CENTER FOR A COMPETITIVE WORKFORCE

AUTOMOTIVE TECHNICIAN
REGIONAL PROGRAM ADVISORY MEETING

Los Angeles Community College Program Look Book

POWERED BY

California Community Colleges

atl Advanced Transportation and Logistics

LAEDC LOS ANGELES COUNTY ECONOMIC DEVELOPMENT CORPORATION
Collectively Advancing Opportunity and Prosperity for All

In partnership with the Center for a Competitive Workforce, the Regional Directors of Employer Engagement, and the Los Angeles County Economic Development Corporation

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MEETING AGENDA

Date and Time	November 6, 2020 from 9-11am
Occupation	Automotive Technician
Opening Remarks	Welcome and Introductions | Isabel Duran, LAEDC Sector Overview | Katie Mishler, Regional Director Center for a Competitive Workforce | Richard Verches, CCW
Discussion Moderated by Claire Anderson and Jessica Ku Kim	Topics: - Workforce core competencies and needs - Industry trends and COVID-19 - Entry-level talent and career pathways - Electric Vehicle industry trends and opportunities
Curriculum Review	Colleges represented include: - Cerritos College - Citrus College - Compton College - East Los Angeles College - El Camino College - Glendale Community College - Los Angeles City College - Los Angeles Pierce College - Los Angeles Trade Technical College - Pasadena City College - Rio Hondo College
Closing Remarks	Next Steps and Adjournment | Claire Anderson, LAEDC

CENTER FOR A COMPETITIVE WORKFORCE

Mission

Center for a Competitive Workforce (CCW) was established in 2017 as a Strong Workforce Program regional project of the 19 community colleges in the Los Angeles region in collaboration with the LA/OC Center of Excellence for Labor Market Research (COE) hosted at Mt. San Antonio College and the Los Angeles County Economic Development Corporation (LAEDC).

In partnership with the COE and LAEDC Institute for Applied Economics, CCW has published multiple labor market reports that analyze labor supply and demand data for middle-skill occupations in high-growth industries to inform and influence the development of new or modified career education and workforce development programs and curricula. CCW supports quarterly convenings with education, workforce, nonprofit, government and industry leaders in three of the LA region's most highly concentrated and fastest growing industry sectors of advanced transportation, bioscience and digital media/entertainment, with the co-equal goals to strengthen industry engagement with community college faculty and to connect more community college students to meaningful work-based learning opportunities, as one of the best ways to constructively prepare them for the 21st century jobs and careers in the fast-emerging and rapidly-changing knowledge-intensive industries that will drive our regional economy today and tomorrow.

CCW, in partnership with the regional directors for employer engagement, is piloting seven regional advisory committees to further strengthen regional alignment of and ongoing connections between faculty and industry. CCW has developed two online platforms: a biosciences industry portal and a regional Workforce and Education Partner Portal that employs technology to increase the speed and richness of industry-college connections, to seamlessly access and deploy the economic intelligence gleaned through industry engagement, and to rapidly expand and scale the number of work-based learning and employment opportunities for career education students and graduates with certificates and degrees.

Learn more at www.CompetitiveWorkforce.LA.

California Community Colleges

LAEDC LOS ANGELES COUNTY ECONOMIC DEVELOPMENT CORPORATION

Funded by the California Community Colleges Chancellor's Office under the Strong Workforce Program (SWP) as a Los Angeles Regional Project.

The Los Angeles County Economic Development Corporation (LAEDC) was founded in 1981 as a nonprofit, public-benefit organization to harness the power of private sector in collaboration with L.A. County, to guide economic development and create more widely shared prosperity. LAEDC collaborates with all stakeholders in the region including education, business, and government. Learn more at www.LAEDC.org.

Contact Information

Richard Verches, Executive Director, Center for a Competitive Workforce
Verches@verizon.net

Jessica Ku Kim, Senior Director of Workforce Development, LAEDC
Jessica.Kim@LAEDC.org

Claire Anderson, Workforce Development Program Manager, LAEDC
Claire.Anderson@LAEDC.org

Isabel Duran, Administrative Manager, LAEDC
Isabel.Duran@LAEDC.org

REGIONAL DIRECTORS OF EMPLOYER ENGAGEMENT

Regional Directors play a key role in implementing activities and achieving outcomes for their designated sector by working with community colleges in the designated region to strengthen connections between career education and business and industry.

