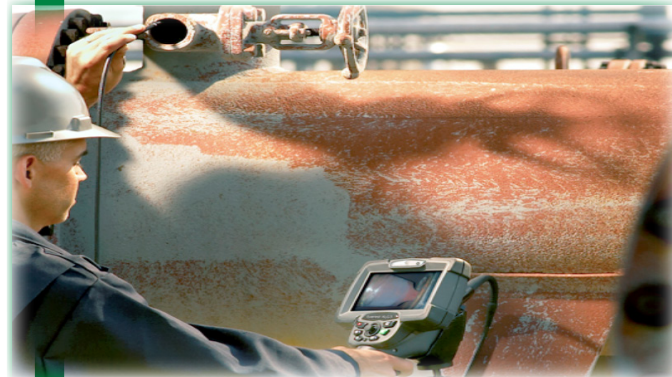
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Inspection Technology

APPLIED TECHNOLOGY, TRANSPORTATION & CULINARY ARTS DIVISION

Dean: Vanessa Thomas

Faculty Co-Chairs: Joshua Milligan & Bryce Cacho



Construction and building inspectors ensure that new construction, changes, or repairs comply with local and national building codes and ordinances, zoning regulations, and contract specifications.

Construction and building inspectors examine buildings, highways and streets, sewer and water systems, dams, bridges, and other structures.

They also inspect electrical; heating, ventilation, air conditioning, and refrigeration (HVACR); and plumbing systems. Concern for public safety and the desire to improve the quality of construction are expected to spur employment growth in the field.

Now offering Online Courses!



Earn an Associate of Science Degree or Certificate in Inspection Technology

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Machinist Technology

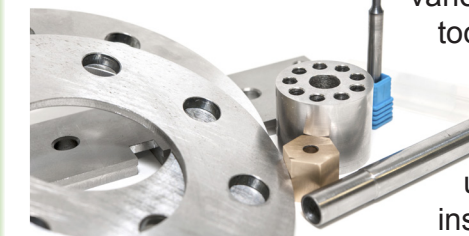
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Faculty Co-Chairs: Joshua Milligan & Bryce Cacho



The Machinist Technology program offers a broad training that prepares individuals for entry-level employment in the machine industry. Through a combination of classroom study and assigned lab activities, students develop trade skills and become familiar with production methods and standards common in the industry. Students will learn to operate a variety of conventional machine tools and Computer Numerical Control (CNC) machines, interpret industrial drawings/blueprints, and use precision measuring and inspection instruments.



Earn an Associate of Science Degree in:

- Machinist Technology
- Computer Numerical Control CAD & CAM
- Machinist Standard
- Tool and Die

Earn a Certificate in:

- Machinist Standard
- Machine Technology
- Computer Numerical Control: CAD/CAM
- Tool and Die
- Computerized Numerical Control (CNC)
- Basic Machine Operator
- Basic Operations Computerized Numerical Control (CNC)

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Culinary Arts

APPLIED TECHNOLOGY, TRANSPORTATION & CULINARY ARTS DIVISION

Dean: Vanessa Thomas
Faculty Chair: Chef Stacy Meyer, M.A.



Discover your Career in Culinary Arts

The Culinary Arts Degree/Certificate is designed for students who are interested in entering middle-management positions within the restaurant/hospitality industry. Now offering Online Courses!



The Culinary Arts curriculum prepares students for careers in culinary arts, food services, and other hospitality career fields. Hospitality is the second largest employing industry in the state of California and the United States. Successful completion of the vocational certificates qualifies students for certification and membership in the American School Food Service Association.

Earn a Degree in Culinary Arts:

- Professional Baking and Management

Earn a Certificate in:

- Culinary Arts
- Food Preparation Certificate
- Food Service Certificate
- Baking
- Baking Business
- Restaurant Service

For the Associate degree, students must complete all requirements for the certificate with a grade of C or better plus the general breath requirements for the Associate of Arts Degree (Minimum total of 60 units).

