



SAN DIEGO & IMPERIAL COUNTIES COMMUNITY COLLEGES

# MANUFACTURING PROGRAMS DIRECTORY

Find the program that is right for you



**COMMUNITY COLLEGES**

SAN DIEGO & IMPERIAL COUNTIES

**CAREER EDUCATION**







# COMMUNITY COLLEGE REGIONAL CONSORTIUM

## YOUR PARTNER IN CAREER ADVANCEMENT

The San Diego & Imperial Counties Community Colleges (SDICCC) is a united consortium, dedicated to providing quality programs to help all students in San Diego and Imperial Counties achieve career success.

There are 10 Community Colleges in San Diego and Imperial Counties. Out of the ten, seven offer advanced manufacturing programs, these are\*:

- § Cuyamaca College
- § Grossmont College
- § Imperial Valley College
- § MiraCosta College & MiraCosta Technology Career Institute
- § Palomar College
- § San Diego City College
- § San Diego College of Continuing Education
- § San Diego Mesa College
- § San Diego Miramar College
- § Southwestern College







CAREER EDUCATION PROGRAM COORDINATOR

**GEORGE DOWDEN**

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PROGRAM COORDINATOR CADD TECHNOLOGY

**CYRUS SAGHAFI**

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**CADD Technology**

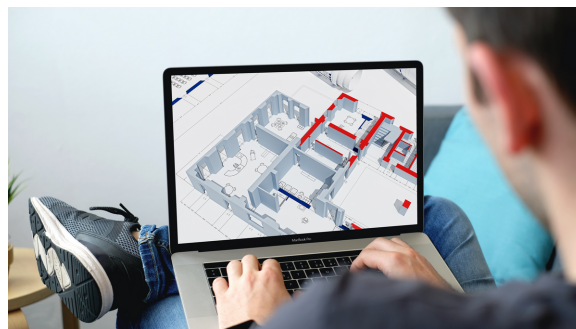


Available in

- Associate in Science Degree (30 Units)
- Certificate of Achievement

Areas of Emphasis (includes GD&T):

- Building Design Industry
- Manufacturing Industry



Software: AutoCAD and SolidWorks

More program information







CHAIR, FACULTY

**PAUL CLARKE**

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INSTRUCTIONAL ASSOCIATE

**CHRIS BOEHM**

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## Design Department



FACULTY

**DAVID PARKER**

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### Certificate of Proficiency

- 3D Modeling and prototyping
- Applied Design
- AutoCAD Certified User
- Construction Management
- Drafting Fundamentals
- Engineering Design Graphics
- SolidWorks Certified User

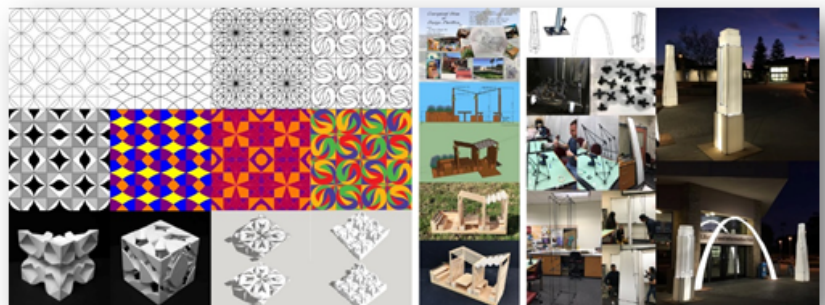
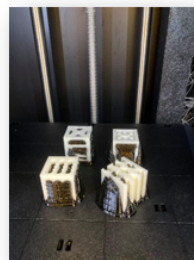
### Certificate of Achievement

- Architectural Design
- Computer-Aided Drafting
- Computer-Aided Drafting & Design
- Engineering Technology
- Mechanical Design

### Certificate of Achievement

- Architectural Design
- Computer-Aided Drafting
- Computer-Aided Drafting & Design
- Engineering Technology
- Mechanical Design

Software: AutoCAD, Creo, Fusion 360, Revit SolidWorks, SketchUP







TECHNOLOGY  
CAREER INSTITUTE

EXECUTIVE DIRECTOR

**LINDA KUROKAWA**

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## Manufacturing Technology Programs



