



CERTIFY *Your* CAREER

Certificate programs at Chabot College:
Start a new career in as little as 15 units!

- » Automotive
- » Business
- » Digital Media
- » Early Childhood Development
- » Engineering
- » Information Technology
- » Office Administration
- » Real Estate
- » And More!



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INTRODUCTION

Chabot College: Certify Your Career

Are you looking to start a career but don't want to spend four years or more getting a degree? Are you looking to improve your skills to help you advance in your current job? Is there a new and exciting field that you would like to explore? If any of these describe what you're looking for, Chabot College has a program for you. This guide will help you explore potential careers in a variety of fields that do not require a degree, although some do offer Associates degrees should you want to continue.

The Certify Your Career Guide is aligned to Chabot's six Learning and Career Pathways:

- Health and Wellness
- Art and Design
- Business and the Economy
- Science and Mathematics
- Society, Culture, and Ideas
- Industrial Information and Applied Technology

The certificates within the guide include Certificates of Proficiency and Certificates of Achievement ranging from 9 units to more than 43. Some prepare you for State exams, such as the Real Estate Agent Certificate of Proficiency, others will teach you specific skills that employers are looking for like welding or paralegal studies.

No matter what your area of interest is, please be sure to work closely with a counselor to determine the best course of study to get you career ready.

We look forward to helping you reach your career goals.

HEALTH & WELLNESS





MEDICAL/HEALTH

Medical Assisting

Certificate of Achievement | 34 units

Graduates of the Medical Assisting programs at Chabot College will have an opportunity to apply for employment as Medical Assistants in an ambulatory care setting. Job titles include medical assistant, medical receptionist, certified medical assistant, scheduler, and medical office assistant. According to 2019 Labor Market Data report, there will be a 14% increase in annual openings for medical assistants from 2018 to 2023 in the Bay Area Region.

Health Care Administrator

Certificate of Achievement | 18 units

Employment of healthcare occupations is projected to grow 18 percent from 2016 to 2026, much faster than the average for all occupations adding 2.4 million new jobs. This growth is mainly due to an aging population, leading to greater demand for healthcare services. Simply put, there are great healthcare management opportunities for qualified candidates. Chabot's Healthcare Management program is the only program of its type among community colleges in the Bay Area. The program is specifically designed for those currently working in any healthcare position that would like to advance into management. It's also very helpful for those working outside of healthcare, but in relevant fields such as accounting, information technology, secretarial or office management, social work, human resources, and other fields that would like to transition to the rapidly growing field of healthcare.

Health Information Coding

Certificate of Achievement | 31 units

A Health Information Medical Coder is an individual who analyzes medical records and assigns codes to index diagnoses and produces to support clinical care; to assist medical research in hospitals, physician's offices, clinics and other health care facilities; and to provide information for reimbursement purposes. Codes are used by institutions for quality assurance activities and case mix management. A Health Information Medical Coder is an important member of the health care team and contributes in varied health care settings, both inpatient and outpatient. Per December 2019 Labor Market Information (LMI) data, there are approximately 3,710 annual openings in the Bay Region and 1,019 annual opening in the East Bay Sub-region. Careers include Medical Records and Health Information Technicians, Medical Secretaries and Data Entry Keyers.



DENTAL HYGIENE



Dental Radiation Safety Certificate of Achievement | 30.5 Units

The X-Ray Certificate will allow students who successfully complete the first year of the Dental Hygiene Program Curriculum to be able to take x-rays and work as a Dental Assistant in a dental office. Students must be enrolled in the Dental Hygiene Program. "In California, the number of Dental Assistants is expected to grow much faster than average growth rate for all occupations. Jobs for Dental Assistants are expected to increase by 16.5 percent, or 8,100 jobs between 2016 and 2026."



FITNESS



Fitness Instructor

Certificate of Achievement | 26 units

Graduates of this program will be qualified to work as professionals as a personal trainer and/or group exercise instructor. Successful completion of this certificate of achievement will gain the knowledge needed to prepare them to take industry standard national certifications such as ACE (American Council on Exercise), ACSM (American College of Sports Medicine), and NASM (National Academy of Sports Medicine).

Pathway to Sports Injury Care

Certificate of Achievement | 21 Units

This program combines academic, laboratory and clinical experience to prepare students for further study or to obtain employment as an entry-level rehabilitation/allied health care professional. Completing this certificate may facilitate the student's transfer to a four-year college and/or professional program specializing in the areas of athletic training or physical therapy.



PUBLIC AND COMMUNITY HEALTH



Behavioral Health

Certificate of Achievement | 16-18 Units

This program is designed to provide entry-level skills to work in human service positions and/or provide an applied foundation for further education in a variety of industries, including (but not limited to) counseling, psychology, social work, social justice work, and health care. Some job titles for positions in the Social and Human Service Assistant job category include: advocate, outreach specialist, community coordinator, social services coordinator, case management assistant, human services assistant, resource coordinator, social services assistant, independent living skills specialist, youth advocate, case worker, shelter advocate, community support specialist. Occupational demand in the East Bay for employees in this sector during 2018-23 is projected to grow 12%, with approximately 2,511 openings. The median hourly wage is \$20 per hour.



