

Chabot College Program-Level Outcomes (PLOs)

Program - Degree/ Certificate	Outcomes
Accounting – AS	<ol style="list-style-type: none"> Understand and apply the generally accepted accounting principles to prepare financial statements. Identify the basics of information technology and apply software applications to accounting transactions. Create effective oral and written business communications using modern communication technologies. Apply critical thinking and analytical skills in decision making and problem solving.
Administration of Justice – AA	<ol style="list-style-type: none"> Evaluate and analyze criminal justice issues and topics using knowledge of criminal justice institutions, terminology, theory and ethical issues in crime and justice. Understand the interdisciplinary nature of criminal justice and the varying perspectives of the liberal arts and sciences as related to law enforcement, courts, and corrections.
Administration of Justice – AS-T	<ol style="list-style-type: none"> Evaluate and analyze criminal justice issues and topics using knowledge of criminal justice institutions, terminology, theory and ethical issues in crime and justice. Understand the interdisciplinary nature of criminal justice and the varying perspectives of the liberal arts and sciences as related to law enforcement, courts, and corrections.
Administrative Assistant – AS	<ol style="list-style-type: none"> Demonstrate knowledge of office application software and be able to apply the appropriate software to solve problems. Organize, communicate and function in a business and office environment, using appropriate terminology and English skills. Demonstrate proficiency in Microsoft Office Applications and keyboarding skills.
Administrative Assistant – Certificate of Achievement	<ol style="list-style-type: none"> Demonstrate knowledge of office application software and be able to apply the appropriate software to solve problems. Organize, communicate and function in a business and office environment, using appropriate terminology and English skills. Demonstrate proficiency in Microsoft Office Applications and keyboarding skills.
Administrative Assistant Entrepreneur – Certificate of Proficiency	<ol style="list-style-type: none"> Demonstrate knowledge of all core Microsoft Office programs. Demonstrate knowledge of preparing a basic business plan with a core value proposition for an entrepreneurial venture. Evaluate and solve the challenges faced by entrepreneurs.
Anthropology – AA	<ol style="list-style-type: none"> Analyze human biological and cultural adaptations. In this context, evaluate the different factors that have affected, and are affecting humans biologically and culturally. Analyze the factors that cause modern humans biological and cultural diversity, and demonstrate an appreciation for, and sensitivity to human biological and cultural diversity.
Anthropology – AA-T	<ol style="list-style-type: none"> Analyze human biological and cultural adaptations. In this context, evaluate the different factors that have affected, and are affecting humans biologically and culturally. Analyze the factors that cause modern humans biological and cultural diversity, and demonstrate an appreciation for, and sensitivity to human biological and cultural diversity.
Aquatics – Certificate of Achievement	<ol style="list-style-type: none"> Demonstrate knowledge of using the equipment safely and effectively. Develop the ability to track heart rate effectively for resting heart rate (RHR) and during the performance of exercise. Demonstrate the biomechanics as they pertain to four competitive strokes; free style, backstroke, breaststroke, and butterflies.

Aquatics – Certificate of Proficiency	<ol style="list-style-type: none"> 1. Demonstrate knowledge of using the equipment safely and effectively. 2. Develop the ability to track heart rate effectively for resting heart rate (RHR) and during the performance of exercise. 3. Demonstrate the biomechanics as they pertain to four competitive strokes; free style, backstroke, breaststroke, and butterflies.
Architecture – AA	<ol style="list-style-type: none"> 1. Develop architectural and freehand skills. 2. Identify and explain the behavior appearance and use building materials. 3. Incorporate the basic Uniform Building Code requirements to construction drawings. 4. Describe and apply knowledge of the structural systems using wood, steel, masonry, and concrete.
Architecture – AS	<ol style="list-style-type: none"> 1. Develop computer drafting skills. 2. Develop advanced presentation skills. 3. Apply the basic Uniform Building Code requirements to residential and commercial drawings. 4. Use wood, truss, steel, masonry, and concrete to apply to structural systems.
Architecture – Certificate of Achievement	<ol style="list-style-type: none"> 1. Develop computer Rendering and drafting skills. 2. Develop advanced presentation skills in 3D forms and posters. 3. Incorporate Uniform Building Code requirements and City regulations to residential. 4. Use different materials such as wood, truss, steel, masonry, and concrete to apply to structural systems.
Art (General) – AA	<ol style="list-style-type: none"> 1. Demonstrate visual literacy and explain it in terms of the elements and principles of design. 2. Demonstrate an ability to work with the media (drawing, painting, clay, etc.) of the discipline.
Art History – AA	<ol style="list-style-type: none"> 1. Develop the ability to interpret artistic content through the analysis of subject matter and form. 2. Acquire a critical understanding of art in historical eras that accounts for changing cultural frameworks over time.
Art-Emphasis in Ceramics – AA	<ol style="list-style-type: none"> 1. Demonstrate visual literacy and explain it in terms of the elements and principles of design. 2. Demonstrate an ability to work with the media (drawing, painting, clay, etc.) of the discipline.
Art-Emphasis in Painting - AA	<ol style="list-style-type: none"> 1. Demonstrate visual literacy and explain it in terms of the elements and principles of design. 2. Demonstrate an ability to work with the media (drawing, painting, clay, etc.) of the discipline.
Art-Emphasis in Sculpture – AA	<ol style="list-style-type: none"> 1. Demonstrate visual literacy and explain it in terms of the elements and principles of design. 2. Demonstrate an ability to work with the media (drawing, painting, clay, etc.) of the discipline.
Astronomy – Discipline	<ol style="list-style-type: none"> 1. Understand and apply key principles of astronomy using applicable vocabulary; including employing the scientific method to organize, prioritize, and problem solve. Astronomy (10, 20). 2. Demonstrate knowledge of explaining how and where the human species fits into the immense, complex and ever-changing universe. Astronomy (10, 20). 3. Understand and apply key principles of observational and theoretical astronomy using applicable vocabulary and relating them to hands-on laboratory activities; including employing the scientific method to organize, prioritize, and problem solve.
Athletics – Discipline	<ol style="list-style-type: none"> 1. Evaluate, plan and create success as a participant on an athletic team. 2. Plan and implement an individual physical conditioning program prior to the sport season in order to be prepared to begin participation. 3. Demonstrate the ability to relate to teammates, coaches and the competitive atmosphere in a manner that enhances sportsmanship as well as their participation as well as the team environment.

