

# MODESTO TECHNICAL COLLEGE

1300 North 9<sup>th</sup> Street, Modesto CA 95350

## CATALOG Where You Learn to Earn

CATALOG EFFECTIVE 01/01/2021 through 12/31/2021

Telephone (209) 524 -7037

Fax (209) 524-6724

[www.modestotechcollege.com](http://www.modestotechcollege.com)

## **MISSION STATEMENT**

Modesto Technical College was founded to meet the training needs of employers and individuals. Employer needs played the major role in the formulation of curriculum and course content.

The institution provides technical training programs to individuals wishing to enter the job market.

The institution develops and delivers training programs that upgrade job skills for those currently employed.

We strive to provide industry-validated education and training within a positive and supportive environment.

Training is delivered with a focus on hands-on activities.

We provide affordable training and strive to serve the local community.

We want to help our students change their lives for the better.

### **Philosophy of Training**

The needs and individual characteristics of the trainee determined teaching methods, course length, and learning pace. The training program is designed to prepare the student for employment in the shortest time possible. To achieve this goal, course content is very structured and training includes job experience where practical.

The institution maintains excellence in the classroom, laboratory, and equipment as well as in curricula, staff, and faculty. The institution provides quality vocational education for all persons regardless of race, creed, color, sex, or age.

### **A BRIEF HISTORY OF MODESTO TECHNICAL COLLEGE**

Modesto Technical College began providing training classes in 1995. There was a demonstrated need for an Automotive Training program in the Modesto area. The original location was one block to the West.

Over the next several years, funding agencies and employers voiced a need for training in additional areas. Building Maintenance was developed as a training area. Originally, the emphasis was on Facility/Building Maintenance. HVAC, electrical, plumbing, as well as other skills related to facility maintenance. As the school became known to the local industries, there were requests to add the industrial maintenance skills training to the program. Over a period of several years, the College acquired the equipment needed

to provide the skills training in the industrial areas. Today Modesto Technical College is recognized as having an excellent training program in Industrial Maintenance Technology. The College has included Stainless Steel Purge welding in the Industrial Maintenance program since it's inception. A complete Certified and Production Welding program was added to the College's training programs at the request of several manufacturers.

The College out grew the original site and relocated to 1300 N. 9<sup>th</sup> Street Suites A, D and C.

### APPROVAL DISCLOSURE STATEMENT

Modesto Technical College is located at 1300 North 9<sup>th</sup> Street Suite D, Modesto, CA 95350 the college was granted institutional approval from the Bureau for Private Postsecondary Education pursuant to California Education Code Section 94780(a) & 94800(a). The Bureau's approval means that the institution and it's operation comply with the minimum state standards established under the law for occupational instruction by private postsecondary institutions.

**Approval to operate means compliance with minimum state standards and does not imply any endorsement or recommendation by the state or bureau.** Institutional approval must be reappraised every three to five years and is subject to continuing review. Modesto Technical College is a private institution and is approved to operate by the Bureau for Private Postsecondary Education. Modesto Technical College is currently approved through May 1, 2017.

Approved courses currently offered on campus are:

GENERAL OFFICE	490	CLOCK HOURS
AUTO MECHANICS I	576	CLOCK HOURS
AUTO MECHANICS II	744	CLOCK HOURS
AUTO MECHANICS III	904	CLOCK HOURS
ELECTRICIAN	384	CLOCK HOURS
PLC INSTRUMENTATION TECHNICIAN	384	CLOCK HOURS
INDUSTRIAL MAINTENANCE MECHANIC	384	CLOCK HOURS
INDUSTRIAL MAINTENANCE TECHNICIAN I	800	CLOCK HOURS
INDUSTRIAL MAINTENANCE TECHNICIAN II	1152	CLOCK HOURS
INDUSTRIAL MAINTENANCE TECHNICIAN III	1344	CLOCK HOURS
CERTIFIED AND PRODUCTION WELDING I	480	CLOCK HOURS
CERTIFIED AND PRODUCTION WELDING II	720	CLOCK HOURS
CERTIFIED AND PRODUCTION WELDING III	960	CLOCK HOURS

Instruction is in residence with facility occupancy level accommodating one hundred eighty students at any one time. Work stations equipped with modern equipment representative of that found in the field can accommodate (180) students in the training

programs. The student/instructor ratio in lecture classes is no more than 25:1 while the lab/shop classes have a student/instructor ratio of no more than 15:1.

Training is open/entry, open/exit to allow flexible start dates and to facilitate job placement. Classes start every four or eight weeks.

A Diploma is awarded for successful completion of the total course of enrollment.

Prospective enrollees are encouraged to visit the school and to discuss personal and occupational plans with school personnel prior to enrolling or signing enrollment agreements. This school currently does not have available sponsored programs, government or otherwise, to provide grants or to pay for portions of tuition and fees.

As a prospective student, you are encouraged to review this catalog prior to signing an enrollment agreement. You are also encouraged to review the School Performance Fact Sheet, which must be provided to you prior to signing an enrollment agreement.

Any questions a student may have regarding this catalog that have not been satisfactorily answered by the institution may be directed to the:

Bureau for Private Postsecondary Education at:

1747 N. Market Blvd. Suite 225 Sacramento, CA 95834

Mailing Address: P.O. Box 980818, West Sacramento, CA 95798-0818

[www.bppe.ca.gov](http://www.bppe.ca.gov)

Phone number: (916) 431-6959

Toll Free: (888) 370-7589

Fax Number: (916) 263-1897

## Grievance Policy

Persons seeking to resolve problems or complaints should first contact their immediate instructor. Requests for further action may be made to the Director, Larry Qualls. Unresolved complaints may be directed to the Bureau for Private Postsecondary Education.

A student or any member of the public may file a complaint about this institution with the Bureau for Private Postsecondary Education by contacting the address below or by completing a student complaint form which can be obtained on the Bureau's Internet Website: [www.bppe.ca.gov](http://www.bppe.ca.gov)

Bureau for Private Postsecondary Education

1747 N. Market Blvd. Suite 225 Sacramento, CA 95834  
Mailing Address: P.O. Box 980818, West Sacramento, CA 95798-0818

Phone number: (916) 431-6959  
Toll Free: (888) 370-7589  
Fax Number: (916) 263-1897

All information in the content of this school catalog is current and correct and is so certified as true by Larry Qualls, Director.

Signature

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Larry Qualls  
Director

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State of California

The Student Tuition Recovery Fund (STRF) was established by the Legislature to protect any California resident who attends a private postsecondary institution from losing money if you prepaid tuition and sufferect a financial loss as a result of the school closing, failing to live up to its enrollment agreement, or refusing to pay a court judgment. It is a state requirement that a student who pays his or her tuition is required to pay a state-imposed assessment for the Student Tuition Recovery Fund.

Student may be eligible for STRF, if they are a "California resident<sup>n</sup>" as described above or if they are enrolled in a "residency program<sup>n</sup>". "Residency Program<sup>n</sup>" means an educational program as defined in section 94837 of the Code at an approved institution of which some portion of the instruction occurs as direct instruction, pursuant to 5,CCR 76000(g). Therefore, students who are temporarily residing in California for the sole purpose of pursuing an education, specifically those who hold student visas, are eligible for the STRF if they are enrolled in a residency program and have a social security number or taxpayer identification number.

Students who are displaced by a school closure have two years to file for a STRF claim if they were notified of the school closure and their rights to the STRF, or four years from the date of school closure if the student was not notified of the closure and their rights to the STRF. If a judgment is obtained you must file a STRF application within two years of the final judgment. It is important that you keep copies of the enrollment agreement, financial aid papers, receipts or other information that documents the monies paid to the school. Questions regarding the STRF may be directed to:

The Bureau for Private Postsecondary Education  
1747 N. Market Blvd. Suite 225  
Sacramento, CA 95834

(916) 431-6959

### STRF Disclosure

You must pay the state-imposed assessment for the Student Tuition Recovery Fund (STRF) if all of the following applies to you:

1. You are a student in an educational program, who is a California resident, or are enrolled in a residency program, and prepay all or part of your tuition either by cash, guaranteed student loans, or personal loans, and
2. Your total charges are not paid by any third-party payer such as an employer, government program or other payer unless you have a separate agreement to repay the third party.

You are not eligible for protection from the STRF and you are not required to pay the STRF assessment, if either of the following applies:

1. You are not a California resident, or are not enrolled in a residency program, or
2. Your total charges are paid by a third party, such as an employer, government program or other payer, and you have no separate agreement to repay the third party.

