



Other Manufacturing: Metal Fabrication

Institution CALIFORNIA STATE UNIVERSITY, LONG BEACH (CSULB)

Type of Institution University

Industry Other Manufacturing: Metal Fabrication

NAICS Code 325211, 325991, 3261, 331, 332, 3332, 3335

Department Computer Engineering and Engineering Schience

Program Name BS in Engineering Technology

Contact Barbara Mack

Title Program Advisor

Street 1250 Bellflower Blvd.

City Long Beach

State CA

Zip Code 90840

Phone 562-985-1595

Fax

Email bmack@csulb.edu

Website http://www.csulb.edu/colleges/coe/cecs/views/programs/undergrad/bs_et.shtml

Description *Cal State Long Beach offers a Bachelor of Science in Engineering Technology (BSET). BSET has several program options such as computer technology, electronics technology, environmental technology, manufacturing technology, and quality assurance technology. Students get a hands-on experience in circuit board design in computer- assisted drafting and information systems. They also learn how to operate lathes, milling machines and modern test equipment. The department also offers 2 certificate programs: Safety Operation and Facilities Operation.*



Other Manufacturing: Metal Fabrication

Institution CALIFORNIA STATE UNIVERSITY, LONG BEACH (CSULB)
UNIVERSITY COLLEGE AND EXTENSION SERVICES

Type of Institution University

Industry Other Manufacturing: Metal Fabrication

NAICS Code 325211, 325991, 3261, 331, 332, 3332, 3335

Department University Extension

Program Name Advanced Manufacturing Technology Certificate

Contact Hamid Hefazi

Title Program Director

Street 6300 State University Dr., Suite 104

City Long Beach

State CA

Zip Code 90815

Phone 562-985-1502

Fax

Email hefazi@csulb.edu

Website <http://www.uces.csulb.edu/Extension/CourseSchedule/ProgramDescription.aspx?>

Description *Located in the heart of the aerospace industry, the Department of Mechanical and Aerospace Engineering at CSULB has had a long-standing working relationship with major aerospace companies such as Boeing. Part of this relationship has been providing educational opportunities to aerospace employees. This program was developed in collaboration with The Boeing Company and is designed to provide you with the basic skills required of an industrial or manufacturing engineering technologist. The program is open to all aerospace manufacturing employees.*



Other Manufacturing: Metal Fabrication

Institution **CERRITOS COLLEGE**

Type of Institution College

Industry Other Manufacturing: Metal Fabrication

NAICS Code 325211, 325991, 3261, 331, 332, 3332, 3335

Department **Technology**

Program Name **Machine Tool Technology**

Contact Randy Peebles

Title Instructional Dean

Street 11110 Alondra Blvd.

City Norwalk

State CA

Zip Code 90650

Phone 562-860-2451 x2903

Fax

Email rpeebles@cerritos.edu

Website <http://www.cerritos.edu/mtt/>

Description *Computer Assisted Design (CAD)/Manufacturing (CAM): Cerritos College offers one of the most extensive CAD and CAM programs using the latest software available. The programs are designed to serve beginner as well as advanced CAD and CAM students. Professors teach students about the finer points of mechanical drafting, tool design, and sheet metal. Some of the courses offered include blue print reading, design and production technology, and architecture. Machinist Training Program: The Cerritos College machine tool technology program covers the entire spectrum of the modern machine trade including math, inspection, blueprint reading, metallurgy, machine tool, and basic machine operation. The program provides training on state-of-the-art equipment and prepares students for jobs in the aerospace, commercial, and maintenance machinist trades.*



Other Manufacturing: Metal Fabrication

Institution **EAST LOS ANGELES SKILLS CENTER**

Type of Institution College

Industry Other Manufacturing: Metal Fabrication

NAICS Code 325211, 325991, 3261, 331, 332, 3332, 3335

Department **Industrial Education**

Program Name **Automotive Mechanic**

Contact

Title

Street 3921 Selig Place

City Los Angeles

State CA

Zip Code 90031

Phone 323-224-5970 x5982

Fax 323-222-2351

Email

Website <http://elasc.adultinstruction.org/courses.htm>

Description *This 1200 hour course meets NATEF standards and identifies emphasizes tasks in engine performance, electrical/electronic systems, brakes, and suspension and steering.*