Automotive Chassis Technology - Certificate of Achievement	<ol style="list-style-type: none"> 1. Demonstrate the expertise needed to perform vehicle maintenance, service, diagnosis, and repair of current vehicles. 2. Demonstrate the ability to perform automotive operations in a timely and professional manner with limited supervision. 3. Demonstrate an ethical code conforming to the highest standards of the automotive industry.
Automotive Drivetrain Technology – Certificate of Achievement	<ol style="list-style-type: none"> 1. Demonstrate the expertise needed to perform vehicle maintenance, service, diagnosis, and repair of current vehicles. 2. Demonstrate the ability to perform automotive operations in a timely and professional manner with limited supervision. 3. Demonstrate an ethical code conforming to the highest standards of the automotive industry.
Automotive Engine Machining – Certificate of Achievement	<ol style="list-style-type: none"> 1. Demonstrate the expertise needed to perform vehicle maintenance, service, diagnosis, and repair of current vehicles. 2. Demonstrate the ability to perform automotive operations in a timely and professional manner with limited supervision. 3. Demonstrate an ethical code conforming to the highest standards of the automotive industry.
Automotive Engine Performance Technology – Certificate of Achievement	<ol style="list-style-type: none"> 1. Demonstrate the expertise needed to perform vehicle maintenance, service, diagnosis, and repair of current vehicles. 2. Demonstrate the ability to perform automotive operations in a timely and professional manner with limited supervision. 3. Demonstrate an ethical code conforming to the highest standards of the automotive industry.
Automotive Maintenance Technology – Certificate of Achievement	<ol style="list-style-type: none"> 1. Demonstrate the expertise needed to perform vehicle maintenance, service, diagnosis, and repair of current vehicles. 2. Demonstrate the ability to perform automotive operations in a timely and professional manner with limited supervision. 3. Demonstrate an ethical code conforming to the highest standards of the automotive industry.
Automotive Technology – AS	<ol style="list-style-type: none"> 1. Demonstrate the expertise needed to perform vehicle maintenance, service, diagnosis, and repair of current vehicles. 2. Demonstrate the ability to perform automotive operations in a timely and professional manner with limited supervision. 3. Demonstrate an ethical code conforming to the highest standards of the automotive industry.
Automotive Technology (Emphasis in BMW Manufacture Training) – AS	<ol style="list-style-type: none"> 1. Demonstrate the expertise needed to perform vehicle maintenance, service, diagnosis, and repair of current BMW vehicles, and the confidence to perform automotive operations in a timely and professional manner with limited supervision. 2. Demonstrate an ethical code conforming to the highest standards of the automotive industry.
Automotive Technology Entrepreneur – Certificate of Proficiency	<ol style="list-style-type: none"> 1. Understand the fundamentals of automotive technology. 2. Articulate a core value proposition for an entrepreneurial venture. 3. Demonstrate how to prepare a high quality business plan for a new venture. 4. Evaluate and solve challenges faced by entrepreneurs.
Behavioral Science (General) – AA	<ol style="list-style-type: none"> 1. Demonstrate an understanding of the major theoretical perspectives included the behavioral sciences. 2. Demonstrate an understanding of research methods used in the behavioral sciences.
Biology – AA	<ol style="list-style-type: none"> 1. Perform experiments; collect, analyze, and report data. 2. Develop competency with standard equipment and techniques of biosciences. 3. Communicate scientific concepts by verbal, written, and graphic/illustrative means. 4. Collaborate with peers to perform experiments, maintain a safe laboratory environment, and discuss scientific concepts.

Biology-Emphasis in Allied Health – AA	<ol style="list-style-type: none"> 1. Explain the interdependence of molecular through organismal structure and function in both health and disease. 2. Acquire, conduct, analyze, and interpret data using scientific terminology, measurements, and protocols.
Bookkeeping – Certificate of Achievement	<ol style="list-style-type: none"> 1. Understand and apply the generally accepted accounting principles to prepare financial statements. 2. Identify the basics of information technology and apply software applications to accounting transactions. 3. Create effective oral and written business communications using modern communication technologies. 4. Apply critical thinking and analytical skills in decision making and problem solving.
Business – AS	<ol style="list-style-type: none"> 1. Understand and apply generally accepted accounting principles to prepare financial statements. 2. Develop understanding of the law and the legal environment as it relates to business operations, including ethical considerations. 3. Create effective oral and written business communications using modern communication technologies. 4. Apply critical thinking and analytical skills in decision making and problem solving.
Business Administration – AS-T	<ol style="list-style-type: none"> 1. Understand and apply generally accepted accounting principles to prepare financial statements. 2. Develop understanding of the law and the legal environment as it relates to business operations, including ethical considerations. 3. Create effective oral and written business communications using modern communication technologies. 4. Apply critical thinking and analytical skills in decision making and problem solving.
Business Graphics – Certificate of Proficiency	<ol style="list-style-type: none"> 1. Demonstrate skill and comprehension in respective subject areas as indicated by course outcomes. 2. Demonstrate the ability to think critically and apply knowledge of business graphics skills. 3. Develop knowledge of business graphics and web page design. 4. Develop knowledge of technological changes and select a current solution for a given problem.
Business Skills – Certificate of Proficiency	<ol style="list-style-type: none"> 1. Create effective oral and written business communications using modern communication technologies. 2. Develop “soft” skills to succeed in the workplace.
Business-Emphasis, Management – AS	<ol style="list-style-type: none"> 1. Understand and apply generally accepted accounting principles to prepare financial statements. 2. Develop understanding of the law and the legal environment as it relates to business operations, including ethical considerations. 3. Create effective oral and written business communications using modern communication technologies. 4. Apply critical thinking and analytical skills in decision making and problem solving.
Business-Emphasis, Marketing – AS	<ol style="list-style-type: none"> 1. Understand and apply generally accepted accounting principles to prepare financial statements. 2. Develop understanding of the law and the legal environment as it relates to business operations, including ethical considerations. 3. Create effective oral and written business communications using modern communication technologies. 4. Apply critical thinking and analytical skills in decision making and problem solving.

