



2021

BULLETIN

WORK SKILLS

SPRING

tci.miracosta.edu



IT'S YOUR
TIME TO
THRIVE

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HOW TO APPLY FOR WORKFORCE TRAINING

The majority of our workforce training classes (identified by a ◊) require that a Student Interest Form and Student Application are completed in our online “Apricot” database prior to enrolling. A Medical Form is also required for Machinist, CNC Operations and Welding classes.

Start here www.tinyurl.com/TCIinterest by creating a Student Interest form (profile). Keep your password handy as you will need to log back into the system. Then follow the steps below:

1. Sign on using your username (email) and password at ctk.apricot.info
2. Click “MENU” in upper left corner of form
3. Click “Search Records”
4. Click “Student Interest Form”
5. Your name should appear in the middle of the page
6. Click your name
7. An All box will appear
8. Drag your mouse to the right of the Application and click “+”
9. Don’t forget to “Save Record” on the right side of page
10. Repeat steps for the Medical Form ONLY if you are taking Welding, Machinist Technology, or CNC Operations
11. Lastly, submit a photo ID in person or via email to tc@miracosta.edu.

Note: For our longer workforce training programs and/or outside funding sources, there may be additional forms and documents that are required.

Our programs under 50 hours will typically accept students ages 15 years or older. Please contact our office at 760.795.6820 prior to applying.

CERTIFICATE INFORMATION

For any program over 50 hours, students will have the opportunity to earn a Certificate of Accomplishment. If you are enrolled and successfully complete a program under 50 hours, we can issue a certificate for \$20.

REFUND POLICY

Refunds will be made up to five working days prior to your class start date. A \$25 cancellation fee will be retained for each refund. There are no refunds given once the class has begun, unless special permission has been granted by the program supervisor.

Email us at tc@miracosta.edu

FREE INFORMATION SESSIONS

▶ Child Visitation Monitor

- Wed, 2/3 at 6 PM Online

Instructor will send an email with Zoom link before the information session begins.



▶ Biomedical Equipment Technician

- Tues, 6/22 at 6 PM (information session with testing)
- Tues, 7/6 at 2–5 PM (interviews by invite only)

Technology Career Institute • 2075 Las Palmas Drive, Carlsbad
Online: Mon, 6/14 at 10 AM

▶ BrewTech

- Thurs, 7/8 at 6 PM (information session with testing)
- Thurs, 7/22 at 2–5 PM (interviews by invite only)

Landes Recreation Center • 2855 Cedar Road, Oceanside
Thurs, 7/15 at 10 AM



▶ Engineering Technician

- Thurs, 2/18 at 6 PM
- Tues, 3/16 at 9 AM (information session with testing and interviews following)
- Thurs, 4/15 at 4 PM (testing and interviews only)

Technology Career Institute • 2075 Las Palmas Drive, Carlsbad
Online: Thurs, 2/25 at 10 AM



▶ Machinist Technology

- Tues, 4/27 at 6 PM
- Thurs, 5/27 at 9 AM (information session with testing and interviews following)
- Thurs, 6/24 at 4 PM (testing and interviews only)

Technology Career Institute • 2075 Las Palmas Drive, Carlsbad
Online: Tues, 5/4 at 10 AM

▶ Massage Therapy

- Wed, 1/20 at 5:30 PM. Oceanside Campus, Room T510



▶ Phlebotomy Technician

- Tues, 2/2 at 5:30 PM Livestream. A Zoom link will be emailed to students prior to the information session.

Note: Mandatory math and reading comprehension assessment is scheduled on 2/9 at 1 PM at Technology Career Institute, Room 100. Students must register for the assessment and have a passing score prior to enrollment.

▶ Unmanned Systems (ROV/Drone) Operator Technician

- Tues, 6/15 at 6 PM (information session with testing)
- Tues, 6/29 at 2–5 PM (interviews by invite only)

Technology Career Institute • 2075 Las Palmas Drive, Carlsbad
Online: Tues, 6/8 at 10 AM



▶ Veterinary Assistant

- Wed, 2/3 at 5:30 PM Livestream. A Zoom link will be emailed to students prior to the information session.

Note: Mandatory math and reading comprehension assessment is scheduled on 2/10 at 2 PM.

Tuition free courses received \$3,600,000 (60% of total) awarded under the America's Promise Grant program as implemented by the U.S. Department of Labor. This project is an equal opportunity employer/program with auxiliary aids and services that are available upon request for individuals with disabilities.

MiraCosta College's Technology Career Institute is an equal opportunity employer (EOE). Auxiliary aids and services are available upon request to individuals with disabilities.

Note: If you have a verifiable disability, you will need to call 760.795.6820 at least one week prior to the assessment to ensure proper accommodations can be made.