- Machinist Technology Program
- CNC Operation & Programming
- Lean Manufacturing
- Metal Fabrication
- OSHA
- Precision Measuring
- Quality Assurance Basics for Manufacturing
- Welding



## Engineering Technology Programs



- Engineering Technician Program
- Automation Technician (Online)
- Basic Electronics
- Biomedical Equipment Technician
- Electronic Assembly
- Electromechanical Technician (Online)
- Electronics technician (Online)
- Introduction to Electromechanics
- Lean Manufacturing
- OSHA
- PLC Programming
- PLC Technician I (Online)
- PLC Technician I (Online)
- Program & Coding
- Robotics Technician (Online)







ASSOCIATE PROFESSOR, DRAFTING TECHNOLOGY

**ANITA TALONE**

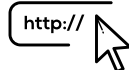
atalone@palomar.edu

ASSOCIATE PROFESSOR, MACHINING TECHNOLOGY

**MICHAEL WRIGHT**

mwright1@palomar.edu

## Drafting and Machine Technology



### Drafting Technology

- Mechanical Engineering Drafting & Design Technology (AS Degree/Certificate of Achievement)
- Electrical Engineering Drafting & Design Technology (AS Degree/Certificate of Achievement)
- Drafting & Design CADD/CAM Technology (AS Degree/Certificate of Achievement) includes Print Reading & GD&T
- Single 9-Unit (2 semesters) Certificates in AutoCAD, Creo or SolidWorks

ASSOCIATE PROFESSOR, FURNITURE MAKING

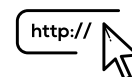
**JENNIFER ANDERSON**

janderson2@palomar.edu

### Machining Technology

- Machining Technology (AS Degree/Certificate of Achievement)
- 2 Haas VF2-SS, 2 ST20 Lathe, Tensile strength tester, Pendulum tester, 2 Heat-treating furnaces
- Quality Control/Inspection Tech - Certificate of Achievement includes Print Reading & GD&T
- CMMs: Romer Arms, Optical Comparator and other measurement devices
- Entry Level MasterCAM Programmer - Certificate of Achievement

## Cabinet and Furniture Technology



- Guitar Making Technology
- Case Furniture Construction/Manufacturing
- Table and Chair Manufacturing
- Carving Technology
- Lathe Turning Technology
- Veneering Technology
- Woodworking Skills Technology
- Cabinetmaking and Millwork



ASSOCIATE PROFESSOR, WELDING TECHNOLOGY

## ASHLEY WOLTERS

awolters@palomar.edu



## Welding

Associate in Science Degrees

- Welding Technology

Certificates of Achievement

- Welding Technology

Certificates of Proficiency

- Entry-Level Gas Metal Arc/Flux Cored Arc Welding

- Entry-Level Gas Tungsten Arc Welding

- Entry-Level Shielded Metal Arc Welding

ASSOCIATE PROFESSOR, HVAC TRADE &  
INDUSTRY  
WATER TECHNOLOGY ED

## BARRY VALENTINE

bvalentine@palomar.edu

## Air Conditioning, Heating and Refrigeration Program



Available in

- Associate in Science Degree (27-31 Units)
- Certificate of Achievement (16 Units)
- Certificate of Proficiency (10 Units)





DEAN, AUTOMOTIVE, SKILLED AND TECHNICAL  
TRADES

**ANDREI LUCAS**

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SAN DIEGO  
CONTINUING  
EDUCATION



WELDING INSTRUCTOR AND CO-PROGRAM CHAIR  
OF SKILLED AND TECHNICAL TRADES

**BRADLEY DORSCHER**

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## Skilled and Technical Trades

http://



### Certifications

- Electronics Technician
- Air Conditioning and Heating I
- Air Conditioning and Heating II
- Plumbing I
- Plumbing II
- Plumbing III
- Basic Upholstery Skills
- Automotive Upholstery
- Household Upholstery
- Shielded Metal Arc Welding I & II
- Gas Metal and Flux Cored Arc Welding
- Gas Tungsten Arc Welding I & II
- Pipe Welding I & II
- Metal Fabrication I & II