Business-Transfer – Certificate of Achievement	<ol style="list-style-type: none"> Understand and apply generally accepted accounting principles to prepare financial statements. Develop understanding of the law and the legal environment as it relates to business operations, including ethical considerations. Create effective oral and written business communications using modern communication technologies. Apply critical thinking and analytical skills in decision making and problem solving.
California State University General Education Breadth (CSU/GE Breadth) – Certificate of Achievement	<ol style="list-style-type: none"> Develop effective speaking and writing skills. Apply logic, reasoning and problem solving. Develop creative and innovative abilities
Case Management for Human Services – Certificate of Proficiency	<ol style="list-style-type: none"> Demonstrate an effective work in a human services environment. Develop multicultural awareness and cultural competency needed to work in a social services setting along with computer literacy and medical terminology skills.
Chemistry – AS	<ol style="list-style-type: none"> Apply the scientific method to experimentation, college and analyze data and communicate findings in written and oral formats. Demonstrate ability to think, reason, and communicate critically, analytically and abstractly.
Coaching – Certificate of Achievement	<ol style="list-style-type: none"> Demonstrate knowledge of planning and implementing individual and team training plan prior to the season of sport. Use sports training equipment in a specific and proper manner.
Coaching – Certificate of Proficiency	<ol style="list-style-type: none"> Plan and implement a team and individual training plan. Use sports training equipment in a specific and proper manner.
Communication Studies – AA-T	<ol style="list-style-type: none"> Pursue and evaluate knowledge through the skills of inquiry, research and critical thinking. Demonstrate effective skills in written and spoken communication.
Computer Networking Technology - Certificate of Proficiency in ICT Cloud Infrastructure	<ol style="list-style-type: none"> Describe, configure, operate, and troubleshoot cloud ICT infrastructure. Demonstrate effective oral and written communication skills.
Computer Networking Technology - Certificate of Proficiency in ICT Cloud Services	<ol style="list-style-type: none"> Describe, configure, operate, and troubleshoot cloud ICT infrastructure. Demonstrate effective oral and written communication skills.
Computer Networking Technology - Certificate of Proficiency in Information and Communication Technology	<ol style="list-style-type: none"> Specify, install, configure, operate, troubleshoot, and modify information and communication technology systems. Demonstrate oral and written communication skills.
Computer Science (Emphasis in Mathematics)- AA	<ol style="list-style-type: none"> Demonstrate fluency in programming. Demonstrate knowledge of at least one additional programming language besides C++.
Computer Science (Emphasis in Mathematics)- AS	<ol style="list-style-type: none"> Demonstrate fluency in programming. Demonstrate knowledge of at least one additional programming language besides C++.

Computer Science (General) – AA	1. Demonstrate fluency in programming. 2. Demonstrate knowledge of at least one additional programming language besides C++.
Computer Science (General) – AS	1. Demonstrate fluency in programming. 2. Demonstrate knowledge of at least one additional programming language besides C++.
Consumer Technology – Certificate of Achievement	1. Demonstrate how to install, configure and troubleshoot home technology systems. 2. Demonstrate proficiency in configuring, troubleshooting, and updating personal computer systems. 3. Prepare a basic business plan with a core value proposition for an entrepreneurial venture. 4. Prepare high quality marketing plans for a new venture. 5. Evaluate and solve the challenges faced by entrepreneurs.
Consumer Technology Entrepreneur – Certificate of Proficiency	1. Demonstrate how to install, configure and troubleshoot home technology systems. 2. Demonstrate proficiency in configuring, troubleshooting, and updating personal computer systems. 3. Prepare a basic business plan with a core value proposition for an entrepreneurial venture. 4. Prepare high quality marketing plans for a new venture. 5. Evaluate and solve the challenges faced by entrepreneurs.
Creative Writing – Certificate	1. Demonstrate a body of quality creative work. 2. Evaluate and analyze a critical response to the creative writings of others.
Dental Hygiene – AA	1. Demonstrate the highest professional knowledge, judgment & ability following the ADA Code of Ethics. 2. Perform self-assessment for life-long learning & professional growth. 3. Demonstrate how to acquire & synthesize information in a critical, scientific, & effective manner.
Digital Design – Certificate of Proficiency	1. Create artistic concepts and themes in digital work. 2. Demonstrate strong craftsmanship (using industry standard software and technology) in creating digital work.
Digital Media – Certificate	1. Create artistic concepts and themes in digital work. 2. Demonstrate strong craftsmanship (using industry standard software and technology) in creating digital work.
Discipline	1. Formulate and apply research strategies to locate appropriate information to achieve, educational, professional and personal objectives. 2. Develop a lifelong ethic of learning.
Early Childhood Development – AA	1. Create artistic concepts and themes in digital work. 2. Demonstrate strong craftsmanship (using industry standard software and technology) in creating digital work. 3. Demonstrate an understanding of child development theory, current research, and trends in the field, and their application to responsive practice in early care settings. 4. Demonstrate reflective practice in their work with young children by building awareness of self as teacher, child as learner, and early childhood pedagogy.
Early Childhood Development – AS-T	1. Create artistic concepts and themes in digital work. 2. Demonstrate strong craftsmanship (using industry standard software and technology) in creating digital work. 3. Demonstrate an understanding of child development theory, current research, and trends in the field, and their application to responsive practice in early care settings. 4. Demonstrate reflective practice in their work with young children by building awareness of self as teacher, child as learner, and early childhood pedagogy.