The Regional Directors develop partnerships with business and industry, working closely with key talent including Regional Chairs, Centers of Excellence, Technical Assistance Providers, Pathway Coordinators, Statewide Directors, and other Regional Directors of Employer Engagement.

For more information regarding Regional Directors and their industry sectors, use the following link:

www.laocrc.org/member-resources/rdee

Los Angeles County Regional Directors

Bruce Noble, Energy, Construction and Utilities
Bruce.noble@riohondo.edu

Charlotte Augenstein, Information and Communication Technology (ICT) and Digital Media
Charlotte@Glendale.edu

Judy Fox, Business and Entrepreneurship
Jfox@cerritos.edu

Katie Mishler, Advanced Transportation and Logistics
Kmishler@cerritos.edu

Ozzie Lopez, Health
Olopez63@mtsac.edu

Ruth Amanuel, Global Trade
Ramanuel@lbcc.edu

Shari Herzfeld, Health
Sherzfeld@riohondo.edu

INDUSTRY REPRESENTATION

Adam Robertson, Senior Director at LA Metro

Adam leads a team of 70 mechanics, service attendants and shop support personnel, who manage and maintain a fleet of over 1800 vehicles and equipment. His Department spans 14 locations throughout the LA Basin, including the San Gabriel and San Fernando Valleys. The fleet makeup is quite diverse: trucks up to and including Class 8, hi-rail vehicles, rail bound equipment, pickups, sedans, SUVs, trailers, generators and construction equipment. Adam spent a career in the Marines and Honorably Retired as a Gunnery Sergeant in 2005. Prior to joining LA Metro, he spent time with UPS, FedEx Ground and First Group. He holds a Master of Business for Veterans (MBV) from the University of Southern California and is a certified Lean Six Sigma Green Belt.

Bob Smith, Executive Director at the Greater Los Angeles New Car Dealers Association (GLANCDA)

Bob is an Automotive Trade Association Executive (ATAE) and has worked as the Greater Los Angeles New Car Dealer Association (GLANCDA) Executive Director since 2012. His Automotive Industry experience dates back to 1987. In his current role he is responsible for Industry, Public and Government relations for Los Angeles County New Car Dealers, with its 170 members. Bob is also responsible for Workforce Development of automotive student technicians and bridging Industry and Education.

David Munoz, Automotive Fleet Supervisor at UPS

David has worked in Automotive in some capacity his entire working career. He worked for Great Dane Trailers as a manager of the PDC Facility from 1995 until 2014. David accepted a position with UPS Automotive in February 2015. He is working toward achieving the goal of a bachelor's degree in Police Science.

Dominick San Angelo, Operations Manager at Centerra Integrated Services

Dominick is the Operations Manager for Centerra fleet, whose mother company is Constellis, a world wide government contractor with more than 27,000 employees. His family was in the auto wrecking business, so he has been in this industry his whole life and career. Dominick started as a technician with Ford Motor Company and has also worked as the service manager at a local dealership and fleet service manager of a transportation company that was contracted with Metrolink services. He has experience in retail, fleet and the new fleet tail, and supervises up to 200 employees in his current role.

Eric Winterset, Superintendent of Maintenance at the City of Long Beach

Eric has been in this industry for 22 years, namely in Heavy Duty and Bus-focused roles. He is in his 5th year as a Maintenance Superintendent for the City of Long Beach, and previously had worked at Ryder Transportation for 11 years and Golden Empire Transit for 6 years. The City of Long Beach has approximately 2200 vehicles and equipment. The make up of vehicles range from PD, Fire, Refuse, to boat and helicopters. Eric has a Business Administration Degree from the University of Phoenix. In this photo, he is watching first-hand what an Atomic-Forged process looks like as it strengthens rotor durability.