ARTS & DESIGN



APPLIED ARTS



Applied Ceramics

Certificate of Achievement | 19 Units

Based on all available data, there appears to be an under-supply of Applied Design workers in the Bay Area. Career Opportunities include work in the field Applied Ceramic Design. Job titles include: Molders, Shapers, Casters, Potters, Sculptors and Craft Artists. Demand will increase over the next 5 years for Molders, Shapers, and Casters by 4%; demand over the next 5 years for Sculptor and Potter will increase by 2%. The highest rise in demand over the next 5 years is for Craft Artists at 7%.





ARCHITECTURE & INTERIOR DESIGN

Architecture

Certificate of Achievement | 38 Units

This certificate of achievement is designed to prepare students for employment with Architects, Landscape Architects, Developers, Drafting Technician, Interior Designers, General Contractors, Building Material Specification, Historic Preservation, Government Agencies, Civil Engineer and Structure Engineer. It is also designed as basic coursework for transferring into advanced degree programs in architecture and related fields.

Interior Design (Residential)

Certificate of Achievement | 40 units

This certificate prepares students to design and focus on residential solutions to real design problems. The certificate emphasizes space planning, creative problem-solving, communication skills, knowledge of building materials and construction, furnishings, presentation, conventional and computer aided design drafting, and the history of design.

Kitchen and Bath Design

Certificate of Achievement | 31 units

The Interior Design Program works closely with the National Kitchen and Bath Association (NKBA) to assure adherence to kitchen and bathroom guidelines and accessibility standards. The certificate in Kitchen and Bathroom specifically promotes program development in terms of successful course completion, alternative basic skills and enhanced workforce development. Furthermore, the completion of our course requirements for the certificate of achievement, will prepare students for the Associate Kitchen & Bath Designer (AKBD) exam, which will facilitate a smooth transition between academia and the workforce. Many of the students studying Interior Design at Chabot College are student members of the NKBA Northern California Chapter. Our program strongly supports our students to attend the monthly NKBA Chapter meetings which fosters the development of the Kitchen Bathroom industry network.

COMMERCIAL MUSIC



Audio Recording

Certificate of Achievement | 16 Units

Completion of this certificate, while not a requirement to entry into the music industry, will provide students with a solid foundation for primarily freelance and project-based work. This includes but is not limited to the following areas: music recording, music mixing, audio editing, and live concert sound reinforcement. With Labor market research showing an undersupply of Audio Recording workers, teaching students foundations for relevant vocational training in the new music industry guides their chances towards filling employment positions. As such, the Music Recording & Technology program at Chabot College seeks to provide students with a broad, dynamic package of courses and completion options. This will provide the best possible points of departure for becoming our future sound engineering technicians, Audio/Video equipment technicians and a wide variety of other audio career pathways that are in need in today's music industry.

Music Production

Certificate of Achievement | 16 Units

Career opportunities for which this program would provide include, but are not limited to: music producer/composer, sound design, game audio, audio for visual media and performing musician from which labor market research shows is undersupply with an annual gap of about 589 students in the Bay region and 134 students in the East Bay Sub-Region. Career opportunities are largely freelance or project-based.

DIGITAL MEDIA/ PHOTOGRAPHY



Graphic Design

Certificate of Achievement | 21 units

Graphic designer, Web designer, UI designer, Art director, Creative director, Marketing specialist, Software applications designer, Marketing content creator, Public relations designer, Multimedia artist, Commercial designer, Industrial designers, Mobile designer, UI Designer, Social media designer, Publishing Designer. Labor market information suggests growth in the graphic design, and multimedia art industries between 3-9% in the next 5 years in the east bay sub-region and surrounding Bay Area.

Animation

Certificate of Achievement | 18 units

Students earning this certificate will be prepared for entry level positions as Filmmaker, Animator, Storyboard Artist, Animation Artist, Concept Artist, Character Artist, 3D Modeler, Videographer, Film Editor, Motion Graphics Designer, Producer, Director, Creative Director, Art Director, Production Coordinator. Labor market information suggests 6% growth in animation and multimedia arts with a higher median hourly wage than other digital media industries.

Filmmaking

Certificate of Achievement | 16 units

Students earning this certificate will be prepared for entry level positions as Camera Operator, Cinematographer, Director of Photography, Producer, Editor, Director, Videographer, Animator, Production Coordinator, Visual Storyteller, Digital Storyteller, and Social Video Producer, Motion Graphics Editor. Labor market information suggests 10% growth in video editing in the Bay Area region, 5% growth in camera operation, and 9% growth in producing and directing multimedia content.