The annual median wage for Restaurant and Food Services and Management workers with a degree in California is projected to be: two years before earning a degree \$21,594 two years after earning a degree \$29,678, and five years after earning a degree \$29,737.

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Diesel Technology

APPLIED TECHNOLOGY, TRANSPORTATION & CULINARY ARTS DIVISION

Dean: Vanessa Thomas
Faculty Chair: Berchman (Kenny) Melancon

The Heavy/Medium Duty Diesel Truck Technology (Diesel) program offers students high technology training skills that may be utilized for immediate employment after certificate completion.

The Department has one of the best training facilities in the Inland Empire. Students will receive training in various subjects including brake suspension, computer controlled engines and electrical and heavy-duty maintenance. Now offering Online Courses!



Earn a Associate of Arts Degree or certificate in Heavy/Medium Duty Diesel Truck Technology.

- Diesel Engine and Fuel Injection Technology

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Automotive Technology

APPLIED TECHNOLOGY, TRANSPORTATION & CULINARY ARTS DIVISION

This degree/certificate is designed to prepare students for entry-level work as Automotive Technicians working in areas such as new car preps, engine performance diagnosis, automotive maintenance, and automotive service.

Dean: Vanessa Thomas
Faculty Chair: Berchman (Kenny) Melancon



Earn an Associate Degree or a Certificate in:

- Advanced Automotive Collision Repair and Refinishing
- Automatic and Manual Transmission
- Basic Automotive Collision and Repair and Refinishing
- Engine Performance
- Wheel Alignment and Brakes
- Automotive Technician
- * Street Rod Construction



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Welding Technology

APPLIED TECHNOLOGY, TRANSPORTATION & CULINARY ARTS DIVISION

This certificate is designed to prepare students for the American Welding Society (AWS) and/or International Conference of Building Officials (ICBO) Welding Inspector examination. Now offering Online Courses!

Dean: Vanessa Thomas
Faculty Co-Chairs: Joshua Milligan
& Bryce Cacho



Earn an Associate Degree in

- Welding Technology

Earn a Certificate in:

- Shielded Metal Arc Welding (SMAW)
- Welding Inspection Technology
- Flux Cored Arc Welding (FCAW)
- Gas Metal Arc Welding (GMAW)
- Gas Tungsten Arc Welding (GTAW)
- Pipe Welding

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The Welding Technology program prepares men and woman for employment in welding occupations. Courses are held in three well-equipped welding labs. Upon successful completion of the program, a student will be able to weld with SMAW, FCAW (Flux Core Arc Welding), GMAW (Gas Metal Arc Welding), GTAW (Gas Tungsten Arc Welding), OAW and OFC in all positions with a variety of metals and alloys. The student will be able to certify in one or more of the following codes: API, AWS and ASME depending on the individual skills. Official testing site for the American Welding Society (AWS) and Los Angeles City Certification Site.

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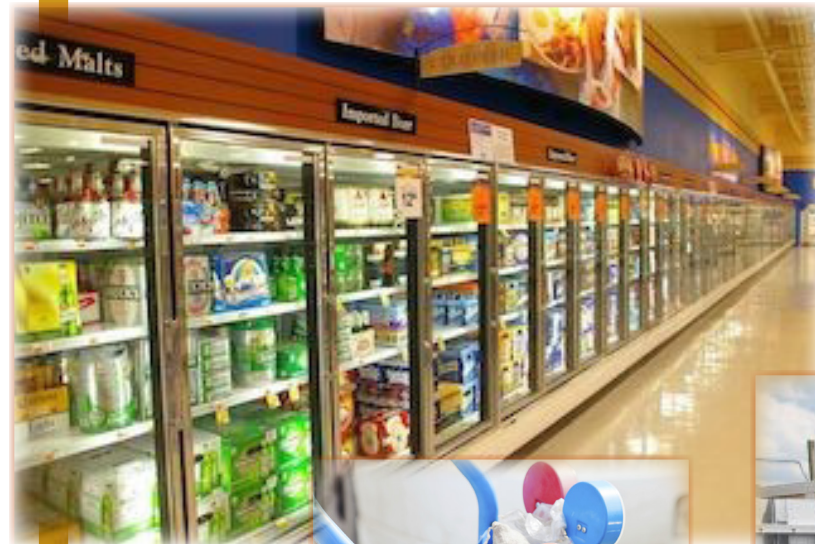