The State of California created the Student Tuition Recovery Fund (STRF) to relieve or mitigate economic losses suffered by students in educational programs who are California residents, or are enrolled in a residency programs attending certain schools regulated by the Bureau for Private Postsecondary and Vocational Education.

You may be eligible for STRF if you are a California resident or are enrolled in a residency program, prepaid tuition, paid the STRF assessment, and suffered an economic loss as a result of any of the following:

1. The school closed before the course of instruction was completed.
2. The school's failure to pay refunds or charges on behalf of a student to a third party for license fees or any other purpose, or to provide equipment or materials for which a charge was collected within 180 days before the closure of the school.
3. The school's failure to pay or reimburse loan proceeds under a federally guaranteed student loan program as required by law or to pay or reimburse proceeds received by the school prior to closure in excess of tuition and other costs.
4. There was a material failure to comply with the Act or this Division within 30 days before the school closed or, if the material

failure began earlier than 30 days prior to closure, the period determined by the Bureau.

5. An inability after diligent efforts to prosecute, prove, and collect on a judgment against the institution for a violation of the Act.

However, no claim can be paid to any student without a social security account number or a taxpayer identification number.

#### **CANCELLATION POLICY**

In addition to any other right of recession, the student shall have the right to cancel the enrollment agreement and obtain a refund of tuition charges paid through attendance at the first class session, or the seventh business day after enrollment, whichever is later.

If a student terminates his training program after the initial seven day cancellation period, the institution will refund any unearned tuition on a **pro-rata basis**. The refund for unearned tuition is calculated by dividing the total class hours into the total tuition. This gives the hourly charge for the tuition that is earned. The hourly tuition rate is then multiplied by the total hours attended. The total tuition earned is then subtracted from the total tuition that was prepaid. The tuition that was not earned will be refunded to the student or the funding agency if there was a third party responsible for the tuition payment. **The student is advised and cautioned that if the tuition was paid with borrowed funds, the student will still be liable to the lender of those funds for repayment. It is advised that the student return any refunds to the lending source to reduce any financial liability.**

For a course of instruction that includes any equipment or other goods and services included in the enrollment agreement, the student shall have the right to cancel the enrollment agreement and obtain a refund of the charges for equipment or services paid for, through attendance at the first class session, or the seventh business day after enrollment, whichever is later.

#### **Cancellation**

A student may terminate enrollment in person or by mailing such notice properly addressed with the postage prepaid. When mailed, the effective date of cancellation is the date postmarked. The school will make any refunds due within 30 days after the institution receives notice of cancellation.

The written notice of cancellation need not take a particular form and, however expressed, is effective if it indicates the student's desire not to be bound by the agreement. A notice of Cancellation form is included in your enrollment agreement.

Cancellation shall occur when you have given written Notice of Cancellation at the address of the School shown on the top of the front page of the enrollment agreement. You can do this by mail, hand delivery, or fax. The written Notice of Cancellation, if sent by mail, is effective when deposited in the mail properly addressed with postage prepaid.

If the student cancels an enrollment agreement, the student shall have no liability, and the institution shall refund any consideration paid by the student, the student is obligated to pay only for unreturned books and equipment; and educational services rendered.

If the School has given you any equipment, including books or other materials, you shall return them to the School within 30 days following the date of your Notice of Cancellation. If you fail to return this equipment, including books, or other materials, in good condition within the 30-day period, the School may deduct its documented cost for the equipment from any refund that may be due to you. Once you pay for the equipment, it is yours to keep without further obligation.

If you cancel the enrollment agreement, the school will refund you any money that you paid, less any deduction for equipment not returned in good condition, within 30 days after your notice of cancellation is received.

### Refund Policy for Tuition

#### Withdrawals and Refunds

You have the right to withdraw from a course of instruction at any time. If you withdraw from the course of instruction after the period allowed for cancellation of the Agreement, which is until midnight of the seventh business day following the first class you attended, the school will remit a refund, within thirty (30) days following your withdrawal. You are obligated to pay only for educational services rendered and books and supplies used. The refund shall be the amount you paid for instruction minus the instruction hours you have completed minus the books and supplies used. Modesto Technical College calculates refunds on **pro-rata basis**.

$$\begin{aligned} \text{Tuition} + \text{STRF assessment fee} + \text{books \& supplies} &= \text{Total Program cost} \\ \text{Tuition cost} + \text{program hours} &= \text{Program fee per hour} \\ \text{Per hour program fee} \times \text{hours attended} &= \text{Program charge without books \& supplies \& STRF} \\ \text{Total program cost} - \text{Program Charge} &= \text{Refund} \end{aligned}$$

**IF THE AMOUNT THAT YOU HAVE PAID IS MORE THAN THE AMOUNT THAT YOU OWE FOR THE TIME YOU ATTENDED, THEN A REFUND WILL BE MADE WITHIN 30 DAYS OF WITHDRAWAL. IF THE AMOUNT THAT YOU OWE IS MORE THAN THE AMOUNT THAT YOU HAVE ALREADY PAID, THEN YOU WILL HAVE TO MAKE ARRANGEMENTS TO PAY IT.**

### Determination of the Withdrawal Date

The student's withdrawal is the last date of academic attendance as determined by the institution from its attendance records. The withdrawal date for a student who does not return from an approved leave of absence is set retroactively to the last date of attendance, as determined by the institution's attendance records.

### Refund Procedure

Refunds are issued through the School Director when a student withdraws from all classes. The issuance of refunds is not contingent upon notification of withdrawal by the student. All refunds are mailed within 30 days of the student's withdrawal from the school. For students receiving funding from a third party, tuition refunds are first applied toward repayment of third party funding.

### Books

Once issued, books are the property of the student.

### Equipment

If the institution once issued the equipment it becomes property of the student and does not have to be returned even if the student withdraws from the training program.

## FACILITIES

Modesto Technical College is located at 1300 North 9<sup>th</sup> Street Suites A, D, and C. Modesto, CA 95350. The school occupies approximately 19,500 square feet of shops, classrooms, offices, and sanitary facilities.

Work stations equipped with modern equipment representative of that found in the field can accommodate (180) students in the training programs. The student/instructor ratio in lecture classes is no more than 25:1 while the lab/shop classes have a student/instructor ratio of no more than 15:1.

For the Automotive program this includes: four hydraulic hoists, four brake lathes, Hunter computerized wheel alignment machine, four wheel hydraulic alignment rack, two wheel balancers, two tire machines, three automotive A/C recovery-charging stations, Snap On Emissions Analyzer (Smog Machine), dynamometer for emissions testing, Sun Engine Analyzer, six Snap On scanners, Snap On Modus digital analyzer, three Sun battery/charging system test units, numerous A/C gauge sets, hand tools and diagnostic tools.

For the Maintenance program this includes: three large chiller units, reach-in and walk-in freezers and coolers, ice machines, furnaces, HVAC units, recovery equipment, charging stations, 40 Ton blast freezer, conveyors, large electric motors, pumps, valves, industrial

air compressors, industrial refrigeration compressors, 20 PLC training stations, drill presses, hydraulic and pneumatic systems and assorted hand and specialty tools.

For the Welding program this includes: 12 TIG welding stations, 9 MIG welding stations, 6 ARC welding stations, 6 ft box and pan brake, 5 ft power roller, large vertical band saw, 2 large horizontal band saws, drill press, hydraulic press, metal shear, numerous grinders, hand tools and protective equipment.

#### **LIBRARY**

Each Department maintains a library consisting of: professional publications, reference books, training videos, and study material relating to the training area. Students may borrow the library material from the office staff.

#### **SAFETY**

This institution, the facilities it occupies, and the equipment it utilizes fully comply with any and all Federal, State, and Local ordinances and regulations including those requirements relating to fire safety, building safety, and health.

#### **CATALOG**

Modesto Technical College updates their catalog December 31 of every year. Each prospective student will be given a school catalog when signing the enrollment agreement. A school catalog is also available on the front counter along with current fact sheets and at school website [www.modestotechcollege.com](http://www.modestotechcollege.com)

#### **OWNERS**

Modesto Technical College is a DbA of Workforce Training, Inc.

#### **ADMINISTRATIVE OFFICIALS**

Larry Qualls ..... School Director  
Michelle Qualls ..... Assistant Director

## REQUIREMENTS FOR ADMISSION

Requirements for admission for all students include:

1. (a) Be a high school graduate, or possess a GED certificate, or its equivalent.

**OR**

(b) successfully take and pass an ability to benefit examination approved by the United States Department of Education.

