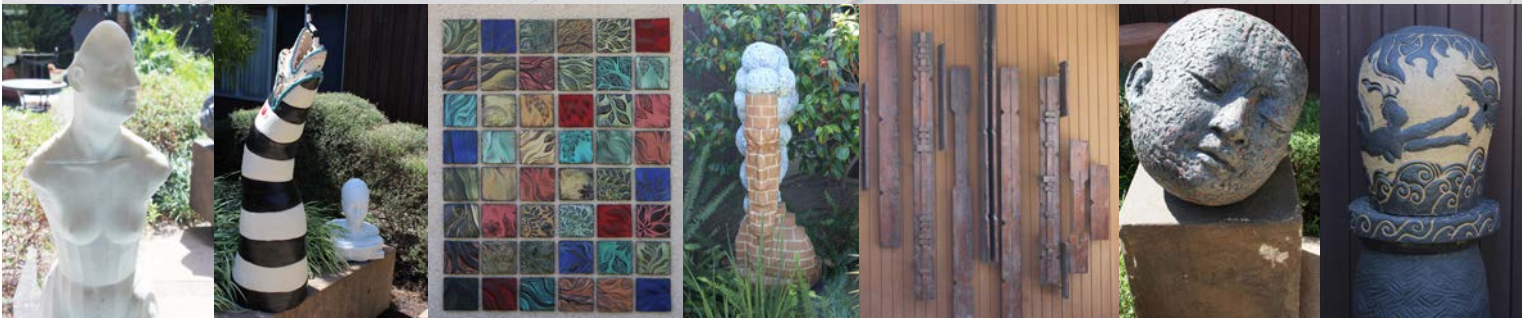




Catalog Addendum 2021-2022





CATALOG UPDATE

The current Chabot College catalog covers the period 2020-2022. Chabot College will not produce a new catalog this year but, rather, this addendum which reflects all changes or corrections through Fall 2022. It is anticipated that a fully revised college catalog will be produced for 2022-2024.

This catalog supplement should be used by students and staff along with the existing 2020-2022 Chabot College Catalog. Students are strongly encouraged to seek advice from the Counseling Division. Additional information and publications will be made available to students throughout the year as appropriate.





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DEGREES & CERTIFICATES

Program	Associate in Arts		Associate in Science		Certificate of Achievement	Certificate of Proficiency*	Certificate of Competency	Certificate of Completion
	AA	AA-T	AS	AS-T				
ASE Test Preparation								X
ASE Under Car Test Preparation								X
Acting: Advanced					X			
Acting: Fundamentals					X			
Accounting			X					
Accounting Technician					X			
Administration of Justice	X			X				
Administrative Assistant					X			
Advanced Manufacturing Technology			X		X			
Africana and African American Studies					X			
Animation					X			
Anthropology	X	X						
Aquatics					X			
Architecture	X							
Architecture Technology					X			
Art History	X	X						
Asian American Studies					X			
Audio Recording					X			
Automotive Technology -Emphasis, Maintenance			X					
Automotive Technology -Emphasis, Chassis			X					
Automotive Technology -Emphasis, Drivetrain			X					
Automotive Technology -Emphasis, Engine Performance			X					
Automotive Maintenance Technology					X			
Automotive Chassis Technology					X			
Automotive Service Consulting					X			
Behavioral Science	X							
Biology	X			X				
Biology—Emphasis in Allied Health	X							
Bookkeeping					X			
Business—Emphasis, General Business			X					
Business—Emphasis, Management			X					
Business—Emphasis, Marketing			X					
Business Administration				X	X			
CPA Exam Preparation: Auditing and Attestation						X		
CPA Exam Preparation: Business Environment and Concepts						X		
CPA Exam Preparation: Financial Accounting and Reporting						X		
CPA Exam Preparation: Regulation						X		

*Certificates of Proficiency are not posted on the student's transcript per Title 5§55070(b).