CERTIFICATE

Advanced Manufacturing Leadership Certificate

Bundle these classes for \$1,265

GI Bill® and WIOA funding available

- Blueprint Reading with GD&T
- LEAN Six Sigma
- OSHA-30
- Quality Assurance Basics for Manufacturing

CNC Programming Certificate

Bundle these classes for \$1,680

GI Bill® and Sallie Mae funding available

- 3D CAD for Manufacturing—Resumes in Fall 2021
- Blueprint Reading with GD&T
- Digital Precision Measuring
- CNC Programming—Introduction and Intermediate

Biomedical Equipment Technician Certificate

GI Bill® and Sallie Mae funding available

- Fundamental Electronics
- Human Anatomy
- Advanced Troubleshooting
- BMET Career Readiness
- OSHA-10
- 486-hour course

Child Visitation Monitor Certificate

WIOA funding available

- Make a difference in the lives of children's and families.
- Satisfies the State Requirements
 - Covers State Policies and Procedures
 - Safety and Responsibilities
 - 24-hour course

BrewTech Certificate

GI Bill®, Sallie Mae and WIOA funding available

- Techniques and Technology of Brewing
- Equipment Troubleshooting and Repair
- Brewing Formulas
- History and Nature of Brewing
- OSHA-10 and LEAN Training
- 280-hour course

Electronics Certificate

Bundle these classes for \$2,950

GI Bill®, Sallie Mae and WIOA funding available

- Basic Electronics—Resumes in Summer 2021
- Introduction to Electromechanics—Resumes in Summer 2021
- Electronic Assembly
- OSHA-10
- Quality Assurance Basics for Manufacturing

CNC Operator Certificate

Bundle these classes for \$1,645

GI Bill®, Sallie Mae and WIOA funding available

- 3D CAD for Manufacturing—Resumes in Fall 2021
- Blueprint Reading with GD&T
- Computer Numerical Control (CNC) Operation
- OSHA-10

Engineering Technician Certificate

GI Bill®, Sallie Mae and WIOA funding available

- Electrical
- Mechanical
- Robotics
- Automation
- OSHA-10 and LEAN Training
- 600-hour course

For individual course details, please see pages 36–46.

PROGRAMS

Machinist Technology Certificate

GI Bill®, Sallie Mae and WIOA funding available

- Blueprint Reading with GD&T
- OSHA-10
- Manual Lathe, Mill and CNC training
- CNC Programming
- LEAN Six Sigma
- 487-hour course



Unmanned Systems (ROV/Drone) Operator Technician Certificate with FAA Licensing Test Prep

GI Bill® and Sallie Mae funding available

- Introduction to ROV/Drone Operation and Piloting
- FAA Licensing Requirements
- Electrical and Mechanical Repair
- OSHA-10
- 462-hour course

Massage Therapy Certificate CAMTC Approved

Sallie Mae funding available

- Anatomy and Physiology
- Body Mechanics and Chair Massage
- Advanced Massage Theory and Methods
- Shiatsu, Tai Chi and Acupressure
- Massage for Athletes

Scuba Diving Instructor Certificate

GI Bill® funding available

Offering the only GI Bill® Approved Program in California

- PADI Instructor Certification
- Self-Paced
- Includes coursework, boat dives and gear
- 1033-hour course

Call 760.795.6820 for details

Phlebotomy Technician Certificate

GI Bill®, Sallie Mae and WIOA funding available

- CPT1 Phlebotomy Technician Certificate
- Basic Phlebotomy
- Advanced Phlebotomy
- Hands-on and Post Course Externship
- 80-hour course

Veterinary Assistant Certificate

GI Bill®, Sallie Mae and WIOA funding available

Entry-level training for the veterinary assistant profession.

- Basic Animal Care
- Safety Procedures
- State/federal guidelines
- Veterinary Medical Terminology
- 65-hour course

Real Estate License Certificate

GI Bill® and Sallie Mae funding available

- Real Estate Principles
- Real Estate Practice
- Real Estate Finance and Economics
- 150-hour course

Welding I Certificate

GI Bill®, WIOA and Sallie Mae funding available

Explore basic welding processes and procedures.

- Shielding Metal Arc Welding (SMAW)
- Interpretations of Blueprints/shop Drawings
- Gas Metal Arc Welding (GMAW)
- Flux Core Arc Welding (FCAW)

For individual course details, please see pages 36–46.

◇ Biomedical Equipment Technician Program (BMET)

Biomedical Instrument Technology is constantly expanding in healthcare, playing an increasing role in patient monitoring and treatment. Therefore, there is an ever increasing need for Biomedical Equipment Technicians (BMETs) to provide user training, inspection, calibration, maintenance and repair of medical devices. MiraCosta's 440-hour BMET Program will train students to use, troubleshoot, repair monitor and maintain biomedical instruments to prepare you for a career in this expanding field. The BMET program was developed as a result of increasing demand for biomedical equipment technicians in San Diego County and around the country. Courses build on lecture topics through extensive hands-on application in the areas of:



- Science
- Human Anatomy and Physiology
- Fundamentals of electronics
- Fundamentals of mechanics
- Introduction to computers, networks and cybersecurity
- Survey of instruments used in healthcare
- Documentation
- Advanced maintenance, troubleshooting and repair
- Career Readiness

\$6,000 GI Bill® and Sallie Mae funding available.

Technology Career Institute

Mon–Fri, 8/2–12/7, 8:30 AM–2 PM. No class on 9/6, 11/11 & 11/25–11/26. 5 hours each day.

► Register for the FREE information session (details on page 33).

◇ Blueprint Reading with GD&T

In this 30-hour hands-on class students learn to read and correctly interpret blueprints used in the manufacturing trades. They will get an opportunity to draw and edit simple blueprints through step-by-step development of multi-view drawings. In addition, students will learn the basics of geometric dimensioning and tolerancing (GD&T). This course is the perfect introduction to GD&T, symbols, applications and methods of inspection.



\$315

Technology Career Institute

5 Sat, 2/6–3/13, 9 AM–3:30 PM. No class on 2/13.

"I liked the instructor's knowledge and the flexibility/customization to match individual level."