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Other Manufacturing: Metal Fabrication

Institution **EL CAMINO COLLEGE**

Type of Institution College

Industry Other Manufacturing: Metal Fabrication

NAICS Code 325211, 325991, 3261, 331, 332, 3332, 3335

Department **Industry and Technology Division**

Program Name

Contact Stephanie Rodriguez

Title Dean

Street 16007 Crenshaw Blvd.

City Torrance

State CA

Zip Code 90506

Phone 310-660-3600

Fax

Email srodriguez@elcamino.edu

Website <http://www.elcamino.edu/academics/indtech/>

Description *El Camino College offers an associate in science degree in machine tool technology with the option of machinist or numerical control programmer, manufacturing technology/management with options in numerical control programmer, machine operator, or computer aided design. The objective of the curriculums is to prepare students for gainful employment in machine shops, tool rooms, and instrument and experimental laboratories, or review and upgrade the skills of employed industrial personnel.*



Other Manufacturing: Metal Fabrication

Institution **INTERNATIONAL TECHNICAL COLLEGE (INTECH)**

Type of Institution College

Industry Other Manufacturing: Metal Fabrication

NAICS Code 325211, 325991, 3261, 331, 332, 3332, 3335

Department

Program Name

Contact

Title

Street 14767 Calvert St.

City Van Nuys

State CA Zip Code 91411

Phone 818-376-4087

Fax 818-376-4089

Email

Website <http://www.intechcollege.com>

Description *Intech College offers certification in lathe operator, computer numerical control programmer/operator, and general machinist, among other areas.*



Other Manufacturing: Metal Fabrication

Institution **LONG BEACH CITY COLLEGE**

Type of Institution College

Industry Other Manufacturing: Metal Fabrication

NAICS Code 325211, 325991, 3261, 331, 332, 3332, 3335

Department **School of Trades and Industrial Technologies**

Program Name

Contact Farley Herzek

Title Dean

Street 1305 E. Pacific Coast Highway

City Long Beach

State CA

Zip Code 90806

Phone 562-938-3057

Fax 562-938-3973

Email fherzek@lbcc.edu

Website <http://departments.lbcc.edu/deptinfo.cfm?deptabbr=STIT>

Description *Long Beach City College School of Trades and Industrial Technologies offers a program certificate and/or associate in science degree in sheet metal, tool designer manufacturing technology, welding technology, machine operator/ manufacturing technology, and machine tool technology. The programs are designed to prepare students for entry-level positions in the aerospace or manufacturing industry.*



Other Manufacturing: Metal Fabrication

Institution **LOS ANGELES PIERCE COLLEGE**

Type of Institution College

Industry Other Manufacturing: Metal Fabrication

NAICS Code 325211, 325991, 3261, 331, 332, 3332, 3335

Department

Program Name

Contact Ron Smetzer

Title Dean

Street 6201 Winnetka Ave.

City Woodland Hills

State CA Zip Code 91371

Phone 818-710-4259

Fax 818-347-0551

Email

Website <http://www.lapc.cc.ca.us>

Description *The Pierce College Industrial Technology Department offers associate degrees and certificates in machine shop, computer numerical control, drafting/CAD, automotive technology, wood technology, and welding.*



Other Manufacturing: Metal Fabrication

Institution **LOS ANGELES TRADE TECHNICAL COLLEGE**

Type of Institution College

Industry Other Manufacturing: Metal Fabrication

NAICS Code 325211, 325991, 3261, 331, 332, 3332, 3335

Department **Construction, Design and Manufacturing Department**

Program Name

Contact William Elarton

Title Department Chair

Street 400 W. Washington Blvd.