DEGREES & CERTIFICATES

Program	Associate in Arts		Associate in Science		Certificate of Achievement	Certificate of Proficiency*	Certificate of Competency	Certificate of Completion
	AA	AA-T	AS	AS-T				
California State University General Education Breadth (CSU/GE Breadth)					X			
Chemistry			X					
Chicanx and Latinx Studies					X			
Chinese					X			
Coaching					X			
Communication Studies		X						
Computational Design					X			
Computer Science			X					
Creative Writing						X		
Dental Hygiene			X					
Dental Radiation Safety					X			
Digital Media Arts					X			
Digital Photography					X			
Early Childhood Administration					X			
Early Childhood Curriculum Specialist / Transitional Kindergarten					X			
Early Childhood Development	X							
Early Childhood Development (Basic Teacher)					X			
Early Childhood Development (Associate Teacher)					X			
Early Childhood Education				X				
Early Childhood Intervention	X							
Early Childhood Intervention Assistant					X			
Economics		X						
Educational Aide					X			
Electronic Systems Technology			X					
ESYS: Consumer Technology					X			
ESYS: Industrial Electronic Technology					X			
Elementary Teacher Education		X						
Engineering			X					
English		X						
English (Emphasis in Creative Writing)	X							
English (Emphasis in Literature)	X							
Enrolled Agent (EA) Exam Preparation						X		
Entrepreneurship			X			X		
Environmental Studies	X							
Environmental Science			X					
Ethnic Studies	X							
Family Child Care Entrepreneurship					X			
Film and Animation	X							
Filmmaking					X			

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DEGREES & CERTIFICATES

Program	Associate in Arts		Associate in Science		Certificate of Achievement	Certificate of Proficiency*	Certificate of Competency	Certificate of Completion
	AA	AA-T	AS	AS-T				
Film, Television and Electronic Media				X				
Fine Art Ceramics	X							
Fine Art Painting and Drawing	X							
Fine Art Photography	X							
Fine Art Sculpture	X							
Fine Art Studio Foundations	X							
Fire Fighter Academy					X			
Fire Technology			X		X			
Fire Prevention Inspector			X		X			
Fitness Instructor					X			
French	X				X			
Geographic Information Systems						X		
Geography	X	X						
Global Studies		X						
Graphic Design	X				X			
Harmony & Musicianship					X			
Health Care Administrator					X			
Health Information Coding					X			
History		X						
Human Resources Assistant					X			
Human Services			X					
Humanities	X							
Hybrid and Alternative Fuel Vehicles					X			
Industrial Technology			X					
Infant/Toddler Specialist					X			
Information Technology			X		X			
Inspection and Pipe Welding						X		
Interior Design			X		X			
International Entrepreneur - Chinese					X			
International Entrepreneur – French					X			
International Entrepreneur – Japanese					X			
International Entrepreneur – Spanish					X			
International Studies	X							
Interpersonal Communication					X			
Intersegmental General Education Transfer Curriculum (IGETC)					X			
Italian					X			
Japanese					X			
Journalism	X	X						
Kinesiology		X						
Kitchen and Bath Design					X			

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DEGREES & CERTIFICATES

Program	Associate in Arts		Associate in Science		Certificate of Achievement	Certificate of Proficiency*	Certificate of Competency	Certificate of Completion
	AA	AA-T	AS	AS-T				
Law Enforcement					X			
Liberal Arts - Option in Arts and Humanities	X							
Liberal Arts - Option in Communication in the English Language	X							
Liberal Arts - Option in Social and Behavioral Science	X							
Liberal Arts - Option in Kinesiology and Wellness	X							
Liberal Arts - Option in Mathematics and Sciences	X							
LVN-RN			X					
Machine Tool Technology			X					
Machinist					X			
Management					X			
Marketing					X			
Mass Communications	X							
Mathematics	X		X	X				
Medical Assisting			X		X			
Music		X						
Music Production					X			
Music Technology & Production	X							
Non-Credit Preparation in English Composition							X	
Numerical Control			X					
Numerical Control Programmer (Machinist)					X			
Nursing			X					
Nutrition and Dietetics				X				
Paralegal Studies					X			
Pathway to Sports Injury Care					X			
Persuasive and Rhetorical Communication					X			
Philosophy	X	X						
Photography						X		
Physics				X				
Political Science		X						
Prealgebra							X	
Preparation for Academic ESL							X	
Preparation for BSTEM Math							X	
Preparation for Statistics and Liberal Arts Math							X	
Project Management						X		
Psychology		X						
Public Speaking and Forensics					X			
Public Health Science				X				