2. Provide information required on the institution's admissions application.
3. Tour the school with a school representative.
4. Arrange for tuition payment(s) and sign an enrollment agreement before starting training
5. An interview with the Director.
6. Physical and mental ability to profit from training.
7. Be at least (18) eighteen years of age.
8. Be able to meet tuition requirements or be referred by an appropriate funding agency.
9. Agree to follow all rules and regulations pertaining to conduct, academic progress, and attendance.
10. This institution does not accept transfer of credits earned at other institutions or through challenge examinations and achievement tests. This institution does not offer Federal Financial Aid to students.
11. This institution has not entered into any articulation agreement with any other institution, college or university.
12. This institution does not award any credit for prior experiential learning.

## TRANSFER OF CREDITS

**NOTICE CONCERNING TRANSFERABILITY OF CREDITS AND CREDENTIALS EARNED AT OUR INSTITUTION.** The transferability of credits you earn at Modesto Technical College is at the complete discretion of an institution to which you may wish to transfer. Acceptance of the Diploma you earn in any training program offered at Modesto Technical College is also at the complete discretion of the institution to which you may seek to transfer.

If the credits or diploma that you earn at this institution are not accepted at the institution to which you seek to transfer, you may be required to repeat some or all of your course work at the institution. For this reason you should make certain that your enrollment at this institution will meet your educational goals. This may include contacting an institution to which you may seek to transfer after attending Modesto Technical College to determine if your credits or diploma will transfer.

### **FINANCIAL ASSISTANCE**

The Admissions representative will discuss financial options with students prior to enrolling into Modesto Technical College. Modesto Technical College does not offer Pell Grants or Federally insured student loans. There are several WIA funding agencies that might be able to assist with the funding of your tuition. The student can request contact information from front office for each funding agency. The student is responsible for contacting potential funding agencies. Modesto Technical College is approved to provide vocational training to qualified Veterans. Each Veteran must apply with the United States Department of Veterans Affairs prior to enrollment at Modesto Technical College.

The institution does not participate in Title IV Federal or State financial aid programs.

If a student obtains a loan to pay for the training at this institution, the student has the responsibility to repay the full amount of the loan plus interest. If the student is entitled to a refund, the student may apply the refund towards the total amount he borrowed.

This institution does not offer any federal or state financial aid programs. This institution does not gather or ask for any consumer information from students.

If a student has received federal student financial aid program funds, the student is entitled to a refund of monies not paid from federal student financial aid program funds.

This institution is approved through the California Eligible Training Provider List through EDD The Department of Veterans Affairs, funding from both is accepted..

This institution does not have a pending petition in bankruptcy, is not operating as a debtor in possession, has not filed a petition within the past five years, or has had a petition in bankruptcy filed against it within the past five years that resulted in reorganization under Chapter 11 of the United States Bankruptcy Code(11 U.S.C. Sec. 1101 et seq.).

This institution is not accredited by an accrediting agency recognized by the United States Department of Education.

### REQUIREMENTS FOR GRADUATION

A Diploma or Certificate is awarded to those who have completed course requirements with a cumulative grade average of 70% or better, attended a minimum of 90% of scheduled class meetings, and have no financial obligations to the institution.

### GRADING POLICY

Grading is based on objective measurement of the understanding of classroom theory and performance on required work in skill training. Grades are weighted 30% theory and 70% skill training. Grades are given at the end of each phase.

The grading schedule for the theory portion of a phase follows.

A = Excellent	90%-100%
B = Good	80%-89%
C = Average	70%-79%
D = Below Average	60%-69%
F = Failing	59% or lower
I*= Incomplete	

The grading procedure for the shop work portion of a phase is an evaluation of the quality and quantity of a student's work compared against industry standards. Student work is recorded on requirement sheets for each phase. The grading schedule for the skill-training portion of a phase is as follows:

A = Excellent	90%-100% completion of requirements
B = Good	80%-89% completion of requirements
C = Average	70%-79% completion of requirements
D = Below Average	60%-69% completion of requirements
F = Failing	59% or lower completion of requirements
I*= Incomplete	

\* An incomplete grade may be given for incomplete class assignments and/or examinations only with the permission of the instructor. The I grade will be converted to an F grade if the incomplete is not made up by a date specified by the instructor.

### **Make up Work**

Students may make-up absences from class. However, students will be required to make up all assignments, examinations or other work missed as the result of any excused or unexcused absence. Upon returning to school, the student must immediately arrange to meet with the instructor regarding missed requirements. The instructor will specify make up assignments and due dates. The instructor may assign additional outside assignments if deemed necessary.

### **CLOCK HOUR TO SEMESTER CREDIT HOUR CONVERSION**

This institution utilizes the following standard in converting clock hours to semester credit hours. Each 15 hours of lecture will earn one semester credit hour of credit. Each 45 hours of shop practice will earn one semester credit hour of credit. Each 30 hours of laboratory will earn one semester credit hour of credit.

### **ACADEMIC PROGRESS**

Satisfactory progress must be maintained with a minimum of a "C" average or 70% or above. When a student receives less than an average grade at the mid-point of a particular phase, he will be placed on academic probation. For third party payers the counselor will be notified and the student will receive tutoring or additional shop work after normal class hours. In the event that the student receives a progress report for the phase with less than average grades, the counselor, student, and director will decide on the continuation of training. If during the next month, the student's average grade does not improve, training will be interrupted.

Re-admittance will be approved only after evidence is shown to the Director's satisfaction that conditions which caused the interruption for unsatisfactory progress have been rectified.

### **PROGRESS REPORTS**

Progress reports are issued each month. Students as well as their referring counselors are kept aware of: progress in class, attendance, problem areas, and areas of strength.

### **ATTENDANCE POLICY**

Due to the nature of the training offered, a strict attendance policy is required. Employers are very concerned about tardiness and absenteeism while in training and on the job. In order to help develop good work habits, training is conducted under on-the-job conditions and the following rules are adhered to:

1. Absence will be considered as excused under the following circumstances: illness, death or birth in the immediate family,

and other valid reasons substantiated in writing, and at the discretion of the school Director. All other absences will be considered unexcused.

2. Tardiness is a disruption of a good learning environment and is discouraged. Tardiness without legitimate reason on three occasions in one month will be considered as unexcused absences.
3. Class cuts will be considered as unexcused absences.
4. Interruption for Unsatisfactory Attendance: Students with three or more unexcused absences in any phase will receive written notification of attendance probation for a period of one month. Unexcused absences during this probationary period will cause interruption of the student's training.
5. Leave of Absence: Written requests for leaves of absence will be considered and such leaves may be granted to the student at the discretion of the school director.
6. Before a diploma can be awarded all, a minimum of 90% of scheduled class hours must be attended. The student may be required to make up excessive absences after regular class hours.
7. Continued poor attendance will result in termination from training.

#### CONDUCT

Students are required to conduct themselves in a manner required on the job. This includes but is not limited to:

1. Proper grooming and personal hygiene.
2. Proper work uniform and shoes.
3. Horseplay or unsafe work habits are not permitted.
4. Students are required to work to industry standards and are allowed to take breaks only at designated times.
5. Intoxication or drug usage on school grounds is cause for immediate termination from training.
6. Theft of school property or that of others will result in police investigation and termination from training.
7. A serious attitude toward training is required.
8. Smoking is not allowed in school buildings. Smoking must be at least 20 feet from any building.

## LEAVE OF ABSENCE POLICY

A Leave of Absence may be granted for but not limited to the following reasons: change in shift at place of employment, death of immediate family member, military reactivation or medical emergency. Leaves of Absences may be granted upon request to and approval by the Campus Director. Leaves of Absences may be approved for up to sixteen weeks in length. Any class that was interrupted by the Leave must be repeated in its entirety.

## PROBATION

Before students are placed on probation, they receive advisement regarding the concerns of the school. The next step is a formal probationary letter stating the reasons for the action. The probationary letter will state the length of probation and corrective actions that are required. The intent of probation is to make everyone aware that a situation exists that needs to be addressed by the school, the student, and/or the referring counselor. A student may be placed on probation for: poor attendance, lack of progress in training, poor attitude, or any condition that jeopardizes their training program.

## STUDENT SERVICES

Academic advising is provided to all students. Records are confidential and are treated accordingly. Instructors are responsible for academic advising. The Director is responsible for personal and financial advising. In cases where school personnel are not able to meet the needs of the student, referral is made to an appropriate agency. The school maintains a list of local agencies that are available to assist student needs that are beyond the scope of the institution's responsibility. Tutoring is provided for students requesting assistance. Tutoring is to be arranged through the Student Services Department.