City Los Angeles

State CA

Zip Code 90015

Phone 213-763-3701

Fax 213-763-5394

Email CDM@lattc.edu

Website <http://www.lattc.edu/dept/tcot/index.htm>

Description *Los Angeles Trade-Technical College offers an associate in science degree in machine shop/CNC. The program provides students training in the traditional, hand controlled tools of the machinist as well as the sophisticated skills of computer assisted design (CAD) for drawings and computer assisted manufacturing (CAM) to control production machinery. Also available is the Machine Shop/CNC Tech Prep degree program that begins in high school, progresses to an associate of science degree at LA Trade-Tech, and concludes at Cal State L.A. where a bachelor's degree is awarded.*

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Other Manufacturing: Metal Fabrication

Institution **UNIVERSITY OF SOUTHERN CALIFORNIA (USC)**

Type of Institution University

Industry Other Manufacturing: Metal Fabrication

NAICS Code 325211, 325991, 3261, 331, 332, 3332, 3335

Department

Program Name

Contact

Title

Street 3715 McClintock Avenue, GER 240

City Los Angeles

State CA

Zip Code 90089

Phone 213-740-4893

Fax 213-740-1120

Email isedept@vsoe.usc.edu

Website <http://www.usc.edu/dept/ise/>

Description *The USC Industrial and Systems Engineering Department focuses on the preparation of an "integration engineer" who can address the needs of both engineers and managers to effectively produce a product or service. This goal builds on training in the fundamentals of mathematics and basic sciences as well as training in business management, worker motivation, and resource optimization.*

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Other Manufacturing: Plastics

Institution **CERRITOS COLLEGE**

Type of Institution College

Industry Other Manufacturing: Plastics

NAICS Code 325211, 325991, 3261, 331, 332, 3332, 3335

Department

Program Name **Plastics/Composites Manufacturing**

Contact Terry Price

Title Program Coordinator

Street 11110 Alondra Blvd.

City Norwalk

State CA Zip Code 90650

Phone 562-860-2451 x2927

Fax

Email

Website <http://cms.cerritos.edu/browse/browse.asp?WID=200375&DID=2003376>

Description *The Plastics Department is designed to serve the needs of those who are 'new' to the technology as well as "experienced" professionals who wish to broaden their knowledge, keeping pace with the latest trends in the industry, and becoming competitive in a world-wide business environment. The Department offers four options in which students can choose to obtain an A.A. degree or Certificate of Achievement. The four options are: Composites Manufacturing, Composite Inspection, Plastic/Composite Tool Design, and Plastics Manufacturing. Upon completion of the program a student is prepared to work in areas of injection, compression and extrusion molding, mold laminating, plastic mold design and fabrication, as well as testing equipment set up, maintenance, and tooling.*



Other Manufacturing

Institution **SOUTHEAST REGIONAL OCCUPATIONAL PROGRAM (ROP)**

Type of Institution ROP

Industry Other Manufacturing

NAICS Code 325211, 325991, 3261, 3315, 332, 3332, 3348

Department

Program Name

Contact

Title

Street 20122 Cabrillo Lane

City Cerritos

State CA

Zip Code 90703

Phone 562-860-1927

Fax

Email

Website <http://www.southeastrop.com/>

Description *In 1968, the Southeast ROP was formed as a collaborative of ABC Unified School District and Norwalk-La Mirada Unified School District . Since that time, Southeast ROP has focused on providing quality career technical education to the adults and high school students of our community. We are proud of the service that we provide to the 13,000 students who take our classes each year. Our staff brings their expertise, quality instruction and dedication to teach students technical and workplace skills that will lead to increased student success, immediate employment, continuing education and to rewarding careers.*

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Other Manufacturing: Plastics