*Certificates of Proficiency are not posted on the student's transcript per Title 5§55070(b).



DEGREES & CERTIFICATES

Program	Associate in Arts	Associate in Science	Certificate of Achievement	Certificate of Proficiency*	Certificate of Competency	Certificate of Completion
Radio and Television Broadcasting	X					
Real Estate	X					
Real Estate Agent				X		
Real Estate Broker			X			
Real Estate Entrepreneur				X		
Retail Management			X			
Retailing				X		
Rhetoric				X		
Small Business Management			X			
Social Justice: African American Studies		X				
Social Justice: Asian American Studies		X				
Social Justice: Chicano Studies		X				
Social Justice Studies: Ethnic Studies		X				
Social Science	X					
Social Work And Human Services		X				
Sociology		X				
Software Specialist			X	X		
Spanish	X	X		X		
Speech Communication	X					
Student Support Leadership -Emphasis in Tutoring			X			
Studio Arts		X				
Tax Preparer			X			
Technical Design Drafting				X		
Technology-Based Automotive Systems			X			
Theatre Arts	X	X				
Tool Maker			X			
Welding				X		
Welding Technology			X			
Women's Studies			X			

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CHABOT COLLEGE PROGRAM LEARNING OUTCOMES (PLOS)

1. As part of its accreditation, Chabot College focuses on Student Learning Outcomes (SLOs) and Program Learning Outcomes (PLOS). SLOs and PLOS, are the results or evidence of student learning. They demonstrate the extent to which student performance meets expectations of learning.
2. These results, to be collected at the course, program and college levels, will be shared widely and used for the improvement of teaching and learning and for the improvement of the college as a whole.
3. These are the current Program Learning Outcomes (PLOS).
4. For more information, see the Student Learning Outcomes webpage at www.chabotcollege.edu/planning/outcome-assessment/index.php.





CHABOT COLLEGE PROGRAM LEARNING OUTCOMES (PLOS)

Program – Degree/ Certificate	Outcomes
Accounting – AS	<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. Apply critical thinking and analytical skills in decision making and problem solving. 4. Create effective oral and written business communications using modern communication technologies.
Accounting Technician – COA	<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.
Administration of Justice – AA	<ol style="list-style-type: none"> 1. 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. 2. Evaluate and analyze criminal justice issues and topics using knowledge of criminal justice institutions, terminology, theory and ethical issues in crime and justice.
Administration of Justice – AS-T	<ol style="list-style-type: none"> 1. Evaluate and analyze criminal justice issues and topics using knowledge of criminal justice institutions, terminology, theory and ethical issues in crime and justice. 2. 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"> 1. Proficiency in keyboarding skills. 2. Students are able to organize, communicate and function in a business and office environment, using appropriate terminology and English skills. 3. Demonstrate knowledge of office application software and be able to apply the appropriate software to solve problems. 4. Proficiency in Microsoft Office Applications.
Administrative Assistant– COA	<ol style="list-style-type: none"> 1. Become proficient in computer applications and use them to solve common business problems. 2. Apply critical thinking and analytical skills in decision making and problem solving. 3. Create effective oral and written business communications, including quantitative report, using modern communication technologies.
Advanced Manufacturing Technology – AS	<ol style="list-style-type: none"> 1. The student will identify and characterize the manufacturing processes of an advanced manufacturing operation 2. The student will demonstrate a fundamental proficiency of preparing 2D and 3D digital drawing and part files for automated manufacturing. 3. The student will demonstrate the skills appropriate to the selected area of specialization for entry to the advanced manufacturing workforce.