– Blueprint Reading with GD&T class –

◇BrewTech Program

San Diego is well known as the craft beer brewing capital of the United States with over 150 active brewhouses and more scheduled to open soon. MiraCosta's 280-hour BrewTech Program is designed to train students to become productive brewers, while gaining confidence in the brewhouse, cellar or packaging line. As one of the premiere craft beer programs in the San Diego area with an on-site brewery, this class will focus on 'grain-to-glass' hands-on experience. The curriculum, including recipe development, wort production, cellar practices and packaging, is designed to train students to become a turnkey brewery technician. Classroom material covers the chemistry and biology of beer production and will introduce students to brewery equipment. Industry tours around San Diego will expose students to multiple brewing applications that will serve to enhance their knowledge of craft beer production. Students will also gain workplace skills training that will further add to their employability.

\$4,000 GI Bill®, Sallie Mae and WIOA funding available.

Landes Recreation Center, 2855 Cedar Road, Oceanside
Tues–Thurs, 8/24–12/4, 4–10 PM, 7 Saturdays, 9/11, 9/25,
10/9, 10/23, 11/6, 11/20 & 12/4, 8 AM–2:30 PM
No class on 11/11 & 11/23–11/25. 280 hours.

► **Register for the FREE information session**
(details on page 33).



*Tuition is FREE through the DOL funded America's Promise Grant.

◇Computer Numerical Control (CNC) Operation

Computer numerical control (CNC) is the automated control of manufacturing machining tools (drills, boring tools, lathes) by means of a computer. In this 56-hour course, students will learn safety, terminology, and basic blueprint reading, as well as interpretation of G&M codes, and operation of both a HAAS CNC mill and lathe. Students will also get exposure to CAD/CAM software. Course material and activities are provided via demonstrations and hands-on instruction.

\$850 Sallie Mae and WIOA funding available.

Technology Career Institute
7 Saturdays, 2/27–4/17, 8 AM–4:30 PM
No class on 4/3.



◇CNC Programming–Introduction

Using MasterCam Mill

In this 30-hour introductory course, students learn how to design basic CNC programs for a three-axis CNC milling machine. Students will be instructed on G&M codes, Boolean logic and machine and control definitions. In addition, the class will cover basic aspects of post configuration, variable definitions, formatting, post lines, post text, modality and control definitions.

\$400 Sallie Mae funding available.

Technology Career Institute
6 Sun, 2/21–3/28, 9 AM–2:30 PM

◇CNC Programming–Intermediate

Using MasterCam Mill

MasterCam is the most widely used CAM software in the industry and this intermediate, 30-hour course will provide students with trade-specific tips and tricks, whether they are in production or programming. This course also teaches additional topics for more intricate programs and designs. HAAS simulators will be used to test run the programs.

\$400 Sallie Mae funding available.

Technology Career Institute
6 Sun, 4/11–5/16, 9 AM–2:30 PM

◊Digital Precision Measuring

Using a Portable CMM

An introduction to metrology using a portable CMM and Verisurf CAD software. In this 30-hour course students will learn the basics of inspection, measurement, analysis and reverse engineering. This course is for individuals working within the advanced manufacturing environment.

\$315 Technology Career Institute

5 Sat, 3/20–4/24, 9 AM–3:30 PM, *No class on 4/3.*

UPCOMING CLASSES

- Basic Electronics–Summer 2021
- PLC Design Logic–Summer 2021
- Introduction to Electromechanics–Summer 2021
- Introduction to the Internet of Things IoT–Summer 2021
- 3D CAD for Manufacturing–Fall 2021
- Introduction to Python-xy–Fall 2021

◊Electronic Assembly

Learn the necessary training to become an electronic assembler at an advanced manufacturing company:

- Soldering through-hole and surface mount single-lead/multi-lead components
- Soldering multi-pin IC chips
- Measuring and cutting wire
- Trimming insulation, tinning wires and mounting to terminals
- Inspecting workmanship for acceptability to industry standards
- Familiarization with printed circuit board (PCB) cleanliness, coating and suitability for assembly requirements
- Understanding of product assurance, rework and repair processes and methodologies

In this 80-hour course students will work toward IPC certification. In addition, students will learn the role of production in the manufacturing system and how certain skill sets, such as reading and analyzing acceptance criteria, testing, documentation and soldering are integral to the job.

\$1,200 A \$100 certification fee will be collected.

WIOA funding available.

Technology Career Institute

10 Sun, 2/21–5/2, 8:30 AM–5 PM. *No class on 4/4.*

◊Electronic Assembly Re-certification

IPC professionals are required to renew their certifications every two years. In this 24-hour course students will be updated on IPC requirements and given the opportunity to demonstrate their workmanship skill to renew their IPC certification.

Demonstrate the skills and necessary training to re-certify as an electronic assembler at an advanced manufacturing company:

- Soldering through-hole and surface mount single-lead/multi-lead components
- Soldering multi-pin IC chips
- Measuring and cutting wire
- Trimming insulation, tinning wires and mounting to terminals
- Inspecting workmanship for acceptability to industry standards
- Familiarization with printed circuit board (PCB) cleanliness, coating and suitability for assembly requirements
- Understanding of product assurance, rework and repair processes and methodologies

Prerequisites: Current or expired IPC J-STD-001 (any revision) certification.

\$500 A \$100 certification and material fee will be collected.

Technology Career Institute

3 Mon & Wed, 3/1–3/17, 5:30–9:30 PM



◇ Engineering Technician Program

Whether you want to work in electronics, aerospace, biotechnology or breweries, this program can provide you with the necessary training.