## HOUSING

The institution does not have dormitory facilities. There are apartment houses located within 3-5 miles of the campus. The rents are as low as \$600.00 per month. There are also rental homes available in the surrounding neighborhoods. Rentals for houses start at around \$750.00 per month. Advertisements for apartments and houses can be found in the local paper the Modesto Bee.

The institution is not responsible for providing housing but will assist the student with helping him or her to find a residence while in training.

## TRANSPORTATION

Major traffic streets are next to the school for those who drive.

## JOB PLACEMENT ASSISTANCE

Modesto Technical College provides job placement assistance. The funding agency that refers the student for training is primarily responsible for placement activities. Modesto Technical College does assist in the preparation of the student's resume. The College does post job openings on a bulletin board for the student's information. The institution cannot guarantee job placement.

## CLASS HOURS

Day classes meet from 7:30 AM to 3:30 PM Monday through Thursday.

## STARTING DATES

The Director may allow entry at his discretion at any time. The institution maintains an open entrance policy.

## CALENDAR

The school operates year round. Holidays observed are:

INDEPENDENCE DAY	LABOR DAY
MEMORIAL DAY	THANKSGIVING DAY AND THE DAY AFTER
DECEMBER 26-JANUARY 6	PRESIDENTS' DAY

## CREDIT FOR PRIOR TRAINING

Modesto Technical College does not grant credit for previous training or for work experience. Veterans may have prior training credited towards some of the required courses if the Veteran requests it and the prior training meets or exceeds the standards of Modesto Technical College.

## RECORDS RETENTION - PRIVACY OF EDUCATIONAL RECORDS

The Family Educational Rights and Privacy Act of 1974 entitle all students to review their records, including grades, attendance and advising reports. The school must permit a student to examine such records within 45 days after the school receives a written request from the student. The school will also permit the student to obtain a copy of such records upon payment of a reproduction fee.

A student may request that the school amend his or her education records on the grounds that they are inaccurate, misleading or in violation of the student's rights or privacy. In the event the

school refuses to so amend the records, the student may, after complying with the Student Complaint Procedure, request a hearing. If the outcome of a hearing is unsatisfactory to the student, the student may submit an explanatory statement for inclusion in his or her education record. A student has the right to file a complaint with Family Policy Compliance, U.S. Department of Education, Washington, D.C. 20202-4605, concerning the school's alleged failure to comply with the Act. Student records are confidential and only such agencies or individuals authorized by law are allowed access without written permission of the student.

A student also has the right to file a complaint with the Bureau for Private Postsecondary Education; the complaint may be directed to the:

The Bureau for Private Postsecondary and Vocational Education  
1747 N. Market Blvd. Suite 225 Sacramento, CA 95834  
Telephone (916)431-6959.

Students may access their file by scheduling an appointment, Monday through Friday 9am-5pm.

Academic records are maintained permanently. Transcripts are released only after receipt of a signed, written request from the student.

#### **ENGLISH AS A SECOND LANGUAGE**

This institution does not provide instruction in English-as-a-Second Language. Students must have 9<sup>th</sup> grade English language proficiency level and show proof of either High School Diploma or GED or proof of ability to benefit test scores with passing score of Verbal 200.

#### **VISA STUDENTS**

The institution does not admit non citizen students from other countries.

#### **OFFICE HOURS**

The business office is open from 8:00 AM to 5:00 PM Monday through Friday.

complying with the Student Complaint Procedure, request a hearing. If the outcome of a hearing is unsatisfactory to the student, the student may submit an explanatory statement for inclusion in his or her education record. A student has the right to file a complaint with Family Policy Compliance, U.S. Department of Education, Washington, D.C. 20202-4605, concerning the school's alleged failure to comply with the Act. Student records are confidential and only such agencies or individuals authorized by law are allowed access without written permission of the student.

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Telephone (916)431-6959.

Students may access their file by scheduling an appointment, Monday through Friday 9am-5pm.

Academic records are maintained permanently. Transcripts are released only after receipt of a signed, written request from the student.

#### **ENGLISH AS A SECOND LANGUAGE**

This institution does not provide instruction in English-as-a-Second Language. Students must have 9<sup>th</sup> grade English language proficiency level and show proof of either High School Diploma or GED or proof of ability to benefit test scores with passing score of Verbal 200.

#### **VISA STUDENTS**

The institution does not admit non citizen students from other countries.

#### **OFFICE HOURS**

The business office is open from 8:00 AM to 5:00 PM Monday through Friday.

## BUSINESS DEPARTMENT

### CAREER OBJECTIVE AVAILABLE

1. General Office
2. Clerical
3. File Clerk
4. Cashier

### CLASSES OFFERED                      CLOCK HOURS

BE	1	Typing	60
BE	2	Ten Key	30
BE	3	Office Procedures	20
BE	4	Business English	15
<b>BE</b>	5	Business Math	15
BE	6	Windows Applications	30
<b>BE</b>	7	Internet Skills	20
BE	8	Bookkeeping	30
BE	9	Graphics	44

### GENERAL OFFICE

#### PURPOSE OF COURSE

This course has been designed to develop skills needed for entry level positions as a general office clerk. Students receive instruction in: typing, filing, ten key, office procedures, business math, business English, bookkeeping, internet skills, desk top publishing, graphics, personal grooming, work habits, and other areas that enable them to function in an office setting. Goal: 30 Words Per Minute.

#### COURSE LENGTH

Course of instruction to cover 264 clock hours of full time study, six hours per day, four days per week, for eleven (11) weeks.

#### COURSE OUTLINE

- BE 1 Typing
- BE 2 Ten Key
- BE 3 Office Procedures
- BE** 4 Business English
- BE** 5 Business Math
- BE** 6 Windows Applications
- BE 7 Internet Skills
- BE 8 Bookkeeping
- BE 9 Graphics

**BUSINESS DEPARTMENT DESCRIPTION OF CLASSES**

**BE 1 TYPING**

**60 HOURS**

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Basic Typing	30 WPM
Machine Parts	Home Key Practice
Horizontal Spacing	Vertical Spacing
Punctuation	Letters
Word Division	Basic Tabulation
Basic Correspondence	Numbers

**BE 2 TEN KEY**

**30 HOURS**

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Touch Addition	Percentages
Touch Subtraction	Discounts
Multiplication	Invoicing
Division	Production Ten Key
Mixed Operations	Ten Key - PC

**BE 3 OFFICE PROCEDURES**

**20 HOURS**

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Telephone Techniques	Office Machines
Filing and Invoicing	Receptionist Skills
Billing Office Forms	Shipping and Receiving

**BE 4 BUSINESS ENGLISH**

**15 HOURS**

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Spelling	Grammar
Sentence Structure	Vocabulary
Punctuation	Use of Dictionary
Business Terms	Oral Communication

**BE 5 BUSINESS MATH**

**15 HOURS**

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Addition	Discounts
Subtraction	Credits and Debits
Multiplication	Sales Tax
Division	Banking
Fractions	Percentages

**BE 6 WINDOWS APPLICATIONS**

**30 HOURS**

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Windows 10	Excel
Publisher	Access
Word	Power Point

**BE 7 INTERNET SKILLS****20 HOURS**

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Internet Terminology  
Browsers  
Homepage

Search Engines  
Downloads  
Web Page Design

**BE 8 BOOKKEEPING****30 HOURS**

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Accounts Receivable  
Payroll  
Income Tax

Accounts Payable  
Sales Tax  
Quarterly Taxes

**BE 9 GRAPHICS****44 HOURS**

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Business Cards  
Certificates  
Scanning Photographs  
Storage Media  
Transfers

Greeting Cards  
Calendars  
Clip Art  
Banners  
Presses

## AUTOMOTIVE MECHANICS

### CAREER OBJECTIVES AVAILABLE

1. General Automotive Mechanics
2. Tune Up Mechanics
3. Brake Mechanics
4. Alignment Technician
5. Brake & Lamp Inspector

### CLASSES OFFERED

### CLOCK HOURS

	<b>Lecture</b>	<b>Shop</b>	<b>Tot</b>
AM 1 Service	15	55	70
AM 2 Brakes	30	110	140
AM 3 Steering	30	110	140
AM 4 Tune Up	45	95	140
AM 5 Electrical	45	95	140
AM 6 Certification	120	170	290
AM 7 Service Writer	30	110	140

### AUTO MECHANICS I

#### PURPOSE OF COURSE

This course has been designed to develop skills needed for entry level positions as a light duty auto mechanic. The successful graduate may be employable as an automotive technician in tune up shops, tire shops, dealerships, service centers, manufacturing plants and self-employment.