<p>Advanced Manufacturing Technology – COA</p>	<ol style="list-style-type: none"> 1. The student will identify and characterize the manufacturing processes of an advanced manufacturing operation. 2. The student will demonstrate a fundamental proficiency of preparing 2D and 3D digital drawing and part files for automated manufacturing.
<p>Africana and African American Studies – COA</p>	<ol style="list-style-type: none"> 1. Evaluate the development of the field of African American Studies; 2. Effectively employ interdisciplinary methodologies in the analysis of issues stemming from structural and systemic oppression of African Americans; 3. Identify and describe the general history and diversity of African American people in the U.S. and the Diaspora; 4. Examine solutions toward social change, equity, and justice.
<p>Animation – COA</p>	<ol style="list-style-type: none"> 1. Create animations using the 12 principles of animation with a strong storytelling framework; 2. Communicate using animation, confidently in work, presentation, and writing; 3. Apply animation principles as a dynamic progression of research, speculation, experimentation, prototyping, critique and refinement; 4. Develop basic animation business practices to include freelancing strategies, portfolio creation and promotion, and professional communication strategies.
<p>Anthropology – AA</p>	<ol style="list-style-type: none"> 1. Analyze human biological and cultural adaptations. In this context, evaluate the different factors that have affected, and are affecting humans biologically and culturally. 2. Analyze the factors that cause modern humans biological and cultural diversity, and demonstrate an appreciation for, and sensitivity to human biological and cultural diversity.
<p>Anthropology – AA-T</p>	<ol style="list-style-type: none"> 1. Analyze human biological and cultural adaptations. In this context, evaluate the different factors that have affected, and are affecting humans biologically and culturally. 2. Analyze the factors that cause modern humans biological and cultural diversity, and demonstrate an appreciation for, and sensitivity to human biological and cultural diversity.
<p>Aquatics – COA</p>	<ol style="list-style-type: none"> 1. Students will learn to use the equipment safely and effectively. 2. Students will learn the biomechanics as they pertain to four competitive strokes; free style, backstroke, breaststroke, and butterflies. 3. Students will learn to track heart rate effectively for resting heart rate (RHR) and during the performance of exercise.
<p>Architecture – AA</p>	<ol style="list-style-type: none"> 1. Develop architectural and freehand. 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.
<p>Architecture Technology – COA</p>	<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.
<p>Art History – AA-T</p>	<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.