Digital Photography

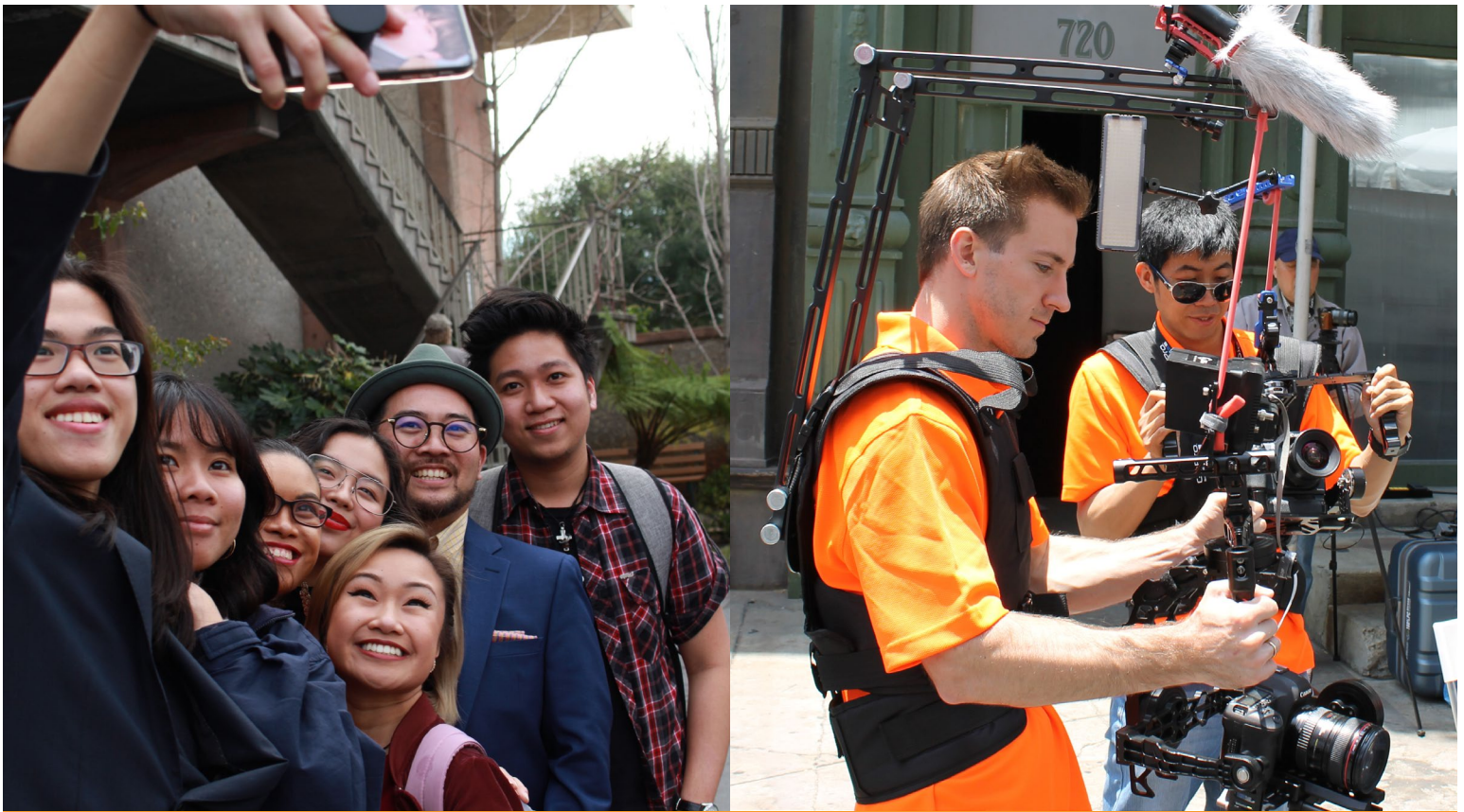
Certificate of Achievement | 19.5 units

Students earning this certificate will be prepared for entry level positions as Architectural Photographer, Commercial Photographer, Corporate Photographer, Industrial Photographer, Photojournalist, Portrait Photographer, Scientific Photographer

Digital Media Arts

Certificate of Achievement | 18 units

Students earning this certificate will be prepared for entry level positions as graphic designer, Web designer, UI designer, Art director, Creative director, Marketing specialist, Software applications designer, Marketing content creator, Public relations designer, Multimedia artist, Commercial designer, Industrial designers, Mobile designer, UI Designer, Social media designer, Publishing Designer. Labor market information suggests 6% growth in multimedia arts with a significant increase in the median hourly wage in the Bay Area region.



INFORMATION TECHNOLOGY



Information Technology

Certificate of Achievement | 22 units

Retail Salesperson, Customer Service Representative, Computer User Support Specialist, Computer Network Support Specialist, Network and Computer Systems Administrators, Computer Systems Analyst, Information Security Analyst.

Software Specialist

Certificate of Achievement | 21 units

Computer Operator, Data Entry, Digital Specialist, Technical Analyst, Web Designer, Illustrator, Digital Editor.