Laura Iannacone, Environmental Initiatives Manager at the County of Los Angeles

Laura Iannaccone joined the County of Los Angeles' Internal Services Department with the Energy and Environmental Services (EES) Team in 2019. She serves as the Manager of EES' Clean Transportation and Energy Programs and is working to meet the County's Sustainability goal of installing approximately 1,000 electric vehicle charging stations a year through 2035. Previous to joining EES, she worked in various roles with the City of New York to meet it PlaNYC energy efficiency and greenhouse gas reduction goals. Laura has over 20 years of experience working at local and multilateral levels on various environmental and sustainable development initiatives.

Meera Pisharody, In Charge of HR at Canoo, Inc.

Meera has over 20 years of experience in technology and people-operations, including helping organizations plan and solve for their long term workforce needs. She has extensive global experience in leading organizational transformations and is passionate about integrating strategic thinking with a collaborative problem-solving approach, while focusing on people, process and technology.

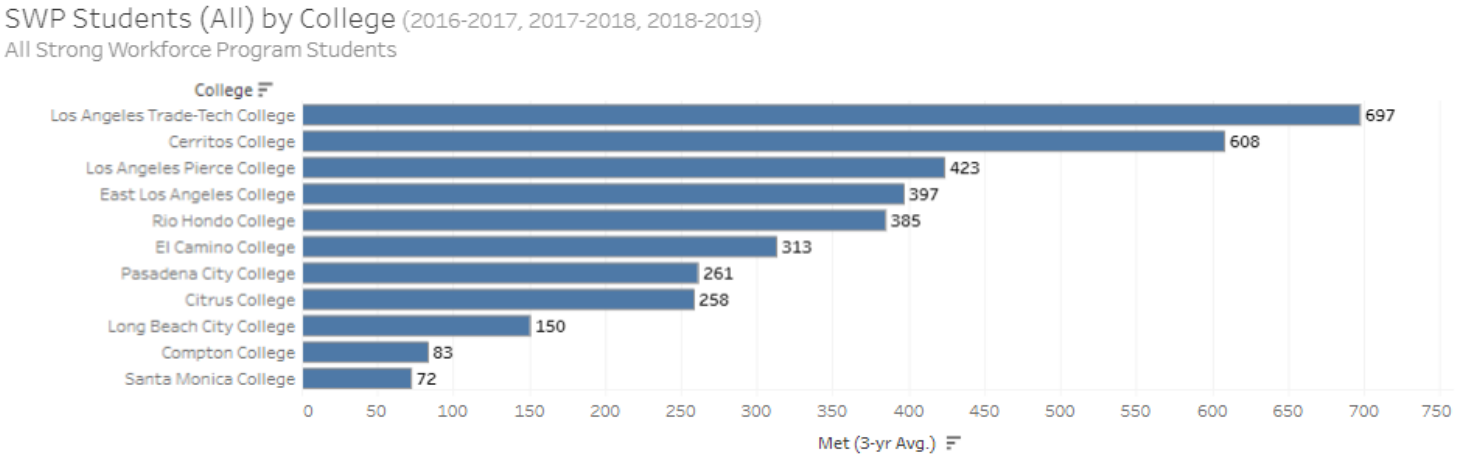
COMMUNITY COLLEGE PROGRAM DATA

The Centers of Excellence (COE) for Labor Market Research deliver regional workforce research and technical expertise to California Community Colleges for program decision making and resource development. This information has proven valuable to colleges in beginning, revising, or updating economic development and Career Education (CE) programs, strengthening grant applications, assisting in the accreditation process, and in supporting strategic planning efforts.

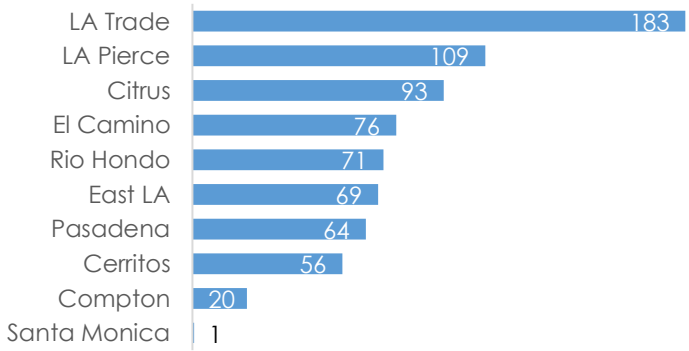
The Centers of Excellence Initiative is funded in part by the Chancellor's Office, California Community Colleges, Economic and Workforce Development Program. The Centers aspire to be the leading source of regional workforce information and insight for California Community Colleges. More information about the Centers of Excellence is available at www.coeccc.net.