Engineering technology integrates theory and application in mechanical, electrical and electronic systems, fluid power, automation, robotics and computer software. Our 600-hour program is 75% hands-on, gets students in front of industry leaders and trains students in the areas that companies have requested. Students will receive:

- OSHA certification
- National Career Readiness certification
- 2 days of job shadow experience
- Industry tours and guest speakers
- Career Readiness Bootcamp

Students will experience an accelerated program designed to prepare them with the skill sets to qualify for immediate entry into positions with local industry. Or, if a student has a college degree in this subject area or is interested in pursuing one in the future, this is the perfect supplement to enhance their current or future education.

\$7,000 GI Bill®, Sallie Mae and WIOA funding available.

Technology Career Institute

5/3–8/17, 8 AM–4:30 PM. *No class on 5/31 & 7/5.*

► **Register for the FREE information session**
(details on page 33).



“The TCI Engineering Tech program taught me the core competencies and the real world applications that employers are looking for. This program made it possible not only to find a job, but a career!”

– Jeremy Forget –

NEW ◇ The IPC-A-610 Certified IPC Soldering Specialist Training and Certification

The IPC-A-610 Certified IPC Soldering Specialist Training and Certification Course presents the acceptance criteria for quality of soldered electronic assemblies. This 32-hour course uses the IPC-A-610 document to present visual accept/reject criteria examples for the three classes of assembly. You’ll learn the reject/accept criteria of soldered connections and most types of solder connections being used today’s market. Who should attend–Solder operators, quality inspectors, technicians, supervisors, engineering supervisors and manufacturing supervisors.

\$900 A \$65 certification fee will be collected.

Technology Career Institute

4 Sat, 3/27–4/24, 8:30 AM–5 PM. *No class on 4/3.*



**ADVANCED MANUFACTURING
AND ENGINEERING TECHNICIAN
APPRENTICESHIPS AVAILABLE**

For more information, please
call 760.757.2121, x6528

LEAN Six Sigma

LEAN Six Sigma improves business performance by removing waste through lean manufacturing methods and reducing variation in processes that cause defects by applying Six Sigma Statistical Process Control tools.

In this 14-hour LEAN Six Sigma Yellow Belt course you will learn how to minimize waste with A3 Problem Solving, Value Stream Mapping, Kaizen and 5S Organization. You will also learn practical Six Sigma tools including DMAIC (Design, Measure, Analyze, Implement and Control), Project Charters, Statistical Process Control with Performance Boards and Pareto Charts, and Failure Modes Effects Analysis.

This LEAN Six Sigma Yellow Belt course will provide you with an understanding of LEAN Six Sigma methodology so that you can perform LEAN process improvement to minimize waste and participate in Six Sigma projects to reduce variation in processes.

\$250 Technology Career Institute

Sat, 5/22 & Sun, 5/23, 9 AM–4 PM



◆Machinist Technology Program

Want to work in the aerospace industry, make medical device parts and accessories or design a new golf club?

Gone are the days of the grease-covered, conventional machinist. Today's machinist must be highly trained with specific skills, working in high-tech manufacturing plants that are clean and innovative. Our nation has a huge shortage of skilled workers. As 77% of skilled Baby Boomers leave the workforce, San Diego County will need to fill thousands of positions over the next 15 years.

To meet this need, we offer a fast-paced, high-level training program. Students will be able to complete this program in 21-weeks (487 hours), with training in shop math, metal properties, reading blueprints, precision measuring, tooling, G&M codes, and manual and CNC machining. In addition, students will receive:

- OSHA certification
- National Career Readiness certification
- Opportunities to attend local industry meetings
- 2 days of job shadow experience
- Industry tours and guest speakers
- Career Readiness Bootcamp
- Apprenticeship pipeline available



\$6,500 **GI Bill®**, **Sallie Mae** and **WIOA funding available**. Technology Career Institute Mon–Thurs, 7/19–12/13, 3–9:30 PM. *No class on 9/6, 11/11 & 11/24–25. 6 hours each day.*

► **Register for the FREE information session (details on page 33).**

*Tuition is FREE through the DOL funded America's Promise Grant.

“Machinists will be expected to impress.”

– Machinist Technology Program –

OSHA-10

This OSHA 10 General Industry Safety Card does not expire and is recognized in all 50 states as evidence of knowledge of OSHA regulations. This 10-hour course will also include current Covid-19 mitigation techniques, Covid-19 recording and reporting guidelines, and information on Covid-19 contingency planning in addition to essential safety topics that are relevant to any business, such as Ergonomics, Material Handling, Machine Guarding, Electrical Safety, Emergency Action Plans, Walking Working Surfaces, Fall Protection, Personal Protective Equipment and Hazard Communication.

\$230 Technology Career Institute

Sat, 5/8, 9 AM–5 PM & Sun, 5/9, 9 AM–1 PM

OSHA-30

The 30-hour general industry outreach training course is a comprehensive safety training program designed for anyone involved in general industry. The course provides extensive information on OSHA compliance, safety and health hazards in the workplace, employer responsibilities, workers' rights, hazard recognition, avoidance, abatement and prevention. Successful completion of this course results in a Department of Labor 30-hour OSHA General Industry safety card that is federally recognized in all 50 states and never expires.