Early Childhood Development (Associate Teacher) – Certificate of Proficiency	1. Create artistic concepts and themes in digital work. 2. Demonstrate strong craftsmanship (using industry standard software and technology) in creating digital work.
Early Childhood Development (Basic Teacher) – Certificate of Achievement	1. Create artistic concepts and themes in digital work. 2. Demonstrate strong craftsmanship (using industry standard software and technology) in creating digital work.
Early Childhood Intervention – AA	1. Create artistic concepts and themes in digital work. 2. Demonstrate strong craftsmanship (using industry standard software and technology) in creating digital work. 3. Identifying children who may have special needs and connecting those children and families to resources in their school and community. 4. Understands and implements requirements regarding parents' rights under the individuals with Disabilities Education Act (IDEA), American's with Disabilities Act (ADA) state law.
Early Childhood Intervention Assistant - Certificate of Achievement	1. Create artistic concepts and themes in digital work. 2. Demonstrate strong craftsmanship (using industry standard software and technology) in creating digital work.
Economics – Discipline	
Electronic Systems Technology – AS	1. Understand how to specify, install, program, operate, troubleshoot, and modify electronics systems. 2. Demonstrate effective skills in written and spoken communication.
Electronic Systems Technology - Certificate of Achievement in Consumer Electronics Technology	1. Understand how to specify, install, program, operate, troubleshoot, and modify electronics systems. 2. Demonstrate effective skills in written and spoken communication.
Electronic Systems Technology - Certificate of Achievement in Industrial Electronics Technology	1. Understand how to specify, install, program, operate, troubleshoot, and modify electronics systems. 2. Demonstrate effective skills in written and spoken communication.
Engineering – AS	1. Demonstrate an ability to apply knowledge of mathematics, science, and engineering. 2. Demonstrate an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
English-Emphasis in Literature – AA	1. Demonstrate an ability to read and understand complex academic texts. 2. Demonstrate a critical response to the ideas and information in academic texts.
Entrepreneurship - Certificate of Proficiency	1. Identify and evaluate new business opportunities. 2. Prepare high quality marketing and business plans for a new venture. 3. Demonstrate new business idea to potential investors and partners, both orally and in writing. 4. Evaluate and solve the challenges faced by entrepreneurs.
Environmental Studies - AA	1. Create artistic concepts and themes in digital work. 2. Demonstrate strong craftsmanship (using industry standard software and technology) in creating digital work.

Ethnic Studies - AA	<ol style="list-style-type: none"> 1. Demonstrate knowledge of diverse racial/ethnic groups and their cultures. 2. Understanding how major institutions, such as family, media, education, and government influence the experiences and opportunities of racial/ethnic groups.
Fitness Instructor - Certificate of Achievement	<ol style="list-style-type: none"> 1. Demonstrate an understanding of heart rate. 2. Demonstrate an ability to correctly perform a dead lift. 3. Demonstrate an ability to correct, perform, and teach a clean.
Fitness Instructor - Certificate of Proficiency	<ol style="list-style-type: none"> 1. Demonstrate a knowledge of human development and its relationship fitness. 2. Evaluate pre and post fitness level utilizing a variety of fitness testing methods.
French - AA	<ol style="list-style-type: none"> 1. Demonstrate proficiency in understanding and using, orally, the grammatical structures presented and vocabulary assigned. 2. Demonstrate proficiency in understanding and using, in writing, the grammatical structures presented and vocabulary assigned.
Geographic Information Systems - Certificate of Proficiency	<ol style="list-style-type: none"> 1. Identify significant spatial relationships and patterns in society including interactions between humans and their natural environment. 2. Demonstrate competency in techniques of spatial overlay of themes, design and production of map layouts, graphical presentation of spatially distributed data, and analysis of geocoded database information.
Geography - AA	<ol style="list-style-type: none"> 1. Demonstrate knowledge of global physical and environmental processes, locations and develop an appreciation of landscapes. 2. Assemble and analyze spatial information (maps, data, surveys, qualitative observations, etc.), using traditional and modern mapping technology methods.”
Geography - AA-T	<ol style="list-style-type: none"> 1. Demonstrate knowledge of global physical and environmental processes, locations and develop an appreciation of landscapes. 2. Assemble and analyze spatial information (maps, data, surveys, qualitative observations, etc.), using traditional and modern mapping technology methods.”
Graphic Design - AA	<ol style="list-style-type: none"> 1. Create artistic concepts and themes in digital work. 2. Demonstrate strong craftsmanship (using industry standard software and technology) in creating digital work.
Graphic Design - Certificate of Proficiency	<ol style="list-style-type: none"> 1. Create artistic concepts and themes in digital work. 2. Demonstrate strong craftsmanship (using industry standard software and technology) in creating digital work.
Health and Nutrition - Discipline	<ol style="list-style-type: none"> 1. Understand and apply a plan of action for a healthy behavior change. 2. Evaluate and formulate physiological and psychological behaviors of sexual health. 3. Understand and apply plan dietary changes necessary to improve personal diet.
Health Care Management - Certificate of Achievement	<ol style="list-style-type: none"> 1. Identify and analyze unique legal issues in health care, including HIPAA (patient privacy laws and regulations), Medicare and Medicaid reimbursement requirements, negligence/malpractice issues, advance directives, and employment law for medical staff and independent contractors. 2. Apply effective management approaches in health care organizations, including organizational structure and governance, information technology, facilities and guest services, planning, marketing and strategy. 3. Create effective oral and written business communications using modern communication technologies. 4. Identify and analyze financial structures of both for profit and non-profit healthcare organizations.
History – Discipline	<ol style="list-style-type: none"> 1. Synthesize factual information and historical evidence from a variety of sources and identify the connections between them. 2. The students will Demonstrate a body of knowledge about and critical understanding of historical eras, their key events and ideas, and the process of change over time.