THEATER



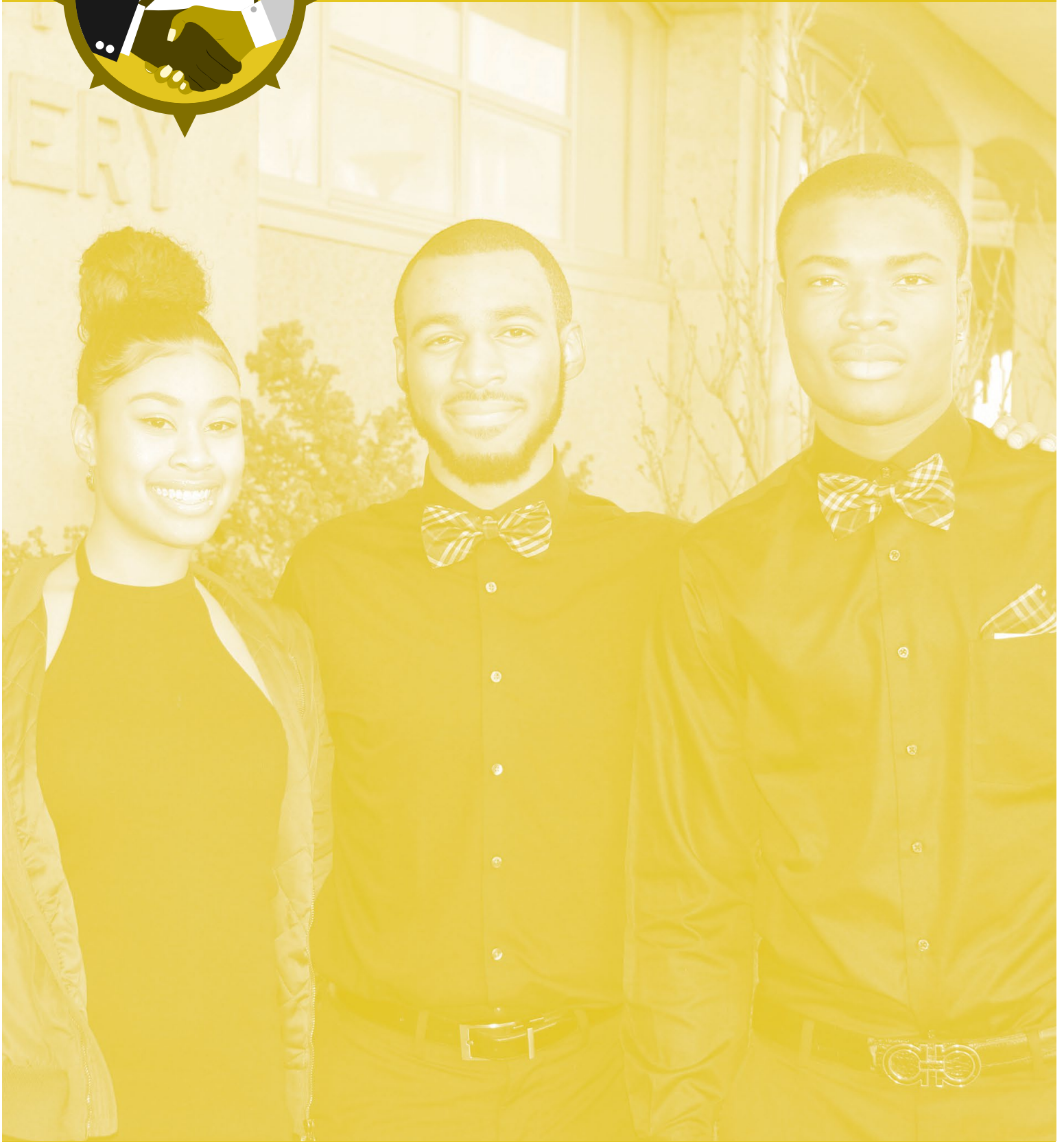
Technical Theater

Certificate of Achievement | 23 Units

According to Labor Market Information (LMI) data from April 2019, there is an under-supply of Technical Theater workers in the Bay Area with projections of increased demand in the coming years. Industries hiring Technical Theater workers in the Bay Area include motion picture and video production, theater companies, television broadcasting and colleges and universities. Employment demand shows particular needs in the areas of audio/video equipment technicians, set and exhibit designers and technical directors. Average compensation in these positions, with data that reflects the Bay Region, is about \$30/hr. Skills gained from completing the Technical Theater Certificate can lead to other work not reflected in LMI data. Builders in scene shops and exhibit/display companies, production assistants on film and television crews, stage managers for theater productions, riggers for concerts and other performance events, are all positions related to the skills learned.



BUSINESS & THE ECONOMY



BUSINESS/ MANAGEMENT



Business Administration

Certificate of Achievement | 18 units

This certificate is developed to prepare students for further study of business. All courses within the certificate are part of the Associate in Science degree in Business Administration transfer (AS-T). Thus, this curriculum completes more than a half of the undergraduate business major requirements for transfer to the CSU system. This curriculum prepares the student for further studies of business related programs or jobs that do not require degrees. The program provides a strong general business foundation for employment in business administration, accounting, management, marketing, or other business-related areas. This certificate provides a core curriculum for both employment in business and the further study of business.

Enrolled Agent (EA) Exam Preparation

Certificate of Proficiency | 14-15 units

The Certificate of Completion in Enrolled Agent (EA) Exam Preparation provides students with the knowledge that is essential for passing the Special Enrollment Examination (SEE). The exam is conducted by the Internal revenue Services (IRS) and leads to a valuable certification called Enrolled Agent. Enrolled Agent is a tax advisor who is a federally authorized tax practitioner empowered by the U.S. Department of the Treasury. Enrolled Agents represent taxpayers before the IRS for tax issues including audits, collections and appeals.