\$425 Technology Career Institute

2 Sat & Sun, 5/8–5/9 & 5/15–5/16, 9 AM–5 PM



◆Quality Assurance Basics for Manufacturing

Manufacturing companies are thriving in San Diego County. That means thousands of products must be inspected to ensure that quality meets or exceeds customer expectations. Whether it's a screw that goes into your body or a solar array on a satellite, it's critical that the part is made or assembled correctly. This 15-hour workshop provides students with an overview of quality assurance concepts within the manufacturing industry. Course topics include:

- Day-to-day job functions
- Inspection and testing topics
- Material certificates, MIL standards and verification
- AS9100 overview
- Auditing overview
- Manufacturing processes
- Documentation

\$275 Technology Career Institute

3 Tues & Thurs, 3/2–3/18, 5:30–8 PM

NEW ◆Quality Assurance Basics 2 Root—Cause/Problem Solving Analysis

Root cause is fundamental to problem solving. This 20-hour course presents the process and tools to identify the cause of a problem, solve it, and prevent it from occurring again. We focus on understanding root cause analysis as a procedure. The format of the course consists of lecture, practice, and role-playing. Whether your company is manufacturing, financial or service oriented, this course is needed.

Who should attend—Quality, risk, process engineers and managers, technicians, operations, process owners, those who want to improve their ability to solve recurring problems.

\$315 Technology Career Institute

4 Tues & Thurs, 4/6–4/29, 5:30–8 PM

◇ Unmanned Systems (ROV/Drone) Operator Technician Program with FAA Licensing Test Prep

San Diego is a center for innovation and remote operated vehicles (ROV) are becoming the technology of choice for overwater, underwater, aerospace, retail delivery and agriculture industries. Our 420-hour program will employ hands-on training using state-of-the-art technology. Upon course completion, students will be ready to take the FAA Unmanned Aircraft Systems (UAS) Drone Knowledge Test—the required exam needed to pass to get a Remote Pilot Certificate.

Course includes:

- Industrial safety
- Electrical and specialty wiring
- Programmable controllers
- Machine design
- PC base data acquisition and control
- Geographic Information Systems (GIS)
- Electrical and mechanical repair
- Introduction to submersible robotics
- Introduction to ROV/drone careers
- ROV piloting
- Introduction to drones (UAVs)
- Drone piloting
- FAA licensing requirements and regulations
- FAA exam prep

\$6,000 **GI Bill®** and **Sallie Mae** funding available.

Technology Career Institute

Mon–Thurs, 7/19–12/15, 3:00–8:30 PM. *No class on 11/11 & 11/25. 5 hours each day.*

► **Register for the FREE information session (details on page 33).**



*Tuition is FREE through the DOL funded America's Promise Grant.

◇ Welding I Program

Designed to train students to qualify for an American Welding Society (AWS) code, this 132-hour course will explore basic welding processes and procedures, safety, interpretations of blueprints/shop drawings, metallurgy, fabrication tools, welding qualifications and procedure qualification. In addition, students will receive a significant amount of hands-on training in:

- Shielded Metal Arc Welding (SMAW)
- Gas Metal Arc Welding (GMAW)
- Flux Core Arc Welding (FCAW)

\$2,400 **GI Bill®**, **Sallie Mae** and **WIOA** funding available.

Landes Recreation Center

2855 Cedar Road, Oceanside

11 Tues, Wed & Thurs, 1/26–4/8 & 4/13–6/24, 5–9 PM

19 Sat, 1/23–6/19, 9 AM–4:30 PM

No class on 2/13, 4/3 & 5/29.

19 Sun, 1/31–6/27, 9 AM–4:30 PM

No class on 2/14, 4/4, 5/30.

◇ Welding and Metal Fabrication

Interested in expanding upon your newly acquired skills from our Welding I class by getting some hands-on experience? If so, this 60-hour class is a great opportunity to practice and expand upon existing skills. Topics will include class projects, which include:

- SMAW, GMAW & FCAW welding processes
- Plasma arc cutting
- Blueprint Reading
- Basic tool safety and "tools of the trade" suggested checklist for welders/fabricators.
- Hands-on experience with the ironworker, cold saw and band saw.

Students will also learn math fabrication skills, job steps from start to finish, tacking, squaring and order of welding and basic critical thinking.

\$985

Landes Recreation Center

2855 Cedar Road, Oceanside

15 Mon, 1/11–5/3, 5–9 PM. *No class on 1/18 & 2/15.*

15 Mon, 5/10–8/23, 5–9 PM. *No class on 5/31.*

NEW ♦ Massage Therapy Program | CAMTC Approved

500 hours completed in just ONE semester

Whether you are a beginner looking for a first-rate training and professional qualification or a qualified therapist wishing to further your knowledge and skills, MiraCosta College's Massage Therapy training program is just right for you. Our newly revised Massage Therapy program is held, Tuesday-Friday and some Saturdays. This 500-hour program has a maximum student number, ensuring close supervision for each learner. Massage therapists can specialize in many different types of massage modalities.

Swedish, deep-tissue and sports massages are just a few of the many modalities of massage therapy. This program is designed for anyone who meets the prerequisites and is interested in becoming a massage therapist, sports massage therapist or starting their own massage business.

Kevin Whitfield, Keoni Salgado, Tania Yager / \$6,500 due at time of registration. **Sallie Mae funding available.** Students are required to purchase and wear white or black short/cap sleeve shirt (polo/athletic style), dark/khaki knee/ankle length pants and closed-toed shoes while working with the public. Students will also bring personal sanitizer, a clean sheet and massage lotions.

Classes will begin online. Once we are able to meet in-person, as health regulations allow, classes will resume at the Oceanside campus in room T520.

Textbooks: Course requires you to purchase three textbooks for an approximate cost of \$200 total. List will be sent prior to class.