Human Resources Assistant - Certificate of Achievement	<ol style="list-style-type: none"> Understand and apply knowledge of human resources to a modern organization, including employment laws, staffing, compensation, training, development, workforce evaluation, motivation, and labor relationships. Create effective oral and written business communications using modern communication technologies. Identify the basics of information technology and apply software applications to manage of human resources.
Human Services (See also Case Management and Multicultural Awareness) - AA	<ol style="list-style-type: none"> Demonstrate an understanding and provide an overview of the field of human and social services in both the public and private sector. Demonstrate cultural awareness and sensitivity needed to respectfully serve the diverse service population. Demonstrate the ability to assess the needs of clients and provide appropriate referrals for them. Demonstrate the ability to use introspection to increase self-awareness. Demonstrate appropriate boundaries and the ability to make ethical decisions.
Human Services (See also Case Management and Multicultural Awareness) - AS	<ol style="list-style-type: none"> Demonstrate an understanding and provide an overview of the field of human and social services in both the public and private sector. Demonstrate cultural awareness and sensitivity needed to respectfully serve the diverse service population. Demonstrate the ability to assess the needs of clients and provide appropriate referrals for them. Demonstrate the ability to use introspection to increase self-awareness. Demonstrate appropriate boundaries and the ability to make ethical decisions.
Humanities (General) - AA	<ol style="list-style-type: none"> Demonstrate an understanding between the arts as personal expression and the arts as socially transformative. Demonstrate an understanding of both objective and subjective responses to a work of art (literary, performing, or fine).
Illustration - Certificate	<ol style="list-style-type: none"> Create artistic concepts and themes in digital work. Demonstrate strong craftsmanship (using industry standard software and technology) in creating digital work.
Inspection and Pipe Welding - Certificate of Proficiency	<ol style="list-style-type: none"> Demonstrate proficiency required form advanced; manufacturing, fabrication, and maintenance welding tasks compatible with the industrial norms for higher skilled workforce. They should be able to either skills and knowledge professional manner under minimum to no supervision. Pass the American Welding Society (A.W.S.) test and the appropriate areas of study.
Interior Design - AS	<ol style="list-style-type: none"> Develop functional interior spaces. Demonstrate proficiency in drawing appropriate floor plans.
Interior Design - Certificate of Achievement	<ol style="list-style-type: none"> Develop functional interior spaces. Demonstrate proficiency in drawing appropriate floor plans.
International Studies - AA	<ol style="list-style-type: none"> Develop a strong comprehension of international politics and U.S. foreign policy. Encourage active engagement with international affairs current events. Ability to link international developments to national politics and elections, and the everyday activities of individuals.
Intersegmental General Ed Transfer Curriculum (IGETC) - Certificate of Achievement	<ol style="list-style-type: none"> Develop effective speaking and writing skills. Understand and apply logic, reasoning and problem solving. Develop creative and innovative abilities.

Japanese – Discipline	<ol style="list-style-type: none"> 1. Demonstrate proficiency in understanding and using, orally, the grammatical structures presented and vocabulary assigned. 2. Demonstrate proficiency in understanding and using, in writing, the grammatical structures presented and vocabulary assigned.
Journalism - AA	<ol style="list-style-type: none"> 1. Apply knowledge and understanding of the Internet, including various databases in order to independently conduct the research they need to produce credible and well constructed content for publication. 2. Demonstrate knowledge of a broad range of equipment, software, trends, changes and tools needed to be successful in the journalism field. 3. Demonstrate critical understanding of journalism practices, including facts, standards, conventions, and principles, including critical understanding of internal and external forces affecting their operation.
Journalism - AA-T	<ol style="list-style-type: none"> 1. Apply knowledge and understanding of the Internet, including various databases in order to independently conduct the research they need to produce credible and well constructed content for publication. 2. Demonstrate knowledge of a broad range of equipment, software, trends, changes and tools needed to be successful in the journalism field. 3. Demonstrate critical understanding of journalism practices, including facts, standards, conventions, and principles, including critical understanding of internal and external forces affecting their operation.
Kinesiology - AA-T	<ol style="list-style-type: none"> 1. Demonstrate an understanding of health and wellness information using the scientific method, scientific research and established knowledge. 2. Utilize knowledge to design, develop, and implement an effective personalized fitness program. 3. Understand movement as it applies to physical activity to create efficiency of psychomotor skills and achieve maximum benefits in that activity.
Kitchen and Bath Design - Certificate of Achievement	<ol style="list-style-type: none"> 1. Develop and design functional kitchen and bath spaces. 2. Draw appropriate floor plans and elevations per NKBA requirements. 3. Apply materials and color selections for Kitchen and Bath spaces. 4. Demonstrates an understanding of professional requirements.
Liberal Arts - AA	<ol style="list-style-type: none"> 1. Develop effective speaking and writing skills. 2. Apply logic, reasoning and problem solving. 3. Develop creative and innovative abilities.
Liberal Studies-Elementary Teacher Preparation - AA-T	<ol style="list-style-type: none"> 1. Develop effective speaking and writing skills. 2. Apply logic, reasoning and problem solving. 3. Develop creative and innovative abilities.
LVN to RN Nursing Program - AA	<ol style="list-style-type: none"> 1. Incorporate the core of knowledge unique to the nursing profession in the delivery of health care in acute, chronic, or community health settings; 2. Utilize the nursing process to provide care for clients, families and significant others with diverse health needs and practices; 3. Respond to the demands of rapidly changing information technology by incorporating computer literacy in health care delivery and utilizing the internet for research.
Machine Tool Technology - AS	<ol style="list-style-type: none"> 1. Demonstrate the expertise needed to fabricate machined parts in a timely and professional manner with minimal supervision. 2. Demonstrate the expertise needed to create parts, drawings, and assemblies using SolidWorks design software.
Machinist - Certificate of Achievement	<ol style="list-style-type: none"> 1. Demonstrate the expertise needed to fabricate machined parts in a timely and professional manner with minimal supervision. 2. Demonstrate the ability to create basic CNC machine tool setups.