Human Resources Assistant

Certificate of Achievement | 21 - 22 units

Human resources assistants keep records of a company's employees. These records have facts, such as each worker's name, address, job title, pay, and health insurance benefits and other benefits. Every day, human resources assistants update information and answer questions about employees. They also may create reports for managers, help to hire workers, do research on the Internet to find qualified applicants for jobs, tell people about job openings, get information from job applicants about their education and work experience, give out tests and explain the company's rules, ask for references from present or past employers, call or write to applicants to tell them whether or not they got the job.

International Entrepreneur: Spanish, French, Chinese, Japanese

Certificate of Achievement | 20 units

Employment Outlook for Global Trade & Logistics and International Business and Trade Occupations: Entrepreneur, global trade and logistic worker, business consultant, business operations specialist, supply chain specialist, logistics analyst, human resource specialist, cargo and freight agent, shipping, receiving, purchasing, and traffic clerk, sales clerk.

Management

Certificate of Achievement | 18 - 19 units

This fast and flexible certificate is popular with currently employed students looking for a promotion to a supervisory or managerial position. It is also highly beneficial to current managers who wish to upgrade their skills and improve their chances for further promotion.

Marketing

Certificate of Achievement | 21 - 22 units

This flexible and quick certificate is popular among students who are searching for an entry-level position in marketing, sales, or advertising. It is also beneficial to people currently employed in the field who wish to upgrade and improve chances for further promotion. This certificate consists of only 7 classes and can be finished in 2-3 semesters attending college part-time * Online, hybrid, and on campus classes available. The certificate can be earned fully online.

Project Management

Certificate of Proficiency | 15 units

The Project Management program prepares students to find employment as program managers. The focus is on developing the skills to run projects from start to finish. Students learn both methodology and best practices. They will complete a review course to prepare for a certification examination.

Retailing

Certificate of Proficiency | 15 units

Entry level positions in retail supervision and management.

Retail Management

Certificate of Achievement | 25 units

Retail is a growing, fast-paced, and diverse industry with many opportunities for advancement. Careers are available in all areas of business and with over 42 million people employed, and responsible for 1 in 4 jobs in the United States. The certificate prepares students for managerial positions in retailing, merchandising, and distributing businesses.

Small Business Management

Certificate of Achievement | 19 units

The Small Business Management program will prepare you for a career in a small business. You may currently work in a small business. You may be interested in starting or purchasing your own business, joining a small family business, or working as an employee or a consultant to a small business. If your career interest in non-profit organizations, you'll also find the skills you develop in these courses to be very applicable to non-profit management. The program will develop the critical skills needed to successfully manage a small business: financial management, supervision, computerized accounting, and law. You can then customize your certificate with electives that best meet the needs of your small business by choosing electives/ options you find most useful.

Tax Preparer

Certificate of Achievement | 19 Units

This certificate prepares students to start their own tax preparation business or to work as specialized tax preparers in CPA and EA firms. There is a projected gap in demand for 480 tax preparers in the Bay Area with 6% growth (10% in East Bay), 484 new job openings annually (110 new job in East Bay), and the medial hourly wage of \$30.56.



OFFICE ADMINISTRATION

Administrative Assistant

Certificate of Achievement | 21 units

The Administrative Assistant certificate prepares students to work in an office environment, in such positions as office managers, supervisors, administrative assistants, and clerks. These positions use a variety of office technology and computer-based applications (word processing, electronic mail, database, spreadsheets, presentation graphics), as well as such business skills as written and oral communications, accounting, basic payroll, team building, and leadership.

Bookkeeping

Certificate of Achievement | 20 units

The Bookkeeping program targets individuals who want to quickly enter the workforce. You will be employed in entry-level positions as bookkeepers, payroll clerks, and income tax clerks working for small businesses, including small accounting/taxation firms. Graduates of the program will have skills and knowledge of double-entry bookkeeping, completing journals, ledgers, payroll documents, tax forms, and bank statement reconciliations. In addition, graduates will become proficient in accounting and payroll software, including QuickBooks.

Accounting Technician

Certificate of Achievement | 27 units

The Accounting Technician certificate targets individuals that want to find entry-level accounting positions within accounts receivable and accounts payable departments, payroll units, income tax firms, or financial services organizations. With the certificate in Accounting Technician, jobs are available in just about every corporate business and non-profit organization.

REAL ESTATE



Real Estate Agent

Certificate of Proficiency | 9 units

This certificate affords students an opportunity to sit for the State of Calif. real estate licensing examination., allowing them to become a real estate sales agent.

Real Estate Broker

Certificate of Achievement | 25 - 26 units

This certificate affords students an opportunity to sit for the State of California real estate broker licensing examination, allowing them to become a real estate broker.