LEAD INSTRUCTOR  
MACHINING TECHNOLOGY

# JOSHUA PERRY

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PROFESSOR, MANUFACTURING ENGINEERING  
TECHNOLOGY, ELECTRICITY

# KENNY HEIFNER

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# FARNAZ KHOROMI

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PROFESSOR, ELECTRONICS, ENGINEERING

# FRED JULIAN

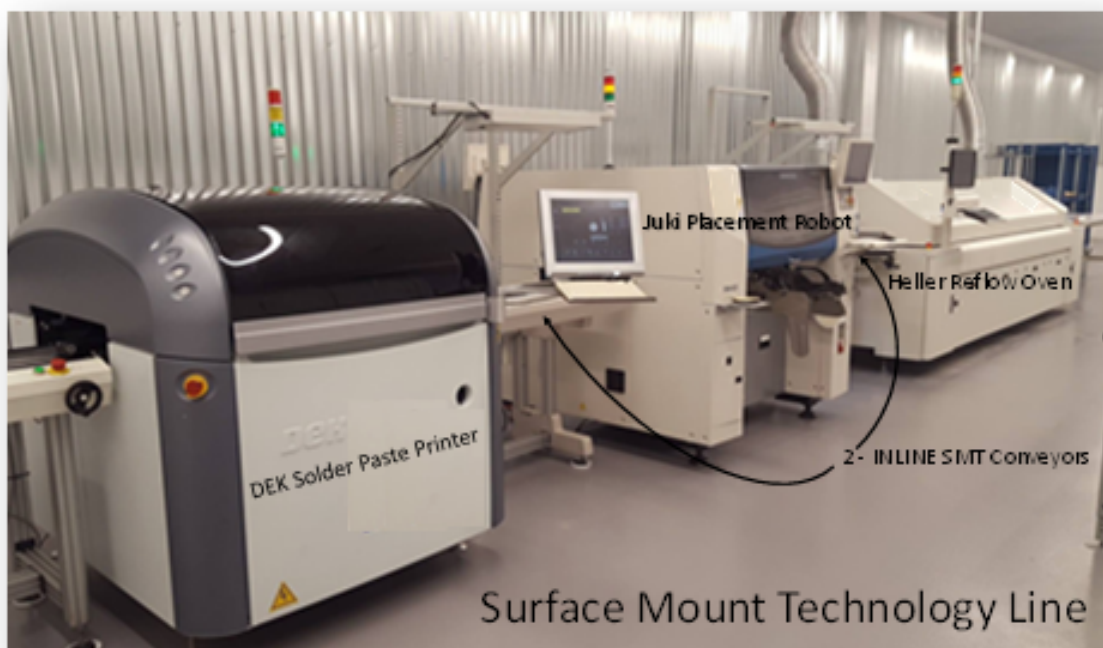
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PROFESSOR, AIR CONDITIONING, AND REFRIGERATION  
(AIRE) ENERGY AND GEO-ENVIRONMENTAL  
ENGINEERING (EGEE)

# JUSTIN BOND

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SAN DIEGO  
CITY COLLEGE





# Program Offerings



- Machining Technology (MACT)
- Manufacturing Engineering Technology (MFET)
- Air Conditioning, Refrigeration, and Environmental Control Technology (AIRE)
- Electricity
- Electronics Systems
- Engineering
- Heating, Ventilation and Air Conditioning (HVAC)
- Energy and Geo-Environmental Engineering (EGEE)

## Machining Technology (MACT)



Associate of Science Degree

- Computer Aided Manufacturing(CAM)

Certificate of Achievement

- Computer Numerical Control (CNC)
- Computer Aided Manufacturing (CAM)

Certificate of Performance

- CAM
- CNC Operator
- CNC Technology



## MANUFACTURING ENGINEERING TECHNOLOGY (MFET)



Associate of Science Degree

- MFET Option: Fabrication
- MFET Option: Electronics

Certificate of Achievement

- Fabrication Manufacturing
- Electronics Manufacturing

Certificate of Performance

- Introduction to Manufacturing
- Manufacturing Fundamentals
- Advanced Manufacturing
- Lean Six Sigma
- Mechanical Design
- Advanced Mechanical Design