Tues–Fri, 2/23–8/05/2021, 1–7 PM & Sat, 7/17, 7/24 & 7/31, 9 AM–3 PM. *No class on 3/23–3/26/2021.*

► **Register for the FREE online information session: Wed, 1/20 at 5:30 PM (details on page 33).**



♦ Phlebotomy Technician Program with NCCT Exam

MiraCosta College Community Education & Workforce Development, in partnership with PhlebotomyU, is proud to offer this excellent opportunity for those seeking to enter the medical field as a CPT1 phlebotomy technician.

Students are required to complete:

- A minimum of 20-hours in basic phlebotomy
- A minimum of 20-hours in advanced phlebotomy
- A minimum of 40-hours in a laboratory course in applied phlebotomy
- 40–120 hours of clinical externship in a healthcare setting

Students who pass the course will also be eligible to take the certification examination offered by the National Center for Competency Testing (NCCT) in class at the conclusion of the course. Upon successful completion of the course, participants will be issued a state-approved training certificate.

Note: A \$100 California CPT 1 License Application fee, BLS Certification and all immunization are not included in the tuition fee and must be paid by the student. High school diploma or GED required.

\$2,750 **GI Bill®**, **Sallie Mae** and **WIOA** funding available.

Additional Fees: A \$90 National Examination Fee and a \$100 Background Check and Drug Screen Fee will be collected at the time of registration with the tuition fee.

Technology Career Institute, 2075 Las Palmas Drive, Carlsbad, Room 100

Mon, Wed & Fri, 3/15–5/14, 5–8:30 PM

Externship: Clinical externships will be provided and supervised by our phlebotomy program staff.

► **Register for the FREE online information session: Tues, 2/2 at 5:30 PM Livestream (details on page 33).**



◇Veterinary Assistant Program

Become a veterinary assistant in just a few months! This 65-hour program will provide students with an overview and entry-level training. Learn basic animal care principles and techniques, safety procedures and state/federal guidelines. Topics include:

- Basic anatomy and physiology
- Basic radiology
- Small animal breeds
- Animal nutrition
- Parasite control
- Record-keeping and veterinary office procedures
- Client relations and communications
- Veterinary medical terminology, hospital patient care and surgical preparation

Students will learn laboratory techniques and customer representative skills appropriate for a veterinary assistant. This class is an entry-level and is NOT a veterinary technician training program, which requires a two-year American Veterinary Medical Association (AVMA) accredited degree program.

Supplies: Students will need to purchase the book, *Veterinary Assisting Fundamentals & Applications* by Beth Vanhorn & Robert Clark and *Animal Restraint for Veterinary Professionals* by C.C. Sheldon, James Topel and Teresa Sonstagen (available on amazon.com) prior to the first class session.

\$1,090 **GI Bill®**, **Sallie Mae** and **WIOA** funding available.

Additional Fees: A \$15 lab fee will be collected at the time of registration with the tuition fee.

Technology Career Institute
2075 Las Palmas Drive, Carlsbad, Room 100

10 Sat, 3/6–5/22, 9 AM–4:30 PM

No class on 4/3 & 5/15.

Externship: We strongly recommended a minimum of 80 externship hours at the conclusion of the training (this is required for anyone receiving funding from an outside organization).

► **Register for the FREE information session now:**
Wed, 2/3, at 5:30 PM Livestream (details on page 33).



Child Visitation Monitor Livestream

Are you looking for a career opportunity in which you can work within the community, gain valuable experience and make a difference in the lives of children and families? Consider becoming a Professional Child Visitation Monitor; a position that is always in demand. Average pay for monitors is \$30–\$60 per hour, depending on the case. Sometimes, based on issues of protection and safety, a judge will order that a child only have contact with a parent when a neutral third person is present during the visit. The monitor's responsibility is to ensure the safety and well-being of the children involved. This comprehensive course satisfies the state's 24-hour training requirement. You will learn California policies and procedures, as well as your role as a monitor. Upon completion, you will also receive a Certificate of Accomplishment and forms necessary to register with San Diego Superior Court.

Note: Must be at least 21 years old and have a clean record. A small business license is required if you want to work independently as a child visitation monitor. Participants will eventually get fingerprinted upon registering name with the superior court and apply for a business license. This comprehensive course satisfies the state's 24-hour training requirement. Instructor will send an email with Zoom link before class begins. This is an accelerated online course, with only 6 sessions. There will be several breaks in between class time.

Supplies: A \$65 material fee to be paid directly to instructor. Instructor (Jazmin Mundo) will send a link prior to the start of class to pay materials fee. Material (handbook) will be shipped to students by instructor. Jazmin Mundo / \$329 Early Bird Special \$315 (Register BEFORE 2/12 for this rate) **WIOA funding available.**

6 Tues, 2/23–3/30 9 AM–1 PM



► **Register for the FREE Online information session now: Wed, 2/3 at 6 PM (details on page 33).**

◆ Scuba Diving Instructor Program

MiraCosta College Community Education & Workforce Development now offers a rigorous GI Bill® funded Professional Scuba Diving Instructor program. We have created a 1033-hour course that prepares students for Professional Association of Diving Instructor (PADI) membership and certification.

The program includes the following courses:

- Open water
- Advanced open water
- Emergency first response
- Rescue diver
- Dive master
- Assistant instructor
- Emergency first response instructor
- Cylinder inspector and technician
- HAS instructor
- Open water SCUBA instructor and MSDT prep

This program is self-paced. To receive certificates, students must complete all classes and dives.

\$21,594.30 (includes all coursework, boat dives, materials and scuba gear) **GI Bill® funding available.**

Additional fees for PADI application, membership and certification will be required. These fees are the responsibility of the student and are to be paid directly to PADI or the certifying agency.