SCIENCE & MATHEMATICS



WOMEN IN ENGINEERING



ENGINEERING

Computational Design

Certificate of Achievement | 26 units

Gain the necessary lab and analysis skills to start your scientific research and testing career! Completion of this certificate prepares students for a research assistant career with industrial engineering, manufacturing, research, and product design firms. This certificate is especially beneficial for students applying research apprenticeships, research and development firms, technology companies, and companies in need of employees proficient in MATLAB.

Technical Design Drafting

Certificate of Achievement | 17 - 19 units

Learn about 3D modeling, 3D printing, robotics, programming, manufacturing, and problem solving to help design, build, and create. Completion of this certificate prepares students for a design-drafting career with civil engineering, building design-construction, and electro-mechanical device firms. This certificate is especially beneficial for students applying for internships in manufacturing, construction, or design.



SOCIETY, CULTURE & IDEAS





EARLY CHILDHOOD DEVELOPMENT

Early Childhood Development (Associate Teacher)

Certificate of Achievement | 16 units

Certificate completers will meet requirements to be a Teacher Assistant in various child care settings as well as meet all Preschool Teacher requirements for Community Care Licensing. There is substantial need for early childhood preschool teachers and teacher assistants and the job market can support these programs.

Early Childhood Development (Basic Teacher)

Certificate of Achievement | 25 units

Those who hold the Child Development Teacher Permit are authorized to provide service in the care, development and instruction of children in a child care and development program, and supervise an Associate Teacher, Assistant and an aide. Many early childhood development units are transferable to four-year institutions for elective credit, but a counselor should be consulted for specific transfer information.



Early Childhood Curriculum Specialist/Transitional Kindergarten Certificate of Achievement | 25 units

Those who hold the Early Childhood Curriculum Specialist/Transitional Kindergarten Certificate of Achievement are authorized to provide service in Transitional Kindergarten teachers, preschool teachers, early childhood curriculum specialists.

Early Childhood Intervention Assistant Certificate of Achievement | 29 units

The Early Childhood Intervention Assistant Certificate builds a foundation of understanding and skills for those interested in providing inclusive services to all children and families. The program meets the state competencies for an Early Childhood Intervention assistant; prepares students to specifically work with young children birth to eight years of age who may have special needs; and provides the opportunity for students to participate in fieldwork experiences where they must apply learned theoretical models and early intervention methods in inclusive educational settings as well as special day classes that serve young children with disabilities.

Infant/Toddler Specialist Certificate of Achievement | 26 units

All students who complete this certificate will be qualified to work as a preschool teacher; an infant/toddler teacher; an aide; and assistant teacher. Students who already hold a BA (in any subject) will qualify to earn a Site Supervisor Child Development Permit from the California Commission on Teacher Credentialing, and will be qualified to supervise infant/toddler sites.

Early Childhood Administration Certificate of Achievement | 34 units

All those who complete this certificate will qualify to work as directors of a preschool according to Community Care Licensing, and will have the Early Childhood Education coursework needed to qualify for a Site Supervisor Child Development Permit from the California Commission on Teacher Credentialing. Those who already have a BA (in any subject) will qualify to earn the Program Director Child Development Permit.

Educational Aide

Certificate of Achievement | 25 units

This certificate provides students who want to work as a school aide, paraprofessional educator, after school aide or teacher assistant with essential knowledge and skills they need to work with diverse populations of students. In addition, a recipient will qualify under state licensing regulations to be a preschool teacher and will have the course work to earn the Associate Teacher California Child Development permit, giving them flexibility to work in preschool or K-12 settings.

Family Childcare Entrepreneurship

Certificate of Achievement | 19 units

Career opportunities are plenty. In CA predicted number of Child Care workers are estimated around 108,500. In the state of California there are 1,757,879 children younger than 6 years of age needing child care, as parents work) There are a total of 1,072,943 child care spaces and there are 1,757,879 children younger than 6 needing child care which represents a need for 684,936 spaces for child care in the state of California. Currently 64.6% of children are cared for in child care centers and 35.4% are cared for in family child care homes. (Supply and demand data are provided by the State CCR&R Network and are derived from CCR&R data, or by the state child care licensing office). Family Child Care homes are licensed to care for 6-15 children depending on the size of their homes and licensing requirements. Looking at these statistics in the state of California there is a need for 15,981 family child care homes in order to meet the needs of spaces for child care. (15 spaces per family child care home and that 35.4% of children are cared for in family child care homes).



FIRE TECHNOLOGY



Firefighter 1 Academy

Certificate of Achievement | 38.5 units

Fire Technology

Certificate of Achievement | 47.5 units

The Certificate of Achievement for the Fire Fighter Academy is based on the Certification Training Standards and the Uniform Fire Technology curriculum as approved by the State Board of Fire Services and the California Fire Chiefs Association. Fire Technology core courses align with the California C-ID program and the National Fire Academy Fire and Emergency Services Higher Education (FESHE) Model Curriculum: Associate's (Core). All Fire Academy coursework is taught to the National Fire Protection Association (NFPA) 1001 - Standard for Fire Fighter Professional Qualifications. Successful completion of the Fire Fighter I Academy prepares the pre-employment student firefighter with qualifying experience for certification as California Fire Fighter I by the International Fire Service Accreditation Congress and the Pro Board Fire Service Professional Qualifications System (IFSAC / ProBoard) as administered by the California Office of State Fire Marshal, Division of State Fire Training. Career opportunities include: Firefighter, Driver/Operator, Fire Company Officer, Ambulance EMT/Paramedic, Seasonal Wildland Firefighter, Forest and Conservation Technician, Forestry Aide, Cal Fire Fire Fighter I, and Public Safety Officer.