For more information about the COE, contact: Luke Meyer, Director of the Los Angeles/Orange County Center of Excellence hosted by Mt. San Antonio College, at Lmeyer7@mtsac.edu or (909) 274-6106.

Automotive Technology 3-Year Average Student Enrollment Data



Automotive Technology Latest 3-Year Average Completions



COMMUNITY COLLEGE REPRESENTATION

- Cerritos College
- Citrus College
- Compton College
- East Los Angeles College
- El Camino College
- Glendale Community College
- Los Angeles City College
- Los Angeles Pierce College
- Los Angeles Trade Technical College
- Pasadena City College
- Rio Hondo College

Cerritos College

Program Name(s)	Automotive Mechanical Repair
Website	www.cerritos.edu/auto
Competencies Focus	For 30 years, Cerritos College has had one of the most successful Automotive Training Programs in the region. Today, we are one of the most comprehensive Automotive Training Centers in the country. Cerritos College offers certificates, degrees and special programs in automotive repair, collision repair, alternative fuels, smog training, advanced transportation technology and automotive management. Our most popular programs are the nationally authorized technician programs for General Motors, The Ford Motor Company, Chrysler and various import manufacturers. The programs prepare students for the workforce by providing classroom and hands-on instruction as well-paid on-the-job training. In addition, Cerritos College operates an Advanced Transportation Technology & Energy Center (ATTE) partially subsidized by the state to encourage the development of alternative fuel sources. Just recently, Cerritos College became California's CTE Strategic Hub for developing secondary and post-secondary pathways in alternative fuels. Programs under this initiative start at the high school level and filter into industry of alternative fuels. Certificates include: General Technician, Manufacture Specialty (GM ASEP, Ford ASSET, Chrysler CAP, and ITTP), Electrical/Diagnosis Technician, Automotive Management, Engine/Machining Technology, Alternative Fuels Service Technician.
Cohort Size	24
Hiring Timeframe	Following the Fall semester for GM ASEP and Chrysler CAP. Following the Spring semester for Ford ASSET and the Import Technician Training Program (ITTP).

For more information, contact Joe Mulleary, Department Chair at jmulleary@cerritos.edu or (562) 860-2451 ext. 2938.

Citrus College

Program Name(s)	Automotive Technology
Website	www.citruscollege.edu/academics/programs/auto/Pages/default.aspx
Competencies Focus	These programs offer full-time employment as an entry-level service technician during your second year of training. Industry supports the programs with donated equipment, tools, service manuals, teaching aids and textbooks. Specialized training classes are also available if you wish to upgrade or hone your skills for job advancement and pay increase. Business partnerships with the Automotive Service Council (ASC) and Toyota/Lexus ensure that our students work with an array of vehicles and state-of-the-art equipment. Students practice live work in addition to classroom learning. The Automotive Technology Program at Citrus College is also certified by NATEF and is held to rigorous academic standards. All four of our full-time instructors have worked in the automotive industry and are ASC Master Technicians that have partnered with business leaders in the community to provide paid internship opportunities for our students.
Hiring Timeframe	Citrus' Automotive Technology Program has an excellent relationship with the automotive industry and works actively to place its graduates. Most of Citrus' automotive programs have experienced close to 100 percent placement of their graduates over the last several years. As a skilled technician, you may apply your specialized knowledge in a particular area. As an owner of a small service business your expertise may be required in all areas. You may work in a large dealership, at an independent garage, in a specialty shop or for a mass merchandiser. Support businesses such as parts stores and machine shops also need your technical knowledge and skills.

For more information, contact Priscilla Englert, Instructor at penglert@citruscollege.edu.