Students receive instruction and training in: brakes, electrical systems, air conditioning, steering & suspension, engine performance, head light aiming and lighting systems, fuel systems, the computer control system, and service procedures.

Included is: EPA 609 Automotive A/C certification. Also included are: The ASE entry level certifications in: Brakes, Steering & Suspension, Automotive A/C, and Automotive Electricity.

#### COURSE OF LENGTH

Course of instruction to cover 576 clock hours of full time study. Six hours per day, four days per week, for twenty weeks.

#### COURSE OUTLINE

- AM 1 Service
- AM 2 Brakes
- AM 3 Steering
- AM 4 Tune Up

## AUTO MECHANICS II

### PURPOSE OF COURSE

This course has been designed to develop skills needed for entry level positions as a light duty auto technician. The successful graduate may be employable as a technician in: tune up shops, tire shops, dealerships, automotive service centers, trucking companies, agriculture equipment service centers, manufacturing plants and self-employment.

Students receive instruction and training in: brakes, electrical systems, air conditioning, steering & suspension, engine performance, head light aiming and lighting systems, fuel systems, computer control system, service writing, and service procedures.

Included is: EPA 609 Automotive A/C certification. Also included are: ASE entry level certifications in: Brakes, Steering & Suspension, Automotive A/C, Automotive Electricity, and Engine Performance.

The student is also prepared to take the State Brake and Lamp Exam to become a State Certified Brake and Lamp Inspector.

### COURSE LENGTH

Course of instruction to cover 744 clock hours of full time study. Six hours per day, four days per week, for twenty six weeks.

### COURSE OUTLINE

AM 1 Service  
AM 2 Brakes  
AM 3 Steering  
AM 4 Tune Up  
AM 5 Electrical  
AM 6 Certification

## AUTO MECHANICS III

### PURPOSE OF COURSE

This course has been designed to develop skills needed for entry level positions as an auto technician. Students receive instruction and training in: brakes, electrical systems, air conditioning, steering & suspension, engine performance, head light aiming and lighting systems, fuel systems, computer control systems, service writing, and service procedures.

Included is: EPA 609 Automotive A/C certification. Also included are: ASE entry level certifications in: Brakes, Steering & Suspension,

Automotive A/C, Automotive Electricity, and Engine Performance. Service Writing skills are developed.

The student is also prepared to take the State Brake and Lamp Exam to become a State Certified Brake and Lamp Inspector.

The successful graduate may be employable as a mechanic in tune up shops, tire shops, automotive dealerships, automotive service centers, trucking companies, agriculture equipment service centers, and self-employment.

**LENGTH OF COURSE**

Course of instruction to cover 904 clock hours of full time study. Six hours per day, four days per week, for thirty-three weeks.

**COURSE OUTLINE**

- AM 1 Service
- AM 2 Brakes
- AM 3 Steering
- AM 4 Tune Up
- AM 6 Certification
- AM 7 Service Writer

**AUTOMOTIVE DEPARTMENT DESCRIPTION OF COURSE**

**AM 1 SERVICE**

**70 HOURS**

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Safety	Automotive
Inspection Procedures	Wheel Balance
Lubrication Service	Tools
Cooling System Service	Welding
Tire Repair	Headlight Aiming
Parts and Nomenclature	Fasteners

**AM 2 BRAKES**

**140 HOURS**

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Safety	Hydraulics
Disc and Drum Brakes	Universal Joints
Rear Axles	Constant Velocity Joints
Clutch Service	Transmission Service

**AM 3 STEERING**

**140 HOURS**

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Safety	Suspension Systems
Tires and Wheels	Suspension Service
Steering Geometry	Front End Alignment
Wheel Balance	Air Conditioning
Tools	Automotive English

**AM 4 TUNE UP****140 HOURS**

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Safety	Fuel Systems
Inspection Procedures	Ignition Systems
Basic Electricity	Electrical Systems
Tune Up Procedures	Trouble Shooting
Parts and Nomenclature	Automotive English
Emissions Systems	Computer Controls

**AM 5 BENCH MECHANIC****140 HOURS**

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Safety	Rebuilding Starters
Electrical Wiring	Rebuilding Alternators
Lamps, Lights and Signals	Rebuilding Carburetors
Installation of Alarms and Radios	Customer Service

**AM 6 CERTIFICATION****290 HOURS**

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Safety	Smog Lab
MACS A/C Certification	Basic Clean Air Course
A-6 Electrical Certification	2011 Update
Advanced Clean Air Course	Research
A-8 Engine Performance Cert.	Brake Inspector Prep.
Smog Exam Prep.	Lamp Inspector Prep.
Hunter Alignment Cert.	L-1 Advanced Diagnostic Specialist

## INDUSTRIAL MAINTENANCE TECHNOLOGY

### CAREER OBJECTIVES AVAILABLE

1. Maintenance Technician
2. Maintenance Mechanic
3. PLC Instrumentation Technician
4. Industrial Electrician
5. Refrigeration Technician
6. Machine Operator/Maintenance
7. Boiler Operator

### CLASSES OFFERED

### CLOCK HOURS

	Lecture	Lab	Total
IMT 1 Residential HVAC	64	64	128
IMT 2 Residential Electricity	12	52	64
IMT 3 Commercial Refrigeration	64	64	128
IMT 4 Certification: 608 & 410	24		24
IMT SA Commercial Electricity	8	32	40
IMT SB Commercial Electricity	12	52	64
IMT 6 PLC's	64	64	128
IMT 7 Motors and Controls	16	48	64
IMT 8 Refrigeration 1 RETA Book 1	94	34	128
IMT 9 Stainless Steel TIG Welding	8	56	64
IMT 10 RETA CARO Prep.	32		32
IMT 11 Boilers	12	20	32
IMT 12 Instrumentation and P&ID	24	40	64
IMT 13 Industrial Electricity	12	52	64
IMT 14 Industrial Applications	12	52	64
IMT 15 Maintenance Tech Lab	12	52	64
IMT 16 Pneumatics and Hydraulics	12	52	64
IMT 17 Industrial Refrigeration	32	64	96
IMT 18 Boiler Operator	20	76	96

### ELECTRICIAN

#### PURPOSE OF COURSE

This course has been designed to develop skills needed for entry level positions as: electricians, maintenance personnel and machine operators.

The successful graduate may be employable in: shopping centers, manufacturing plants, hospitals, schools, office buildings, apartment complexes, manufacturing plants, self employment, or with an electrical contractor

Students receive instruction and training in: safety, residential electricity, basic commercial electricity, industrial electricity, motors and controls, PLCs, and basic shop skills.

#### **COURSE LENGTH**

Course of instruction to cover 384 clock hours of full time study. Six hours per day, 4 days per week, for sixteen weeks.

#### **COURSE OUTLINE**

IMT 2 Residential Electricity  
IMT 5B Commercial Electricity  
IMT 13 Industrial Electricity

IMT 6 PLCs  
IMT 7 Motors and Controls

#### **PLC INSTRUMENTATION Technician**

#### **PURPOSE OF COURSE**

This course has been designed to develop skills needed for entry level positions as: electricians, instrumentation technicians, PLC programmers, maintenance personnel and machine operators.

The successful graduate may be employable in: shopping centers, manufacturing plants, hospitals, schools, office buildings, manufacturing plants, and in self employment.

Students receive instruction and training in: Safety, motors and controls, PLC programming, industrial electricity, instrumentation trouble shooting, testing and calibration of sensors, panel building, and basic shop skills,

#### **COURSE LENGTH**

Course of instruction to cover 384 clock hours of full time study. Six hours per day, 4 days per week, for sixteen weeks.

#### **COURSE OUTLINE**

IMT 6 PLCs  
IMT 7 Motors and Controls

IMT 12 Instrumentation and P&ID  
IMT 13 Industrial Electricity  
IMT 14 Industrial Applications

## INDUSTRIAL MAINTENANCE MECHANIC

### PURPOSE OF COURSE

This course has been designed to develop skills needed for entry level positions as: electricians, heating and air conditioning mechanics, commercial refrigeration mechanics, appliance servicemen, maintenance personnel and machine operators.

The successful graduate may be employable in: shopping centers, manufacturing plants, hospitals, schools, office buildings, apartment complexes, manufacturing plants, and in self employment.

Students receive instruction and training in: safety, residential electricity, basic commercial electricity, residential hvac, commercial refrigeration, appliance service and basic shop skills.