Fire Prevention Inspector

Certificate of Achievement | 27 units

The Fire Prevention Inspector program is based on the six core courses of the Uniform Fire Technology curriculum as approved by the State Board of Fire Services and the California Fire Chiefs Association. The core courses align with the California C-ID program and the National Fire Academy Fire and Emergency Services Higher Education (FESHE Model Curriculum: Associate's (Core.)) Additionally, the Fire Prevention Inspector Program offers general courses in applied physics and chemistry, as well as specialized courses in fire prevention, fire inspection, public safety, building construction, and fire protection system design. Career Opportunities include: Fire Inspector, Code Compliance Officer, Fire Marshal, Plans Examiner, Fire Protection Specialist, Community Risk Educator, Fire Prevention Specialist, and Public Safety Officer.



LAW ENFORCEMENT

Law Enforcement

Certificate of Achievement | 30 Units

The Certificate of Achievement in Law Enforcement provides California Commission on Peace Officer Standards and Training (POST) certified basic law enforcement training and satisfies the entry-level training requirement for California peace officers, as specified in Commission Regulation 1005. It prepares students for entry-level peace officer positions in local and state law enforcement agencies. The comprehensive coursework, taught by experienced law enforcement and legal professionals, combines career competencies and technical skills with real-world knowledge. Courses topics include: leadership, professionalism and ethics, the criminal justice system, community relations, criminal law, investigative report writing, crime scene investigation, forensics, information systems, cultural diversity/bias and procedural justice. Candidates must meet state minimums and be at least 20 years of age at application and 21 years of age by academy graduation. Candidates must also be a US citizen or have an accepted application for US citizenship in progress. All coursework and training occurs at the Alameda County Sheriff's Regional Training Center.



PARALEGAL

Paralegal Studies

Certificate of Achievement | 24 units

The Paralegal Studies Program offers a 24-academic-unit certificate intended to prepare students for employment as a paralegal or legal assistant in various legal sectors. Students are introduced to the fundamentals of the paralegal profession to enhance the ability to reason, understand and apply correct principles of law by teaching analytical and critical thinking skills. The program is taught by attorneys and paralegals who have practical experience in the field and satisfies all educational requirements required by California law. As such, you will gain the legal knowledge and skills to land a paralegal job in any state.



INDUSTRIAL INFORMATION & APPLIED TECHNOLOGY



AUTOMOTIVE

A woman with dark hair tied back, wearing safety glasses and a dark polo shirt, is focused on working on a car engine. The background is slightly blurred, showing what appears to be a workshop or garage setting. The entire image has a purple tint.

Automotive Service Consulting

Certificate of Achievement | 12 units

The automotive industry includes a broad scope of career opportunities. The Automotive Service Consultant course of study provides fundamental knowledge and experience to obtain employment in new car, retail chain, independently owned automotive service facilities, and related industries. Automotive Service Consultant can be either an initial career path or a transitional path for existing technicians or industry employees. This position can also provide future opportunities in management.

Automotive Maintenance Technology

Certificate of Achievement | 25 units

Students completing the Chabot Automotive Technology AS Degree or Certificate Training will be able to demonstrate the expertise needed to perform vehicle maintenance, service, diagnosis, and repair of current vehicles. They will display the confidence to perform automotive operations in a timely and professional manner with limited supervision. Students will also demonstrate an ethical code conforming to the highest standards of the automotive industry. Students completing the Chabot Automotive Technology AS Degree or Certificate Training will be prepared to obtain employment in the automotive industry.

Automotive Chassis Technology

Certificate of Achievement | 16 units

Students completing the Chabot Automotive Technology AS Degree or Certificate Training will be able to demonstrate the expertise needed to perform vehicle maintenance, service, diagnosis, and repair of current vehicles. They will display the confidence to perform automotive operations in a timely and professional manner with limited supervision. Students will also demonstrate an ethical code conforming

to the highest standards of the automotive industry. Students completing the Chabot Automotive Technology AS Degree or Certificate Training will be prepared to obtain employment in the automotive industry.

Hybrid and Alternative Fuel Vehicles

Certificate of Achievement | 19 units

The automotive industry includes a broad scope of career opportunities. The Certificate of Achievement in Hybrid and Alternative Fuel Vehicles provides students with the necessary knowledge, skills, and experience to safely and properly diagnose, repair, service and maintain hybrid, electric, diesel, and alternative fuel vehicles.

Technology-Based Automotive Systems

Certificate of Achievement | 17 Units

In the past ten years, the automotive industry has experienced a rapid growth in technology. These systems include vehicle safety, drivers assistance, and enhanced vehicle communications. As these new technologies leave the new car dealer service network, technicians in all areas will need to acquire the applicable knowledge and skills to diagnose, service and repair these systems. Career opportunities in the automotive and related transportation industries worldwide include technician, system specialist and supervisor.