Management - Certificate of Achievement	<ol style="list-style-type: none"> Understand and apply generally accepted accounting principles to prepare financial statements. Develop understanding of the law and the legal environment as it relates to business operations, including ethical considerations. Create effective oral and written business communications using modern communication technologies. Apply critical thinking and analytical skills in decision making and problem solving.
Marketing - Certificate of Achievement	<ol style="list-style-type: none"> Understand and apply generally accepted accounting principles to prepare financial statements. Develop understanding of the law and the legal environment as it relates to business operations, including ethical considerations. Create effective oral and written business communications using modern communication technologies. Apply critical thinking and analytical skills in decision making and problem solving.
Mass Communications - AA	<ol style="list-style-type: none"> Demonstrate knowledge of the history, processes, and instruction of a variety of media, including the ability to exercise critical judgment in the evaluation of media productions. Demonstrate through projects that with the power of a communicator comes more and ethical responsibility.
Mathematics - AA	<ol style="list-style-type: none"> (Critical Thinking) Analyze mathematical problems critically using logical methodology. (Communication) Communicate mathematical ideas, understand definitions, and interpret concepts. (Development of the Whole Person) Increase confidence in understanding mathematical concepts, communicating ideas and thinking analytically.
Mathematics - AS	<ol style="list-style-type: none"> (Critical Thinking) Analyze mathematical problems critically using logical methodology. (Communication) Communicate mathematical ideas, understand definitions, and interpret concepts. (Development of the Whole Person) Increase confidence in understanding mathematical concepts, communicating ideas and thinking analytically.
Mathematics - AS-T	<ol style="list-style-type: none"> (Critical Thinking) Analyze mathematical problems critically using logical methodology. (Communication) Communicate mathematical ideas, understand definitions, and interpret concepts. (Development of the Whole Person) Increase confidence in understanding mathematical concepts, communicating ideas and thinking analytically.
Medical Assisting - AA	<ol style="list-style-type: none"> Prepare competent entry-level professional medical assistance in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains. Respond to the demand of the rapidly changing information technology by incorporating computer literacy in health care to include electronic health records and electronic practice management. Use critical thinking skills in managing care of patients. Acquire and practice the skills for the Certified Medical Assistant examination (CMA-AAMA).
Medical Assisting - Certificate of Achievement	<ol style="list-style-type: none"> Prepare competent entry-level professional medical assistance in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains. Respond to the demand of the rapidly changing information technology by incorporating computer literacy in health care to include electronic health records and electronic practice management. Use critical thinking skills in managing care of patients. Acquire and practice the skills for the Certified Medical Assistant examination (CMA-AAMA).
Multicultural Awareness/ Relations for the Service Provider - Certificate of Proficiency	<ol style="list-style-type: none"> Demonstrate an understanding and provide an overview of the field of human and social services in both the public and private sector. Demonstrate cultural awareness and sensitivity needed to respectfully serve the diverse service population. Demonstrate the ability to use introspection to increase self-awareness.