Compton College

Program Name(s)	Automotive Technology
Website	www.compton.edu
Competencies Focus	ASE A1-A8
Cohort Size	10-15
Hiring Timeframe	Following the Spring semester

For more information, contact Gary Narusawa at gnarusawa@compton.edu.

East Los Angeles College

Program Name(s)	Automobile Technology
Website	www.elac.edu
Competencies Focus	The Automobile Technology Program at East Los Angeles College offers advanced auto repair courses, in a state-of-the-art-facility, with stackable certificates and a two-year degree: Undercar Skills Certificate, Automotive Customer Service Management Skills Certificate, Cooling Systems and Climate Control Specialist, Drivetrain Specialist, Engine Performance and Drivability, and Automobile Certificate of Completion. Hybrid/Electric Service and Safety Course. Short-term (5 week) courses available and 16 weeks. Faculty members work closely with industry to ensure learning objectives meet their needs. Visit us on Instagram at #elacauto.
Cohort Size	20-25
Hiring Timeframe	After one semester in some cases. Some students prefer to go to work after they finish the program. Generally: 3 months to 1 year.

For more information, contact Adrian Banuelos, Department Chair at banuela@elac.edu or (323) 265-8726.

El Camino College

Program Name(s)	Automotive Technology
Website	www.elcamino.edu/academics/indtech/autotech
Competencies Focus	The automotive technology program prepares students for employment in the field and provides upgrade opportunities for currently employed personnel. By completing the degree or certificate requirements, the student will gain proficiency in safety practices, automotive service, testing, troubleshooting, brakes, suspension, wheel alignment, engine tune-up, electrical systems, fuel systems, emission systems, transmissions, drive trains, engine repair, engine rebuilding, automotive machining, or air conditioning. Competencies will be assessed regularly in accordance with Automotive Service Excellence (ASE) standards. A student completing degree or certificate requirements may expect to enter industry as a technician in automotive service, repair, tune-up, or automotive air conditioning.
Hiring Timeframe	Spring semester

For more information, contact Edward Matykiewicz, Instructor at ematykiewicz@elcamino.edu or (310) 660-3600 ext. 3309.

Glendale Community College

Glendale Community College does not have an Automotive Technician program at this time. For more information about their programs, contact Adjunct Academic Counselor Cynthia Vazquez, M.S. at cvazquez@glendale.edu.

Los Angeles City College

Los Angeles City College does not have an Automotive Technician program at this time. For more information about their programs, visit www.lacitycollege.edu.

Los Angeles Pierce College

Program Name(s)	Automotive Service Technology
Website	www.piercecollege.edu
Competencies Focus	Includes: - Basic knowledge and skills for maintenance and repair of brakes and suspension systems. - Knowledge and skills for maintenance and repair of electrical and electronic systems. - Knowledge and skills for maintenance and repair of Powertrain and drive line systems. - Knowledge and skills for maintenance and repair of Emission systems and Climate-comfort control systems. - Knowledge of automotive technician performance applications.
Cohort Size	20-25
Hiring Timeframe	Hiring is ongoing throughout the semester. New car dealer association job fairs as well as school job fairs. Many if not most who want to be employed in industry are working prior to graduation.

For more information, contact:

- Tom Fortune at fortunta@piercecollege.edu or (661) 904-9367, or
- Alex Villalta at villalha@piercecollege.edu or (818) 400-9917

Los Angeles Trade Technical College

Program Name(s)

- Automotive and Related Technology (AS/C)
- Automotive and Related Technology: Tune-up (C)
- Automotive and Related Technology: Transmission C)

Website www.lattc.edu/ATM

Competencies Focus

Program Description

Los Angeles' long-time infatuation with the motorcar has made it a leading center in automotive design. Employment opportunities continue to thrive, and the demand for trained automotive technicians in the field continues to increase. The Automotive and Related Technology program trains students to work as professionals in this field, offering instruction in maintenance, diagnosis and overhaul procedures of electrical and fuel injection systems.

By fulfilling the program requirements, students will have gained the skills necessary to maintain, repair, and diagnose electrical, fuel injection systems, and overhaul procedures, as well as basic shop practices needed to meet industry standards.