GRAPHIC INFORMATION SYSTEMS



Graphic Information Systems *Certificate of Proficiency | 13 units*

Graphic Information Systems (GIS) is used to acquire, represent, organize, analyze and visualize information in the public and private sectors. With this expanded application comes a broad range of GIS career areas, including: (1) Business (Business Analytics, Technology Support, Economic Development) (2) Land Administration (Public Works, Surveying, Urban/Rural Planning) (3) Health and Human Services (Hospitals/Health Systems, Managed Care, Public health) (4) Intelligence (Remote Sensing, Surveillance, Environmental Monitoring, Military Operations, Disaster Relief and Recovery, Communications) (5) Natural Resources (Agriculture, Archaeology, Climate Change, Forestry, Heritage Sites, Marine and Coastal, Water Resources) (6) Public Safety (Emergency Management, Homeland Security, Law Enforcement, Wildfire Management) (7) Transportation and Infrastructure (Highways, Logistics, Ports and Maritime, Public Transportation, Railways)



INDUSTRIAL ARTS



Advanced Manufacturing Technology

Certificate of Achievement | 19 units

Advanced Manufacturing technicians are in demand in automation/robotics, automated machining, welding, and emerging manufacturing technologies.

Machinist

Certificate of Achievement | 27 units

The courses that define this certificate are recommended as preparation for the following careers: machinist, machinist apprentice, Industrial repairman, Computer Numerical Control (CNC) operator, CNC set-up, and CNC junior programmer. These occupations can be either an initial career path or a transitional path for existing machinists or industry employees.

Electronic Systems Technology: Consumer Technology

Certificate of Achievement | 18 units

Students develop the technical skills required for many entry-level Consumer Electronics Technicians employment opportunities in many segments of the electronics industry of the SF Bay Area. Successfully completing these required courses prepares our students for career opportunities in consumer electronics technology. Career Opportunities in Electronic Systems Technology: Consumer Technology Completion of this certificate prepares students for a Consumer Electronics Worker career with computers-peripheral equipment, technical consulting services, electric goods merchant sellers, commercial goods merchant sellers and electronic instrument manufacturing firms. According to Labor Market Information data, consumer electronics worker positions are expected to grow from 2175 positions in 2016 to 2289 positions by 2026, an increase of 4.9%.

Electronic Systems Technology: Industrial Electronic Technology

Certificate of Achievement | 18 units

Students develop the technical skills required for many entry-level Electronics Technicians employment opportunities including robotics, internet of things (IoT), mechatronics, and process control systems in many segments of the electronics industry of the SF Bay Area. Successfully completing these required courses prepares our students for career opportunities in industrial electronics technology. Career Opportunities in Electronic Systems Technology: Industrial Electronic Technology Completion of this certificate prepares students for an Electrical & Electronics Worker career with industrial electronic, communications equipment manufacturing, and industrial machinery manufacturing firms. According to Labor Market Information data, electrical and electronics worker positions are expected to grow from 2100 positions in 2016 to 2300 positions by 2026, an increase of 9.5%. Students will be applying electrical and electronics theory and related knowledge to install, adjust, or maintain electro-mechanical, mobile electronics communication equipment, including sound, sonar, security, navigation, and surveillance systems on trains, watercraft, or other electronic/mobile equipment.

Numerical Control Programmer

Certificate of Achievement | 36 units

The courses that define this certificate are recommended as preparation for the following careers: machinist, machinist assistant, Computer Numerical Control (CNC) operator, CNC set-up, CNC junior programmer, CNC programmer, and Solidworks draftsperson. These occupations can be either an initial career path or a transitional path for existing machinists or industry employees.

Tool Maker

Certificate of Achievement | 31 units

The courses that define this degree are recommended as preparation for the following careers: machinist, machinist apprentice, industrial repairman, mold maker, tool and die maker, model maker, Computer Numerical Control (CNC) operator, CNC set-up, and CNC junior programmer. These occupations can be either an initial career path or a transitional path for existing machinists or industry employees.

Inspection and Pipe Welding

Certificate of Proficiency | 14 Units

Welding offers employment both at the basic level and one demanding higher skills with a trajectory towards greater leadership in the field. Those with skills in inspection and pipe welding can secure some of the highest paying and most challenging jobs in the industry. Given that this level of skill is comparatively rare, jobs in these categories are regularly in demand all over the globe. It is not uncommon for those at this level of the industry to make six figures if they are willing to travel and work on projects with a long timeline. In return, they can be part of some of the largest and most sophisticated structures in the world.

Welding

Certificate of Proficiency | 15 units

Students completing the Chabot Welding Technology Certificate of Proficiency will be able have the opportunity to qualify to national codes such as The American Welding Society D1.1 for Structural Steel in the appropriate areas of study. Upon the completion of the Chabot Welding Technology Certificate of Proficiency training, students shall be able to demonstrate the qualifications needed to gain interim welding positions required by the manufacturing, fabrication, maintenance and construction industries. They should be able to apply their skills and knowledge in a professional manner under supervision.







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