Students prepare for and receive the EPA Section 608 Universal Technician Certification and the Esco 410 Refrigerant Certification.

### COURSE LENGTH

Course of instruction to cover 384 clock hours of full time study. Six hours per day, 4 days per week, for sixteen weeks.

### COURSE OUTLINE

IMT 1 Residential HVAC

IMT 2 Residential Electricity

IMT 3 Commercial Refrigeration

IMT 4 Certification: Universal 608 & 410 Safety

IMT SA Commercial Electricity

## INDUSTRIAL MAINTENANCE TECHNICIAN I

### PURPOSE OF COURSE

This course has been designed to develop skills needed for entry level positions as: electricians, heating and air conditioning mechanics, commercial refrigeration mechanics or industrial refrigeration technicians, industrial maintenance mechanics, industrial maintenance technicians, plc technicians, other maintenance personnel, and machine operators.

The successful graduate may be employable in: shopping centers, hospitals, schools, office buildings, apartment complexes, manufacturing plants, cold storage warehouses, dairy processing plants, wineries, cheese plants, poultry processing plants, food processing plants, and in self employment.

Students receive instruction and training in: safety, residential electricity, basic commercial electricity, residential hvac, commercial refrigeration, industrial refrigeration, programable logic controllers, motors and controls, stainless steel purge welding and basic shop skills.

Students prepare for and receive the EPA Section 608 Universal Technician Certification for HVAC and the Esco 410 Refrigerant Certification, RETA Caro Certification Examination, and AWS Stainless Steel Sanitary Grade Purge Welding on Stainless Tubing.

### COURSE LENGTH

Course of instruction to cover 800 clock hours of full time study. Six hours per day, for 34 weeks.

### COURSE OUTLINE

- IMT 1 Residential HVAC
- IMT 2 Residential Electricity
  
- IMT 3 Commercial Refrigeration
- IMT 4 Certification: Universal 608,410 Safety
- IMT 5A Commercial Electricity
  
- IMT 6 PLC's
- IMT 7 Motors and Controls
  
- IMT 8 Industrial Refrigeration 1 RETA Book 1
- IMT 9 Stainless Steel Tig Welding
- IMT 10 RETA CARO Prep.

## INDUSTRIAL MAINTENANCE TECHNICIAN II

### PURPOSE OF COURSE

This course has been designed to develop skills needed for entry level positions as: electricians, heating and air conditioning mechanics, commercial refrigeration mechanics, industrial refrigeration technicians, industrial maintenance mechanics, industrial maintenance technicians, plc technicians, other maintenance personnel and machine operators.

The successful graduate may be employable in: shopping centers, hospitals, schools, office buildings, apartment complexes, manufacturing plants, cold storage warehouses, dairy processing plants, wineries, cheese plants, poultry processing plants, food processing plants, and in self employment.

Students receive instruction and training in: safety, residential electricity, basic commercial electricity, industrial electricity, residential hvac, commercial refrigeration, industrial refrigeration, programable logic controllers, motors and controls, stainless steel purge welding and basic shop skills.

Students prepare for and receive the EPA Section 608 Universal Technician Certification and the Esco 410 Refrigerant Certification, the RETA Caro Certification Examination and AWS Stainless Steel Sanitary Grade Purge Welding on Stainless Tubing.

### COURSE LENGTH

Course of instruction to cover 1152 clock hours of full time study. Six hours per day, for 48 weeks.

### COURSE OUTLINE

- IMT 1 Residential HVAC
- IMT 2 Residential Electricity
  
- IMT 3 Commercial Refrigeration
- IMT 4 Certification: Universal 608 & 410 Safety
- IMT 5A Commercial Electricity
  
- IMT 6 PLC's
- IMT 7 Motors and Controls
  
- IMT 8 Industrial Refrigeration 1 RETA Book 1
- IMT 9 Stainless Steel TIG Welding
- IMT 10 RETA CARO Prep.

- IMT 11 Boilers
- IMT 12 Instrumentation and P&ID
- IMT 13 Industrial Electricity
  
- IMT 14 Industrial Applications
- IMT 15 Maintenance Tech Lab
- IMT 16 Pneumatics and Hydraulics

### **MAINTENANCE TECHNICIAN III**

#### **PURPOSE OF COURSE**

This course has been designed to develop skills needed for entry level positions as: electricians, heating and air conditioning mechanics, commercial refrigeration mechanics, industrial refrigeration technicians, industrial maintenance mechanics, industrial maintenance technicians, plc technicians, other maintenance personnel, machine operators, and boiler operator.

The successful graduate may be employable in: shopping centers, hospitals, schools, office buildings, apartment complexes, manufacturing plants, cold storage warehouses, dairy processing plants, wineries, cheese plants, poultry processing plants, food processing plants, and in self employment.

Students receive instruction and training in: safety, residential electricity, basic commercial electricity, industrial electricity, residential hvac, commercial refrigeration, industrial refrigeration, programable logic controllers, motors and controls, hydraulics, pneumatics, boiler operation & safety, instrumentation & pid, stainless steel purge welding, industrial refrigeration chillers, flooded systems, freezers welding and basic shop skills.

Students prepare for the EPA Section 608 Universal Technician Certification and R-410 Certification, AWS Stainless Steel Sanitary Grade Certification, RETA Book I Industrial Refrigeration, RETA CARO Certification for Refrigeration Operator, and Boiler operator.

#### **COURSE LENGTH**

Course of instruction to cover 1344 clock hours of full time study. Six hours per day, for 56 weeks.

- IMT 1 Residential HVAC
- IMT 2 Residential Electricity
  
- IMT 3 Commercial Refrigeration
- IMT 4 Certification: Universal 608 & 410 Safety
- IMT SA Commercial Electricity

- IMT 6 PLC's
- IMT 7 Motors and Controls
  
- IMT 8 Industrial Refrigeration 1 RETA Book 1
- IMT 9 Stainless Steel TIG Welding
  
- IMT 10 RETA CARO Prep.
- IMT 11 Boilers
- IMT 12 Instrumentation and P&ID
- IMT 13 Industrial Electricity
  
- IMT 14 Industrial Applications
- IMT 15 Maintenance Tech Lab
- IMT 16 Pneumatics and Hydraulics
  
- IMT 17 Industrial Refrigeration 2
- IMT 18 Boiler Operator

**INDUSTRIAL MAINTENANCE DEPARTMENT DESCRIPTION OF COURSES**

**IMT 1 Residential HVAC                      128 HOURS**

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- |              |                       |
|--------------|-----------------------|
| Safety       | Trouble Shooting      |
| Refrigerants | Cleaning Coils        |
| Theory of AC | Replacing Motors      |
| Condensers   | Replacing Thermostats |
| Evaporators  | Repairing Leaks       |
| Compressors  | Recharging Systems    |
| Furnaces     | EPA Certification     |

**IMT 2 Residential Electricity                      64 HOURS**

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- |                             |                          |
|-----------------------------|--------------------------|
| Electrical Safety           | Lighting Circuits        |
| Basic Electricity           | Inductive Impedance      |
| Ohms'S Law                  | Heating Circuits         |
| Resistive Impedance         | Circuit Breakers         |
| Test Equipment              | Main Panel               |
| Conductors                  | Switches and Receptacles |
| Ground Fault Interruption   | Conduit Bending          |
| 120 volt circuits           | Motor Controllers        |
| 240 volt single Phase       | Relays                   |
| 240 volt three phase        | Motors                   |
| Trouble Shooting Electrical | Wiring Diagrams          |
| Faults                      | Ladder Diagrams          |

**IMT 3 Commercial Refrigeration 128 HOURS**

Safety	Trouble Shooting
Refrigerants	Cleaning Coils
Theory of AC	Replacing Motors
Condensers	Replacing Compressors
Evaporators	Replacing Thermostats
Compressors	Repairing Leaks
Control Circuits	Recharging Systems
Cold Cases	EPA Certification
Ice Makers	Walk Ins & Freezers

**IMT 4 Certification 24 HOURS**

EPA 608 Universal Technician Certification  
Refrigerant 410 Safety Certification

**IMT SA Commercial Electricity 40 HOURS**

Safety	Shop Processes
Trouble shooting	Tools and Use
Repair procedure	Schematics

**IMT SB Commercial Electricity 64 HOURS**

Safety	Shop Processes
Trouble shooting	Tools and Use
Repair procedure	Schematics
Conduit bending	Load centers
120 volt circuits	240 single & three phase