Multicultural Awareness/ Self-Reflection - Certificate of Proficiency	<ol style="list-style-type: none"> 1. Demonstrate cultural awareness and sensitivity needed to respectfully serve the diverse service population. 2. Demonstrate the ability to use introspection to increase self-awareness.
Museum Studies - AA	<ol style="list-style-type: none"> 1. Develop an understanding and appreciation for the important social and cultural functions of museums of all types. 2. Acquire and practice the skills needed by a range of museum professionals.
Music - AA-T	<ol style="list-style-type: none"> 1. Examine music as a form of expression that reflects personal creativity as well as social, historical, political, religious and cultural changes and influences. 2. Examine and discuss music in relationship to other forms of human expression, including art, architecture, philosophy, religion, and politics. 3. Demonstrate proficiency in communication technologies for the purposes of research, composition, listening, performance, recording, and cross-discipline collaboration.
Music Industry Entrepreneur - Certificate of Proficiency	<ol style="list-style-type: none"> 1. Understand and solve the challenges of self-employment in the music industry. 2. Understand and create a core value proposition for an entrepreneurial venture. 3. Prepare a high quality business plan for a new venture. 4. Effectively navigate the unique legal issues of the music business. 5. Demonstrate proficiency in the fundamentals of music recording.
Numerical Control - AS	<ol style="list-style-type: none"> 1. Demonstrate the expertise needed to fabricate setup, program, and machine parts manually and on numerically controlled lathes and milling machines in a timely and professional manner with minimal supervision. 2. Demonstrate the expertise needed to turn parts using both manual and CNC equipment.
Numerical Control Programmer (Machinist) - Certificate of Achievement	<ol style="list-style-type: none"> 1. Demonstrate the expertise needed to fabricate setup, program, and machine parts manually and on numerically controlled lathes and milling machines in a timely and professional manner with minimal supervision. 2. Demonstrate the expertise needed to turn parts using both manual and CNC equipment.
Nursing - AA	<ol style="list-style-type: none"> 1. Incorporate the core of knowledge unique to the nursing profession in the delivery of health care in acute, chronic, or community health settings. 2. Utilize the nursing process to provide care for clients, families and significant others with diverse health needs and practices. 3. Respond to the demands of rapidly changing information technology by incorporating computer literacy in health care delivery and utilizing the internet for research. 4. Use critical thinking skills in decisions related to managing care for groups of clients. 5. Practice within the profession's ethical and legal framework.
Nursing Program, LVN to RN - AA	<ol style="list-style-type: none"> 1. Incorporate the core of knowledge unique to the nursing profession in the delivery of health care in acute, chronic, or community health settings. 2. Utilize the nursing process to provide care for clients, families and significant others with diverse health needs and practices. 3. Respond to the demands of rapidly changing information technology by incorporating computer literacy in health care delivery and utilizing the internet for research. 4. Use critical thinking skills in decisions related to managing care for groups of clients. 5. Practice within the profession's ethical and legal framework;
Office Technology - Certificate of Achievement	<ol style="list-style-type: none"> 1. Recognize and apply appropriate information and hardware technology to achieve organizational goals. 2. Demonstrate the ability to think critically and analyze problems. 3. Demonstrate the ability to choose appropriate hardware and software and apply information and technology to achieve organizational goals. Demonstrate the ability to keyboard proficiently. 4. Demonstrate the ability to communicate effectively in an office environment.

Office Technology - Certificate of Proficiency	<ol style="list-style-type: none"> 1. Recognize and apply appropriate information and hardware technology to achieve organizational goals. 2. Demonstrate how to organize, communicate and function in a business and office environment. Demonstrate the ability to think critically and analyze problems. 3. Demonstrate Proficiency in Microsoft Office Applications.
PE and Activities – Discipline	<ol style="list-style-type: none"> 1. Demonstrate an appreciation of the relationship between movement, health and wellness. 2. Utilize the proper equipment and knowledge to design, develop, and implement an effective personalized fitness program. 3. Understand movement and skill development as it relates to physical activity.
Personal Fitness Training Entrepreneur - Certificate of Proficiency	<ol style="list-style-type: none"> 1. Ability to provide individualized training programs. 2. Demonstrate proficiency in preparing a basic business plan with a core value proposition for an entrepreneurial venture. 3. Create high quality marketing plans for a new venture. 4. Evaluate and analyze the challenges of self-employment in the personal fitness training industry. B122B1B124:B128
Photography - AA	<ol style="list-style-type: none"> 1. Demonstrate technical competency in the operation of a camera. 2. Demonstrate technical competency making a photographic print. 3. Effectively communicate a unique vision through personal artistic expression and conceptual meaning. 4. Ability to discuss photography in terms of technical merit, aesthetic value, and conceptual meaning.
Photography - Certificate of Proficiency	<ol style="list-style-type: none"> 1. Demonstrate technical competency in the operation of a camera. 2. Demonstrate technical competency making a photographic print. 3. Effectively communicate a unique vision through personal artistic expression and conceptual meaning. 4. Ability to discuss photography in terms of technical merit, aesthetic value, and conceptual meaning.
Physical Education - AA	<ol style="list-style-type: none"> 1. Demonstrate critical thinking skills within the context of exercise, health, and wellness. 2. Utilize the proper equipment and knowledge to design and implement a personalized this program.
Physics – Discipline	<ol style="list-style-type: none"> 1. Demonstrate how to read, diagram and solve qualitatively and quantitatively key physics applications aided by correct and efficient lab experiments using industry standard equipment. 2. Effectively, efficiently, and correctly run lab experiments using industry standard equipment. 3. Demonstrate an understanding of experimentation and real world applications within the scientific method as well as a mastery of physics lab experiments through the submission of a complete lab report with all required elements present.
Political Science - AA-T	<ol style="list-style-type: none"> 1. Develop analytical capacities so that students are able to analyze complex local, domestic, and international political events. 2. Familiarize students with the issues surrounding the exercise of political power.
Psychology - AA-T	<ol style="list-style-type: none"> 1. Demonstrate familiarity with the major concepts, theoretical perspectives, empirical findings, and historical trends in psychology. 2. Respect and use critical and creative thinking, skeptical inquiry, and, when possible, the scientific approach to solve problems related to behavior and mental processes.
Radio and Television Broadcasting - AA	<ol style="list-style-type: none"> 1. Understand the development of the different types of productions created for television. 2. Use the current technology of television to develop and produce broadcast content.