Start Dates: Ongoing Various diving locations

For VA funding, payments and enrollment questions, call MiraCosta College Community Education & Workforce Development at TCI: 760.795.6820.

NEW Financial Planning Analyst Livestream

Financial planning is a growth industry as more consumers become concerned with retirement income planning and other financial goals. There are new positions opening and there are many retiring planners, which create hiring opportunities. A Financial Planning Analyst works side-by-side with experienced planning professionals creating financial plans. You will help gather and organize the data for the plan. You then will use specialized planning software to model scenarios to test the limits of the financial plan. Your importance to the planning firm is creating planning reports that the professional uses to coach clients in their finances. Jobs exist in two-person offices up to mega-firms, such as Merrill Lynch and UBS. This entry-level position is foundational to a career path leading to Certified Financial Planner® status. This is a 52-hour livestream instruction course and will require at least 50% more of self-study and computer practice.

Note: Students will need to have access to a computer during and away from class-time. Access to a computer is required both during class time and for homework purposes. An internet connection with the ability to upload and download is the minimum requirement, as much of the class will be interactive work needing a sustainable connection. A working webcam and microphone are also required as these will be Zoom (Webex, etc...) sessions needing personal interaction with the instructor and in groups. There may be short breaks during classes.

David Smith / \$1,100 Early Bird Special \$770 (Register BEFORE 2/12 for this rate) / Online

Tues, Wed & Thurs, 2/23–3/23, 5–9 PM, 5–8 PM. 52-hour course.

INSTRUCTOR BIO:

David F. Smith, PhD, CFP®, holds a doctorate in Business Administration, master's degrees in both Financial Planning and Management and an undergraduate degree in Economics from Harvard University.

During his forty-year career in financial planning, Dr. Smith has trained beginning planners in the fundamentals of financial planning and guided experienced professionals in complex planning concepts. Additionally, he is a board member of the Financial Planning Association, which provides insight into the industry, as well as job opportunities for those taking his courses.



Real Estate License Program

An accelerated 4-month program that includes licensing exam preparation.

The Real Estate License Program provides the perfect training for those students planning to enter the real estate profession, as well as opportunities for those currently working in real estate and related areas to increase knowledge in this field. MiraCosta's Real Estate Program has moved to Community Education & Workforce Development and will no longer offer college credit. However, the duration of the course has been shortened to four months/150-hours and includes testing preparation and the opportunity to take the real estate exam at the end of class.

Course includes: Real Estate Principles, Real Estate Practice, Legal Aspects of Real Estate, Mastering Real Estate Math and Exam Preparation.



CERTIFICATIONS: If students attend all classes, complete the necessary coursework and pass the required tests, students will receive a MiraCosta College Certificate of Accomplishment. Licensing to become a real estate salesperson is conducted by the California Department of Consumer Affairs Bureau of Real Estate (BRE). To obtain a California Real Estate Salesperson license, candidates must first qualify for and pass a written examination. For information about state licensing, go to bre.ca.gov.

Note: Instructor will send an email with Zoom link for online portion of the class. Online class will be recorded for students that cannot participate in the designated online time.

\$350 per course, or save and sign up for all three courses for \$900

GI Bill® and Sallie Mae funding available.

Required Textbooks: *California Real Estate Principles* by Walt Huber 15th edition ISBN-10: 1626842175, *California Real Estate Practice* by Walt Huber, Arlette Lyons, 8th edition ISBN-10: 1626842523 and *Essentials of Real Estate Economics* by Mckenzie, Betts & Jensen, 6th edition ISBN-10: 053873969X (available on amazon.com)

Real Estate Principles: Tues & Thurs, 1/28–3/4, 6:30–9:30 PM. 1 Wed, 2/10, 6:30–9:30 PM
Sat, 2/20 & 2/27, 8:30 AM–4:30 PM

Real Estate Practice: Tues & Thurs, 3/9–4/8, 6:30–9:30 PM. 2 Wed, 3/10 & 3/24, 6:30–9:30 PM
2 Sat, 3/20 & 4/10, 8:30 AM–4:30 PM

Real Estate Finance & Economics: Tues & Thurs, 4/13–5/13, 6:30–9:30 PM. 2 Wed, 4/21 & 5/12, 6:30–9:30 PM
2 Sat, 4/24 & 5/1, 8:30 AM–4:30 PM



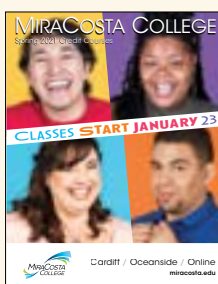
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In our credit program, you can earn a degree or certificate, complete your first two years of college and transfer to a four-year university, or take classes to advance your career. Scholarships and financial aid are available! With MiraCosta Promise, all first time, full-time students receive tuition free for two years.

Online Electronics/Robotics

MiraCosta Community Education & Workforce Development, in partnership with George Brown College, is proud to offer six interactive and highly innovative distance education programs that combine state-of-the-art lab simulation with award-winning curriculum. The program content is delivered on CD, DVD or USB drive and is supported through the online virtual campus.

Automation Technician

The AT program provides an introduction to industrial automation, including digital electronics, process control, and programming of PLCs, robotic and SCADA systems.

Fee: \$1,850 WIOA funding approved.
Or pay as you go (cost per module available at miracosta-gbc.com).

Electronics Technician

The ET program covers the fundamentals of electronics and prepares students for further on-the-job training as a consumer, commercial or industrial electronics service technician.