**IMT 6 PLC's 128 HOURS**

PLC and Electrical Safety	Electrical Principles and PLCs
Electrical Circuits and PLCs	Relay Ladder Logic (Diagrams)
History of PLCs	PLC Programming Logic
Rockwell Software	PLC Hardware
Input/Output Systems	Relays, Contactors, & Motors
Starters	Sensors and Switches
Programming & Peripheral	PLC Timers and Counters
Devices	Order of Events & Sequencing
Programming Rules	Logic Functions
Troubleshooting PLCs	Control Panel Building
VFDs Programming	Motor Control Center
VFDs Wiring & Troubleshooting	Ladder Diagrams
Switches and Sensors	Relay Logic
Pumping Systems	Conveyor Systems

**IMT 7 Motors and Controls****64 HOURS**

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Safety	Circuit Breakers
Limit Switches	Photo Eyes
Test Equipment	Proximity Switches
Conductors	Start & Stop Circuits
Ground Fault Interruption	Schematics
Motor Controllers	Ladder Diagrams
Trouble Shooting	Sonar Sensors
Pressure Sensors	Flow Sensors
Motor Construction	Motor Diagnostics
Motor Classification	Motor Repair

**IMT 8 Industrial Refrigeration 1 RETA BOOK 1 128 HOURS**

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Safety	Oil Draining
Fundamentals of Measurement	Adding Oil
Principles of Refrigeration	Valve Repair
Properties of Refrigerants	Adjustment of Super Heat
Gas Laws and the P/T Chart	Adjustment of Back Pressure
Compressors	Valves
Lubrication Systems	Pump Down Procedures
Evaporators	Leak Detection
Defrost Methods	Service of Filter Strainers
Condensers	Service of Core Filters
Purging	Trouble Shooting
Air Cooling	TXV & Flooded Evaporators
Liquid cooling	Two Stage and Cascade Systems

**IMT 9 Stainless Steel TIG Welding 64 HOURS**

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Safety	Lay Out and Fit Up
Equipment	Blueprint Reading
Selection of Filler	Stainless Steel Sheet
Shielding Gases	Stainless Steel Tubing
Machine Set-up	Production Welding
Welding Procedures	Certification

**IMT 10 RETA CARO Prep.****32 HOURS**

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Review of How to Test	Safety-Chapter 7 Book 4
Review of RETA Suggested Questions	MSDS How to Read
	On-Line RETA Practice Test

**IMT 11 Boiler Operator 1****32 HOURS**

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Boiler Safety	Thermodynamics
ASME Boiler Codes	Boiler Types-Steam & Hot Water
Heat Transfer	Boiler Applications
Combustion & Burners	Emissions
Boiler Room Accessories	Energy Savings
Steam Load Demand	Steam Traps

Operating Controls	Low Water Cutoff
Boiler Incidents	Boiler Management System
Boiler Wiring Schematics	Boiler Maintenance

**IMT 12 Instrumentation and P&ID 128 HOURS**

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Intro to Instrumentation	Process Variables
Direct Read Instruments	Bordon Tube Sensors

**IMT 13 Industrial Electricity 64 HOURS**

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Safety	Telephone Wiring
Basic Electricity	Circuit Breakers
Test Equipment	Main Panel
Conductors	Soft Panel
Ground Fault Interruption	120 Volt Circuits
Switches & Receptacles	220 Volt Single Phase
Light Fixtures & Circuits	220 Three Phase
Motor Controllers	480 Volt

**IMT 14 INDUSTRIAL APPLICATIONS 64 HOURS**

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Safety	Shop Processes
Trouble shooting	Tools and Use
Repair procedure	Schematics

**IMT 15 Maintenance Tech Lab 64 HOURS**

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Safety	Conveyor Systems
Fasteners	Shop Skills
Soldering	Hydraulics
Pneumatics	Gear Boxes
Pumps	Belts and Chains
Motor Service	Control Devices

**IMT 16 Pneumatics and Hydraulics 64 HOURS**

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Pneumatic Transmission of Energy	Positive Displacement Compressors
Pressure Safety Switch	Control of Energy/Pressure
Pressure Regulator	Safety Relief Valve
Sizing of Cylinders	Common Types of Cylinders
Directional Control Valves	Force
Limit Switches	Schematic Symbols
Service & Repair	Hoses & Tubing
	Maintenance & Trouble Shooting

**IMT 17 Industrial Refrigeration 2 96 HOURS**

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Safety	Condensers
Fundamentals of Measurement	Evaporators
Principles of Refrigeration	Purging
Gas Laws and the P/T Chart	Review
Lubrication Systems	Oil Draining
Lubricants	Adding Oil
Valve Repair	Adjustment of Back Pressure
Adjustment of Super Heat	Valves
Pump Down Procedures	Leak Detection
Service of Filter Strainers	Service of Core Filters

**IMT 18 Boiler Operator 96 Hours**

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Boiler Operator Safety	Thermodynamics 2
Applied Science	Applied Mechanics
Industrial Codes	Fuels and Combustion
Piping	Electro Technology
Electrical Calculations	Control Instrumentation
Operation & Maintenance	Feedwater Treatment
Pumps	Pressure Vessels
Steam Turbines	Gas Turbines
Cogeneration	

**CERTIFIED AND PRODUCTION WELDING**

**CAREER OBJECTIVES AVAILABLE**

1. Production Welder
2. Combination Welder
3. Sanitary Welder
4. Pipe Welder
5. TIG Welder
6. MIG Welder

**CLASSES OFFERED**

**CLOCK HOURS**

	<b>Lecture</b>	<b>Lab</b>	<b>Tot</b>
CPW 1 Metal Cutting	10	38	48
CPW 2 Layout and Blueprint	8	16	24
CPW 3 Shielded-Metal Arc Welding (ARC)	12	108	120
CPW 4 Gas-Metal Arc Welding (MIG)	8	96	104
CPW 5 Gas-Tungsten Arc Welding (TIG)	8	96	104
CPW 6 Flux-Core Arc Welding (FCAW) (innershield)	4	18	22
CPW 7 Pipe Welding	24	144	168
CPW 8 Advanced Welding Procedures	45	145	190
CPW 9 Production Welding	12	46	58
CPW 10 Production Welding	16	56	72
CPW 11 Production Welding	10	40	50

## CERTIFIED AND PRODUCTION WELDING I

### PURPOSE OF COURSE

This course has been designed to develop needed skills in: gas welding, brazing, flame cutting, plasma arc cutting, SMAW (arc) welding, GMAW (mig)welding, GTAW (tig)and FCAW (innershield) welding.

Blue print reading and shop drawing skills are developed. Layout and fit up skills are covered. Students are encouraged to qualify as A.W.S. Certified Welders in two (2) areas of their choice.

To assure job readiness, students are required to work on real projects to develop the skills that would be expected in a production shop.

### COURSE LENGTH

Course of instruction to cover 480 clock hours of full time study. Six hours per day, four days per week, for twenty weeks.

### COURSE OUTLINE

- CPW 1 Metal Cutting
- CPW 2 Layout and Blue Print
- CPW 3 Shielded-Metal Arc Welding (arc)
- CPW 4 Gas-Metal Arc Welding (mig)
- CPW 5 Gas-Tungsten Arc Welding (tig)
- CPW 6 Flux-Core Arc Welding (innershield)
- CPW 9 Production Welding

## CERTIFIED AND PRODUCTION WELDING II

### PURPOSE OF COURSE

This course has been designed to develop needed skills in: gas welding, brazing, flame cutting, plasma arc cutting, SMAW (arc) welding, GMAW (mig)welding, GTAW (tig)and FCAW (innershield) welding and Pipe Welding .

Blue print reading and shop drawing skills are developed. Layout and fit up skills are covered. Students are encouraged to qualify as A.W.S. Certified Welders in three (3) areas of their choice.

To assure job readiness, students are required to work on real projects to develop the skills that would be expected in a production shop.

### COURSE LENGTH

Course of instruction to cover 720 clock hours of full time study. Six hours per day, four days per week, for thirty weeks.

### COURSE OUTLINE

- CPW 1 Metal Cutting
- CPW 2 Layout and Blue Print
- CPW 3 Shielded-Metal Arc Welding (arc)
- CPW 4 Gas-Metal Arc Welding (mig)
- CPW 5 Gas-Tungsten Arc Welding (tig)
- CPW 6 Flux-Core Arc Welding (innershield)
- CPW 7 Pipe Welding
- CPW 9 Production Welding
- CPW 10 Production Welding

## CERTIFIED AND PRODUCTION WELDING III

### PURPOSE OF COURSE

This course has been designed to develop needed skills in: gas welding, brazing, flame cutting, plasma arc cutting, SMAW (arc) welding, GMAW (mig)welding, GTAW (tig)and FCAW (innershield) welding, Pipe Welding, Stainless Steel Mig, Aluminum Mig, and Structural Steel using Innershield and Dual-Shield.