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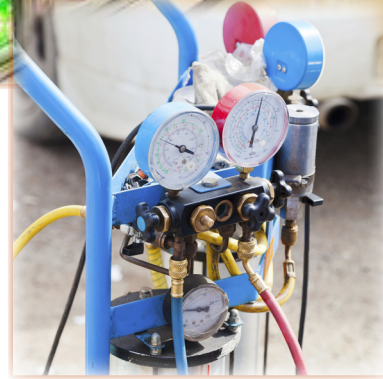
Heating, Ventilation, Air Conditioning & Refrigeration

APPLIED TECHNOLOGY, TRANSPORTATION & CULINARY ARTS DIVISION

Dean: Vanessa Thomas
Faculty Chair: Tarif Halabi



This certificate is designed to prepare students with the necessary knowledge and skills to obtain entry-level employment in the field of heating, ventilation, air conditioning and refrigeration, installing, maintaining, and repairing such systems. Now offering Online Courses!



Earn an Associate of Science Degree in Heating, Ventilation, Air Conditioning and Refrigeration

Earn a Certificate in:

- Heating, Ventilation, Air Conditioning & Refrigeration
- Refrigeration Service Engineer Society (RSES)
- Refrigeration Service Engineer Society

Due to the need to increase energy efficiencies of this equipment and incorporating building automatic network and programing, the employment opportunities in this field are expected to increase during the next decade. Now offering Online Courses!

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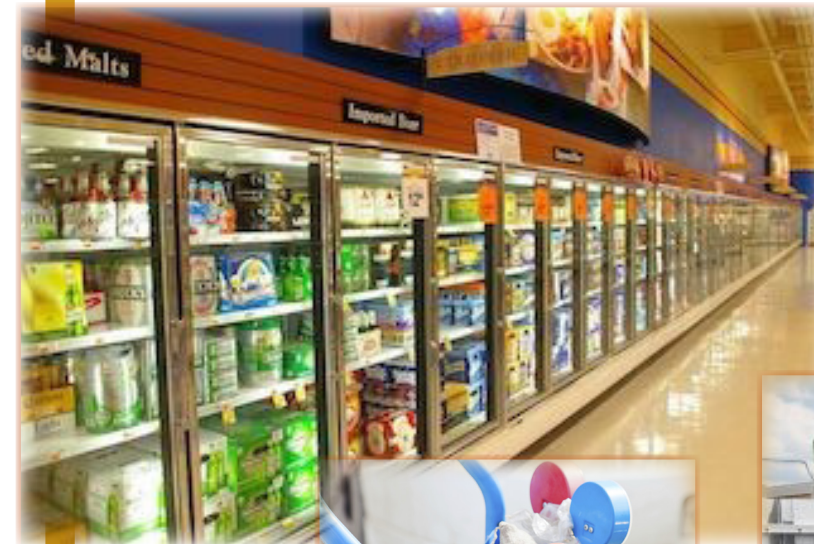
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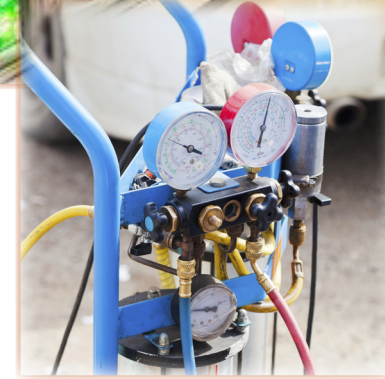
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