Career Options

Some of the typical career options are automotive technician, service advisor, master automotive technician, transmission technician, tune-up technician, service writer, parts specialist, fleet services supervisor, and service manager.

Industry Certifications

As part of the program, students can earn industry certifications:

- ACDelco Certifications
- Alldata Information Specialist Certification
- ASE Education Foundation Certifications
- Mobile Air Conditioning Society – MACS 609
- S/P2 Automotive Service Safety
- S/P2 Automotive Service Pollution Prevention

Award Requirements

To earn an Associate in Science degree students should complete the 36 units of Required Courses with a "C" or better in each course, and general education units under the General Education Graduation Plan. Information on the General Education unit requirements and course may be found in the catalog under Graduation Requirements.

Knowledge and Abilities

Upon completion of the Degree/Certificate program, students are able to:

- Diagnose and repair various types of vehicles using tools and equipment in accordance with industry standards and NATEF safety.
- Students will demonstrate problem solving skills and technical skills in the automotive industry.
- Write vehicle repair estimates in accordance with NATEF standards.

Cohort Size 100

Hiring Timeframe The hiring timeframe is primarily the end of the Fall and Spring semesters. However, we have students available for internships and employment (part-time and full-time) opportunities throughout the year.

Program Name(s) Automotive Collision Repair (AS/C)

Website www.lattc.edu/ATM

Competencies Focus Program Description

Los Angeles is a leading collision capital center in the automotive design world. Insurance companies are increasingly demanding Auto Collision Technicians trained in damage cost estimations. Technicians use highly sophisticated devices, such as laser for straightening frames, computer for mixing paint, and dust control contamination vacuum tools for smoothing paint. This program includes DuPont Paint Systems Certificate of Achievement for Rule 1151 of the South Coast Air Quality Management District (SCAQMD).

By fulfilling the program requirements, students are proficient in a variety of automotive collision techniques and will have the knowledge and skills necessary to maintain, repair, and diagnose body and fender repairs.

Career Options

Some of the typical career options are estimator, adjust/appraiser, custom painter, paint & body equipment, body repair frame technician, and retailer.

Industry Certifications

As part of the program, students can earn industry certifications:

- ASE Education Foundation Certifications
- I-CAR
- S/P2 Collision Repair and Refinish Safety

- S/P2 Collision Repair and Refinish Pollution Prevention

Award Requirements

To earn an Associate in Science degree students should complete the 36 units of Required Courses with a "C" or better in each course, and general education units under the General Education Graduation Plan. Information on the General Education unit requirements and course may be found in the catalog under Graduation Requirements.

Knowledge and Abilities

Upon completion of the Degree program, students are able to:

- Identify and repair a variety of vehicle bodies with different frame types, components, and structure chemistries while adhering to industry standard procedures.
- Refinish collision repairs on a vehicle using various paints, primers, sealers, and tools according to I-CAR and ASE standards.
- Create collision repair estimates using industry recognized computer software in accordance with industry standards.

Cohort Size 30

Hiring Timeframe The hiring timeframe is primarily the end of the Fall and Spring semesters. However, we have students available for internships and employment (part-time and full-time) opportunities throughout the year.

Program Name(s) Hybrid & Electric Plug-In Vehicle Technology (C)

Website www.lattc.edu/ATM

Competencies Focus Program Description

The courses listed in this certificate compile a comprehensive list of job-related skills needed to acquire hybrid and electric plug-in vehicle maintenance and repair technical skills. They cover basic, intermediate and advanced level training of these vehicles including the different configurations used in the automotive, transit and trucking industries. These skills will prepare an individual for entry level employment or career advancement in the maintenance and repair of hybrid vehicles in all sectors of the transportation industry.

Career Options

Some of the typical career options are hybrid technician, electric vehicle technician, automotive technician, and service advisor.

Industry Certifications

As part of the program, students can earn industry certifications:

- Alldata Information Specialist Certification
- ASE Certifications
- S/P2 Automotive Service Safety
- S/P2 Automotive Service Pollution Prevention

Award Requirements

Requirements for the Certificate of Achievement may be met by completing 12 units of Required Courses with a "C" or better in each course.