Blue print reading and shop drawing skills are developed. Layout and fit up skills are covered. Students are encouraged to qualify as A.W.S. Certified Welders in four (4) areas of their choice.

To assure job readiness, students are required to work on real projects to develop the skills that would be expected in a production shop.

### COURSE LENGTH

Course of instruction to cover 960 clock hours of full time study. Six hours per day, four days per week, for forty weeks.

### COURSE OUTLINE

- CPW 1 Metal Cutting
- CPW 2 Layout and Blue Print
- CPW 3 Shielded-Metal Arc Welding (arc)
- CPW 4 Gas-Metal Arc Welding (mig)
- CPW 5 Gas-Tungsten Arc Welding (tig)
- CPW 6 Flux-Core Arc Welding (innershield)
- CPW 7 Pipe Welding
- CPW 8 Advanced Welding Procedures
- CPW 9 Production Welding
- CPW 10 Production Welding
- CPW 11 Production Welding

WELDING DEPARTMENT DESCRIPTION OF CLASSES

**CPW 1 METAL CUTTING**

**48 HOURS**

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Safety	Blue Print Reading
Equipment	Flame Cutting
Welding Symbols	Plasma Arc Cutting

**CPW 2 LAYOUT and BLUEPRINT**

**24 HOURS**

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Safety	Blueprint Reading
Welding Symbols	Lay Out and Fit Up
Types of Joints	Shop Drawing

**CPW 3 SMAW ARC WELDING**

**120 HOURS**

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Safety	Shop Drawing
Equipment	Filler Metals
Welding Procedures	Production Welding
Welding Symbols	Certification
All Position Welding	Blueprint Reading

**CPW 4 GMAW MIG WELDING**

**104 HOURS**

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Safety	Welding Mild Steel
Equipment	Shielding Gases
Welding Procedures	Short Arc Welding
Wire Selection	Spray Arc Welding
Blueprint Reading	Production Welding
Layout and Fit Up	Certification

**CPW 5 GTAW TIG**

**104 HOURS**

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Safety	Lay Out and Fit Up
Equipment	Blueprint Reading
Selection of Filler	Stainless Steel Sheet
Shielding Gases	Stainless Steel Tubing
Machine Set-up	Production Welding
Welding Procedures	Certification

**CPW 6 FCAW INNERSHEILD WELDING**

**22 HOURS**

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Safety	Machine Set-up
Equipment	Welding Procedures
Selection of Filler	Production Welding

**CPW 7 PIPE WELDING****168 HOURS**

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Safety	Machine Set-up
Equipment	Lay Out and Fit Up
Selection of Filler	Pre Pipe Procedures
Welding Procedures	Pipe Certification

**CPW 8 Advanced Welding Procedures****190 HOURS**

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Safety	Stainless Mig
Equipment	Aluminum Mig
Welding Procedures	Types of Structural Steel
Filler Selection	Dual Shield Flux Core
Blueprint Reading	Production Welding
Layout and Fit Up	Certification

**CPW 9 PRODUCTION WELDING****58 HOURS**

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Safety	Lay Out and Fit Up
Equipment	Blueprint Reading
Fabrication Techniques	Metal Finishing

**CPW 10 Production Welding****72 HOURS**

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Safety	Lay Out and Fit Up
Equipment	Blueprint Reading
Fabrication Techniques	Metal Finishing

**CPW 11 Production Welding****50 HOURS**

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Safety	Lay Out and Fit Up
Equipment	Blueprint Reading
Fabrication Techniques	Metal Finishing

## ADDENDUM A

### TOTAL CHARGES FOR EACH PROGRAM AND OCCUPATION CODE

PROGRAM NAME	CODE	TOTAL PRICE
GENERAL OFFICE	43-9061	\$ 7,500.00
AUTO MECHANICS I	49-3023	\$ 7,500.00
AUTO MECHANICS II	49-3023	\$12,330.00
AUTO MECHANICS III	49-3023	\$16,972.00
ELECTRICIAN	47-2111	\$ 7,500.00
PLC INSTRUMENTATION TECHNICIAN	47-3013	\$ 7,500.00
INDUSTRIAL MAINTENANCE MECHANIC	49-9021	\$ 7,500.00
INDUSTRIAL MAINTENANCE TECHNICIAN I	49-9041	\$12,945.00
INDUSTRIAL MAINTENANCE TECHNICIAN II	49-9041	\$16,972.00
INDUSTRIAL MAINTENANCE TECHNICIAN III	49-9041	\$19,972.00 \$
CERTIFIED AND PRODUCTION WELDING I	51-1011	\$7,500.00
CERTIFIED AND PRODUCTION WELDING II	51-1011	\$12,500.00
CERTIFIED AND PRODUCTION WELDING III	51-1011	\$19,500.00

The charges listed above are: Tuition, Fees, & Expenses for entire program. The six digit codes is the United States Department of Labor's Standard Occupational Classification codes. This is the code is the employment position in which we prepare graduates.

## ADDENDUM B

### ITEMIZED LIST OF TOTAL CHARGES FOR EACH PROGRAM

PROGRAM	TUITION	FEES	EXPENSES	TOTAL
GENERAL OFFICE	\$6,522.00	\$533.00	\$425.00	\$7,500.00
AUTO MECHANICS I	\$6,308.00	\$710.00	\$482.00	\$7,500.00
AUTO MECHANICS II	\$11,038.00	\$810.00	\$482.00	\$12,330.00
AUTO MECHANICS III	\$15,580.00	\$910.00	\$482.00	\$16,972.00
ELECTRICIAN	\$6,522.00	\$553.00	\$425.00	\$7,500.00
PLC INSTRUMENTATION TECHNICIAN	\$6,522.00	\$553.00	\$425.00	\$7,500.00
IND. MANT. MECHANIC	\$6,659.00	\$501.00	\$340.00	\$7,500.00
IND. MANT. TECHNICIAN I	\$10,619.00	\$1,791.00	\$535.00	\$12,945.00
IND. MANT. TECHNICIAN II	\$14,646.00	\$1,791.00	\$535.00	\$16,972.00
IND. MANT. TECHNICIAN III	\$17,646.00	\$1,791.00	\$535.00	\$19,972.00
CERT.& PROD. WELDING I	\$6,245.00	\$510.00	\$745.00	\$7,500.00
CERT.& PROD. WELDING II	\$10,950.00	\$610.00	\$940.00	\$12,500.00
CERT.& PROD. WELDING III	\$17,695.00	\$710.00	\$1,095.00	\$19,500.00

## ADDENDUM C

### Faculty

**Larry Qualls** - Industrial Electrical, PLC, Instrumentation & PID, Motors & Controls, Industrial Refrigeration RETA Book 1, RETA CARO Prep, Industrial Applications, 608 & 410 Prep class, Industrial Applications, Pneumatics and Hydraulics, Boilers. Larry Qualls has over twenty-five years experience in teaching as well as employment experience in the: refrigeration, welding, automotive and maintenance fields. Mr. Qualls has both a B.A. & M.A. Degree in Education from Fresno State University.

**Frank Castillo** - Residential Electricity, Commercial Electricity, Residential HVAC lecture and lab. Commercial Refrigeration lecture and lab. Frank Casitllo has over twenty-five years work experience in HVAC & Commercial Refrigeration. He has taught at MTC in the past for three years.

**Steve Selviera** - CPW I, CPW II, CPW III & Tech Welding. Steve has over twenty years welding experience and a fabrication plant and as an independent welding contractor.

**Randy Baker** - Auto I & Auto II. Randy has over twenty years experience in the Automotive industry. He has worked at dealerships & independent shops. He has provide in-house training at dealerships and independent shops. He has numerous certifications in Automotive. Randy has three years teaching at Vocational Colleges before coming to MTC.

**Frank Vara** - HVAC, Commercial Refrigeration, Residential Electricity, Commercial Electricity lecture and Lab. Frank has over twenty years experience in this field. Frank has been teaching at MTC for for over a year.

**Rick Brabo** - PLC, Residential Electricity, Commercial Electricity, Motor Controls, Fluid Power, and Instrumentation Lecture and Lab. Rick has over twenty years experience in these fields. Rick has three years teaching experience at MTC.