Real Estate - AA	1. Identify and explain duties and obligations and legal aspect of real estate. 2. Acquire and practice skills to pass state licensing exam and a career thereafter. 3. Identify opportunities and strategies for successful real estate ventures
Real Estate - Certificate of Achievement	1. Identify and explain duties and obligations and legal aspect of real estate. 2. Acquire and practice skills to pass state licensing exam and a career thereafter.
Real Estate - Certificate of Proficiency	1. Identify and explain duties and obligations and legal aspect of real estate. 2. Acquire and practice skills to pass state licensing exam and a career thereafter. 3. Identify opportunities and strategies for successful real estate ventures
Real Estate Entrepreneur - Certificate of Proficiency	1. Ability to prepare for the challenges of self-employment or business ownership in the real estate industry. 2. Prepare a basic business plan with a core value proposition for an entrepreneurial venture. 3. Students are prepared for the real estate licensing exam, and to be an effective realtor.
Retail Management - AS	1. Understand and apply practices used in the management of retail stores. 2. Identify the basics of information technology and apply software applications to enhance efficiency of business functions. 3. Create effective oral and written business communications using modern communication technologies. 4. Apply critical thinking and analytical skills in decision making and problem solving.
Retail Management - Certificate of Achievement	1. Understand and apply practices used in the management of retail stores. 2. Identify the basics of information technology and apply software applications to enhance efficiency of business functions. 3. Create effective oral and written business communications using modern communication technologies. 4. Apply critical thinking and analytical skills in decision making and problem solving.
Retailing - Certificate of Proficiency	1. Understand and apply practices used in the management of retail stores. 2. Identify the basics of information technology and apply software applications to enhance efficiency of business functions. 3. Create effective oral and written business communications using modern communication technologies. 4. Apply critical thinking and analytical skills in decision making and problem solving.
Sign Language - Discipline	1. Demonstrate the basic knowledge of ASL. 2. Demonstrate the ability to communicate using the vocabulary learned in class.
Small Business Management - Certificate of Achievement	1. Apply management principles to the selection, establishment, and operation of a small business. 2. Use accounting principles to prepare financial reports for a small business both manually and using software. 3. Develop understanding of the law and the legal environment as it relates to small business operations.
Social Science (General) - AA	1. Students are expected to demonstrate critical understanding of the structure of, and connections between, cultural and social groups historically and in current conditions. 2. Students are expected to develop the ability to employ conceptual frameworks of analysis to understand and evaluate social, cultural, economic, and/or political systems in the United States and abroad.
Sociology - AA-T	1. Compare and contrast social structures (such as families, race/ethnic groups, religions) using the sociological perspective. 2. Use culture as a social construct to explain social phenomena.

Software Specialist - AS	<ol style="list-style-type: none"> 1. Recognize and apply appropriate information and hardware technology to achieve organizational goals. 2. Demonstrate and apply appropriate software applications to achieve organizational goals. 3. Understand basic hardware and software functions of a computer. Develop knowledge of technology applicable to the field, and proficiency in appropriate software. 4. Demonstrate knowledge of technology applicable to the field, and proficiency in appropriate software.
Software Specialist - Certificate of Achievement	<ol style="list-style-type: none"> 1. Recognize and apply appropriate information and hardware technology to achieve organizational goals. 2. Demonstrate and apply appropriate software applications to achieve organizational goals. 3. Understand basic hardware and software functions of a computer. Develop knowledge of technology applicable to the field, and proficiency in appropriate software. 4. Demonstrate knowledge of technology applicable to the field, and proficiency in appropriate software.
Spanish - AA	<ol style="list-style-type: none"> 1. Demonstrate proficiency in understanding and using, orally, the grammatical structures presented and vocabulary assigned. 2. Demonstrate proficiency in understanding and using, in writing, the grammatical structures presented and vocabulary assigned.
Speech Communication - AA	<ol style="list-style-type: none"> 1. Pursue and evaluate knowledge through the skills of inquiry, research and critical thinking. 2. Demonstrate effective skills in written and spoken communication.
Sports Injury Care - Certificate of Achievement	<ol style="list-style-type: none"> 1. Understand, implement safety, prevention, and treatment of athletic injury. 2. Be able to assess a sprain or strain related to athletic injury.
Sports Injury Care - Certificate of Proficiency	<ol style="list-style-type: none"> 1. Understand and demonstrate knowledge of the difference between a sprain and a strain. 2. Be able properly hate and ankle, and elbow, and a knee.
Studio Arts - AA-T	<ol style="list-style-type: none"> 1. Demonstrate visual literacy and explain it in terms of the elements and principles of design. 2. Demonstrate an ability to work with media (drawing, painting, clay, etc.) of each discipline.
Theater Arts/ Theatre Arts - AA	<ol style="list-style-type: none"> 1. Develop and implement pedagogical strategies to achieve it. 2. Refine their curricula and pedagogy to strengthen these student skills. 3. Explore their creative ideas, and this confidence leads to myriad educational goals, not the least is to complete their goals at Chabot and move into the next stage of their lives.
Theater Arts/ Theatre Arts - AA-T	<ol style="list-style-type: none"> 1. Faculty develop and implement pedagogical strategies to achieve it. 2. Refine their curricula analysis of material with the more instinctive, fresh, creative impulses used in response to dramatic material. 3. Explore their creative ideas, and this confidence leads to myriad educational goals, not the least is to complete their goals at Chabot and move into the next stage of their lives.
Tool Maker - Certificate of Achievement	<ol style="list-style-type: none"> 1. Demonstrate the expertise needed to fabricate machined parts in a timely and professional manner with minimal supervision. 2. Demonstrate the ability to create basic CNC machine tool setups.
Welding - Certificate of Proficiency	<ol style="list-style-type: none"> 1. Demonstrate the qualifications needed to gain interim welding positions required by the; manufacturing, fabrication, maintenance and construction industrial activities. They should be able to apply their skills and knowledge in a professional manner under supervision. 2. Pass the American Welding Society (A.W.S) tests in the appropriate areas of study.
Welding Technology - AS	<ol style="list-style-type: none"> 1. Demonstrate the proficiency needed to perform; manufacturing, fabrication, maintenance and construction tasks to be in compliance with the industrial norms, codes and standards. They should be able to apply their skills and knowledge in a professional manner under minimum to no supervision. 2. Pass the American Welding Society (A.W.S) tests in the appropriate areas of study.