Knowledge and Abilities

Upon completion of the Certificate program, students are able to:

- Identify and explain the operations of alternative fuel and hybrid electric vehicles and related safety standards.
- Diagnose and repair alternative fuel and hybrid electric vehicles using specialty tools and equipment in accordance with industry standards.

Cohort Size 20

Hiring Timeframe The hiring timeframe is primarily the end of the Fall and Spring semesters. However, we have students available for internships and employment (part-time and full-time) opportunities throughout the year.

For more information, contact Marvin Da Costa, Pathway Navigator at dacostmb@lattc.edu or (213) 763-5522.

Pasadena City College

Program Name(s)	Automotive Technology
Website	https://pasadena.edu/academics/divisions/business-engineering-technology/engineering-and-technology/automotive.php
Competencies Focus	The All Automotive Systems Certificate of Achievement is the broadest of our certificates, offering a strong foundation in the major concepts and skills of automotive technology. Upon successful completion of the curriculum you receive one year of industry credit towards your ASE credential. The program has NATEF Student Certification Exams that are part of the curricula, which helps with the mastery of the National ASE test. With a strong Automotive Advisory Board & ASCCA (Automotive Service Council of CA) membership we offer an excellent opportunity for career placement. General service and repair training in all automotive areas for all makes and models. Strong industry partnerships with local independent shops, dealerships, and fleet yards.
Cohort Size	20
Hiring Timeframe	Part time hiring is recommended. Full time is following the Spring semester for certificate students. AS Degree + certificate is dependent on graduation of student.

For more information, contact Wendy Lucko, Instructor at wllucko@pasadena.edu or (626) 585-3266.

Rio Hondo College

Program Name(s)

- Associate of Science degree in advanced engine performance, alternative fuels, and advanced transportation technology, automotive technology.
- Certificate of achievement in advanced engine performance, advanced engine performance tech, alternative fuels and advanced transportation technology, general automotive service, brake and suspension services, diesel fuel, and emission systems.

Website

- https://www.riohondo.edu/autotechbachelor/
- https://www.riohondo.edu/career-and-technical-education/automotive-tech/

Competencies Focus

- Advanced Engine Performance: The courses listed in the Associate of Science Degree are comprised of a comprehensive list of job skills needed to work in the specialized field of Automotive Advanced Engine Performance Diagnostics. The skills developed during lecture and lab will enhance the student's ability to complete the industry recognized Automotive Service Excellence (ASE) Certification Tests A6 (Electrical/Electronic Systems), A8 (Engine Performance), and L1 (Advanced Engine Performance). The degree is designed to prepare an individual for transfer and/or entry-level employment as an Automotive Engine Performance Diagnostic Technician.
- Alternative Fuels & Advanced Transportation Technology: This degree prepares students and incumbent employees as technicians specializing in alternative fuels and advanced transportation technology. Training is in theory and practical skills. Directed practical work is given in all fuel areas, compressed and biodiesel, under simulated on-the-job conditions. The program will provide the student with the opportunity to acquire the knowledge and hand skills demanded of modern transportation specialists.
- Automotive Technology: The courses listed in the Associate of Science Degree are comprised of a comprehensive list of job skills needed to enter the automotive field. The skills developed during class will enhance the student's ability to complete the industry-recognized—Automotive Service Excellence (ASE) Certification Tests A-1 through A-8, Automotive Technician. The degree is designed to prepare an individual for transfer and/or entry level employment as an Automobile Technician. To acquire the Associate of

	Science Degree in Automotive Technology, students must complete the required major courses below with a grade of "C" or better along with one of the following: Río Hondo College General Education and Proficiency requirements, California State University General Education Breadth (CSU GE), or Intersegmental General Education Transfer Curriculum (IGETC).
Cohort Size	50-200
Hiring Timeframe	We can refer students and alumni throughout the year; however, Fall is our most significant cohort, and Spring is equally extensive. Summer is usually a smaller cohort.

For more information, contact Eric Olson, Instructor at eolson@riohondo.edu.