Institution CALIFORNIA STATE POLYTECHNIC UNIVERSITY (Cal Poly), POMONA

Type of Institution University

Industry Other Manufacturing: Plastics

NAICS Code 325211, 325991, 3261, 3315, 332, 3332, 3348

Department College of Engineering

Program Name Industrial and Manufacturing Engineering

Contact Donald White

Title Department Chair

Street Building 13, Room 266

City San Luis Obispo

State CA **Zip Code** 93407

Phone 805-756-2341

Fax 805-756-5439

Email mnoori@calpoly.edu

Website <http://www.ime.calpoly.edu/>

Description *Manufacturing engineering students are given a solid foundation in production processes and techniques, properties of materials, computers and automation, management and professional communication. These building blocks are then combined and studied as manufacturing systems and then related to the most recent manufacturing technologies. Students get lab experience in metal removal processes, forming and assembly, computer, numerical control, robotics, CAD/CAM and plastics engineering.*

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Other Manufacturing

Institution **SOCIETY OF MANUFACTURING ENGINEERS**

Type of Institution Association

Industry Other Manufacturing

NAICS Code 325211, 325991, 3261, 3315, 332, 3332, 3348

Department

Program Name

Contact

Title

Street One SME Drive

City Dearborn

State MI

Zip Code 48121

Phone 800-733-4763

Fax 313-425-3400

Email

Website <http://www.sme.org/cgi-bin/getsmepg.pl?/new-sme.html&&&SME&>

Description *In 1997, The Society of Manufacturing Engineers created the Manufacturing Education Plan, which is a joint effort between industry and education to transform manufacturing education to better prepare tomorrow's engineers to meet the accelerated technical and business advancements of the 21st century. PROJECT TITLE: Engineering Education through Vicarious Experiences. INSTITUTIONS: University of Southern California; California State University, Los Angeles. INDUSTRY PARTNERS: Jet Propulsion Laboratory, The Boeing Company, LeFiell, TRW Space and Electronics, Northrop Grumman Corporation, Hughes Electronics. SPECIAL RESEARCH PROJECT: The development of ten engineering case studies that focus on the product realization process within the context of a globally competitive market. The structure of each case will be designed to address the competency gaps identified by industry. SME also co-produces WESTEC, North America's largest annual metalworking and manufacturing exposition.*

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Other Manufacturing

Institution **SMALL MANUFACTURERS ASSOCIATION (SMA)**

Type of Institution Association

Industry Other Manufacturing

NAICS Code 325211, 325991, 3261, 3315, 332, 3332, 3348

Department

Program Name

Contact

Title

Street 1603 Don Carlos Ave.

City Glendale

State CA Zip Code 91208

Phone 818-242-7658

Fax 818-240-5441

Email

Website <http://www.schobers.com/sma>

Description *SMA represents about 800 small- and medium-sized manufacturing companies throughout the United States. SMA provides advocacy and benefits to its members, which includes assistance on gaining access to capital and other resources, contacts for expanding customer base, representation on legislation and regulatory matters, and workshops on labor and computer literacy.*



Other Manufacturing

Institution **NATIONAL TOOLING & MACHINING ASSOCIATION (NTMA)**

Type of Institution Association

Industry Other Manufacturing

NAICS Code 325211, 325991, 3261, 3315, 332, 3332, 3348

Department **Los Angeles Chapter**

Program Name

Contact

Title

Street 1219 Ganado

City San Clemente

State CA **Zip Code** 92673

Phone 949-369-7309

Fax 949-366-1057

Email

Website <http://www.lantma.org>

Description *The National Tooling and Machining Association (NTMA) is a trade organization representing the precision custom manufacturing industry throughout the United States. The NTMA's mission is to lead North America Precision Custom Manufacturers in achieving maximum business success by providing a center of knowledge emphasizing marketing, networking, finance, technology, education and government affairs. Special programs include plant tours and dinner meetings with specified subjects about the industry.*

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Other Manufacturing

Institution NTMA San Fernando Valley Chapter

Type of Institution Association

Industry Other Manufacturing

NAICS Code 325211, 325991, 3261, 3315, 332, 3332, 3348

Department San Fernando Valley Chapter

Program Name

Contact

Title

Street 1603 Don Carlos Ave.