Fee: \$1,750 WIOA funding approved.
Or pay as you go: initial registration **\$430** and **\$60** for each of the remaining 22 modules.

Electromechanical Technician

The ET program is designed to provide students with a foundation in electromechanical technology, such as industrial maintenance, design and installation, technical services, technical sales and industrial research.

Fee: \$1,800 WIOA funding approved.
Or pay as you go: initial registration **\$430** and **\$60** for each of the remaining 23 modules.

Robotics Technician

An introduction to industrial robotics, this course explains how they are used in plants or manufacturing systems.

Fee: \$1,650 WIOA funding approved.
Or pay as you go: initial registration **\$570** and **\$90** for each of the remaining 12 modules.

Programmable Logic Controllers (PLC) Technician

The basic introduction to PLCs, this program is designed for people with little or no background in the area. Visit the website listed below for more information.

Fee: \$1,800
Or pay as you go: initial registration **\$450** and **\$75** for each of the remaining 18 modules.

Programmable Logic Controllers II (PLC) Technician

The PLC Technician II Certificate provides a more advanced study of PLCs, introducing tag-based addressing, DCS and SCADA systems.

Fee: \$1,800
Or pay as you go: initial registration **\$450** and **\$75** for each of the remaining 18 modules.



In partnership with George Brown College, MiraCosta Community Education & Workforce Development provides more information at miracosta-gbc.com or call 866.277.0881.

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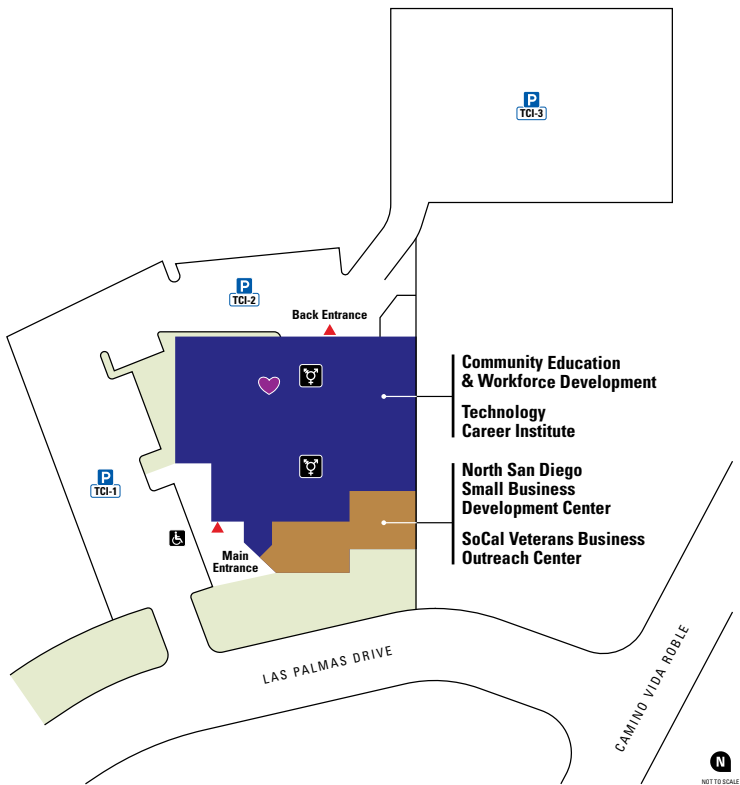
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Art.....	2100, 2200, 2300	English Language Institute.....	T510, T520	Proctoring Center.....	3300
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Associate Faculty Office.....	4606	EOPS.....	3000	School Relations/Diversity Outreach.....	3400
Associated Students.....	3400	Facilities Department.....	4200	Service Learning.....	3300
Athletics.....	5200	Financial Aid/Scholarships.....	3000	Shipping/Receiving.....	6100
Automotive Technology.....	4000	Gymnasium.....	5000	Student Accounts/Cashier.....	3200
Biotechnology.....	4050	Health Services.....	3300	Student Center.....	3400
Bookstore.....	3400	Horticulture.....	7000	Student Life & Leadership.....	3400
Business Services.....	1000	Human Resources.....	1000	Testing Office.....	3300
Cafeteria.....	3400	Institutional Advancement.....	1000	Theatre.....	2000
CalWORKs.....	3000	Institutional Research.....	1000	Theatre Studio.....	2700
Career Center.....	4700	Instructional Services.....	1000	Little Theatre.....	3601
Child Development Center.....	8000	International Students.....	3400	Transfer Center.....	3700
College Police.....	1100	Library & Information Hub.....	1200	Tutoring.....	1200
Computer/Business Department.....	4800	Lost & Found.....	1100	Veterans Services.....	T100
Concert Hall.....	2400	Math Learning Center.....	1200	Wellness Center.....	4100
Counseling.....	3700	Music.....	2200, 2300	Writing Center.....	1200
Dance Studio.....	2700	Nursing/Allied Health.....	T420, 4400		
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Disabled Students Services.....	3000	President, Office of the.....	1000		

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LOCATIONS | MAPS



Legend

- Parking Lot
- Disabled Parking
- Inclusive Restroom
- AED Location (Automated External Defibrillator)
- Emergency Call Box

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Directory

**Community Education
& Workforce Development**
760.795.6820
miracosta.edu/community

Technology Career Institute
760.795.6820
tci.miracosta.edu

**North San Diego Small Business
Development Center**
760.795.8740
sandiegosmallbiz.com

**SoCal Veterans Business
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760.795.8739
socialvboc.org

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- HIGH EMPLOYMENT RATE

Enroll now! For more information go to page 40

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