City Glendale

State CA

Zip Code 91208

Phone 818-240-8898

Fax

Email

Website <http://www.sfmtma.org>

Description *The National Tooling and Machining Association (NTMA) is a trade organization representing the precision custom manufacturing industry throughout the United States. The NTMA's mission is to lead North America Precision Custom Manufacturers in achieving maximum business success by providing a center of knowledge emphasizing marketing, networking, finance, technology, education and government affairs. Special programs include plant tours and dinner meetings with specified subjects about the industry.*



Other Manufacturing

Institution **LA/ NTMA Training Center**

Type of Institution Association

Industry Other Manufacturing

NAICS Code 325211, 325991, 3261, 3315, 332, 3332, 3348

Department **LA Training Center**

Program Name

Contact

Title

Street 14926 Bloomfield Ave.

City Norwalk

State CA

Zip Code 90650

Phone 562-921-3722

Fax

Email

Website http://www.lantma.org/training_center.htm

Description *The National Tooling and Machining Association (NTMA) is a trade organization representing the precision custom manufacturing industry throughout the United States. The NTMA's mission is to lead North America Precision Custom Manufacturers in achieving maximum business success by providing a center of knowledge emphasizing marketing, networking, finance, technology, education and government affairs. Special programs include plant tours and dinner meetings with specified subjects about the industry.*

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Other Manufacturing

Institution **Ontario/ NTMA Training Center**

Type of Institution Association

Industry Other Manufacturing

NAICS Code 325211, 325991, 3261, 3315, 332, 3332, 3348

Department **Ontario Training Center**

Program Name

Contact

Title

Street 1717 S. Grove Avenue

City Ontario

State CA Zip Code 91761

Phone 909-947-9363

Fax 909-947-7993

Email

Website

Description *The National Tooling and Machining Association (NTMA) is a trade organization representing the precision custom manufacturing industry throughout the United States. The NTMA's mission is to lead North America Precision Custom Manufacturers in achieving maximum business success by providing a center of knowledge emphasizing marketing, networking, finance, technology, education and government affairs. Special programs include plant tours and dinner meetings with specified subjects about the industry.*

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Other Manufacturing

Institution **Orange County/ NTMA Training Center**

Type of Institution Association

Industry Other Manufacturing

NAICS Code 325211, 325991, 3261, 3315, 332, 3332, 3348

Department **Orange County Training Center**

Program Name

Contact

Title

Street 3036 Enterprise Street

City Costa Mesa

State CA

Zip Code 92626

Phone 714-545-3202

Fax

Email

Website <http://www.educationdepartment.org/info/398671>

Description *The National Tooling and Machining Association (NTMA) is a trade organization representing the precision custom manufacturing industry throughout the United States. The NTMA's mission is to lead North America Precision Custom Manufacturers in achieving maximum business success by providing a center of knowledge emphasizing marketing, networking, finance, technology, education and government affairs. Special programs include plant tours and dinner meetings with specified subjects about the industry.*



Other Manufacturing

Institution **THE SOCIETY OF THE PLASTICS INDUSTRY, INC. (SPI)**

Type of Institution Association

Industry Other Manufacturing

NAICS Code 325211, 325991, 3261, 3315, 332, 3332, 3348

Department

Program Name

Contact

Title

Street 1667 K St., NW, Suite 1000

City Washington DC

State

Zip Code 20006

Phone 202-974-5200

Fax 202-2967005

Email

Website <http://www.plasticsindustry.org/>

Description *Founded in 1937, The Society of the Plastics Industry, Inc., is the trade association representing one of the largest manufacturing industries in the United States. SPI's members represent the entire plastics industry supply chain, including processors, machinery and equipment manufacturers and raw materials suppliers. The U.S. plastics industry employs 1.1 million workers and provides more than \$379 billion in annual shipments.*

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