<p style="text-align: center;">Art History – AA</p>	<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.
<p style="text-align: center;">ASE Test Preparation – Certificate of Completion</p>	<ol style="list-style-type: none"> 1. Demonstrate the expertise needed to successfully pass Automotive Service Excellence (ASE) certification examinations in the applicable subject areas.
<p style="text-align: center;">ASE Under Car Test Preparation – Certificate of Completion</p>	<ol style="list-style-type: none"> 1. Demonstrate the expertise needed to successfully pass Automotive Service Excellence (ASE) certification examinations in the applicable subject areas.
<p style="text-align: center;">Asian American Studies – COA</p>	<ol style="list-style-type: none"> 1. Demonstrate comparative and relational understanding of the diverse histories, cultures, and contemporary experiences of the Asian American community; 2. Analyze institutional, structural, and ideological forces that shape the experiences of Asian Americans; 3. Examine solutions toward social change, equity, and justice among Asian American communities and between Asian Americans and other racial/ethnic groups.
<p style="text-align: center;">Automotive Chasis Technology – COA</p>	<ol style="list-style-type: none"> 1. Demonstrate the expertise needed to perform vehicle maintenance, service, diagnosis, and repair of current vehicles. 2. Display the confidence 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. 4. Prepared to obtain employment in the automotive industry.
<p style="text-align: center;">Automotive Maintenance Technology – COA</p>	<ol style="list-style-type: none"> 1. Demonstrate the expertise needed to perform vehicle maintenance, service, diagnosis, and repair of current vehicles. 2. Display the confidence 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. 4. Prepared to obtain employment in the automotive industry.
<p style="text-align: center;">Automotive Service Consulting – COA</p>	<ol style="list-style-type: none"> 1. Demonstrate the expertise needed to perform service consultant functions in a timely and professional manner with limited supervision; 2. Demonstrate an ethical code conforming to the highest standards of the automotive industry; 3. Prepared to obtain employment in the automotive industry.
<p style="text-align: center;">Automotive Technology – AS</p>	<ol style="list-style-type: none"> 1. Demonstrate the expertise needed to perform service consultant functions in a timely and professional manner with limited supervision; 2. Demonstrate an ethical code conforming to the highest standards of the automotive industry; 3. Prepared to obtain employment in the automotive industry.
<p style="text-align: center;">Behavioral Science – AA</p>	<ol style="list-style-type: none"> 1. Demonstrate an understanding of research methods used in the behavioral sciences. 2. Demonstrate an understanding of the major theoretical perspectives included the behavioral sciences.

<p align="center">Biology – AS-T</p>	<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.
<p align="center">Biology – AA</p>	<ol style="list-style-type: none"> 1. Communicate biological concepts by written, verbal, and graphical/illustrative means. 2. Demonstrate critical thinking and/or laboratory skills required to interpret data from a variety of experimental, written, and visual sources to answer biological questions. 3. Describe relationships between structure and function at multiple levels of biological organization. 4. Summarize how hereditary information is expressed and passed from generation to generation. 5. Describe how diversity arises by evolutionary change and how the unity of living systems results from evolutionary conservation.
<p align="center">Biology-Emphasis in Allied Health – AA</p>	<ol style="list-style-type: none"> 1. Acquire, conduct, analyze, and interpret data using scientific terminology, measurements, and protocols. 2. Explain the interdependence of molecular through organismal structure and function in both health and disease.
<p align="center">Bookkeeping – COA</p>	<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.
<p align="center">Business Administration– AS-T</p>	<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.
<p align="center">Business – AS</p>	<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.
<p align="center">Business Administration– COA</p>	<ol style="list-style-type: none"> 1. Understand and apply generally accepted accounting principles to prepare financial statements. 2. Create effective oral and written business communications using modern communication technologies. 3. Apply critical thinking and analytical skills in decision making and problem solving. 4. Develop understanding of the law and the legal environment as it relates to business operations, including ethical considerations.

Chemistry – AS	<ol style="list-style-type: none"> 1. Demonstrate ability to think, reason, and communicate critically, analytically and abstractly. 2. Apply the scientific method to experimentation, college and analyze data and communicate findings in written and oral formats.
Chicanx and Latinx Studies – COA	<ol style="list-style-type: none"> 1. Demonstration an understanding of the diversity within the Chicanx and Latinx community; 2. Analyze issues stemming from social, economic, and political systems characterized by institutional and structural discrimination; 3. Examine solutions toward social change, equity, and justice.
Chinese – COA	<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.
Coaching – COA	<ol style="list-style-type: none"> 1. Plan and implement individual and team training plan prior to the season of sport. 2. Use sports training equipment in a specific and proper manner.
Communication Studies – AA-T	<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.
Computational Design – COA	<ol style="list-style-type: none"> 1. 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, safety, manufacturability, and sustainability; 2. Demonstrate an ability to apply knowledge of mathematics, science, and engineering.
Computer Science – AS	<ol style="list-style-type: none"> 1. Demonstrate fluency in programming. 2. Demonstrate knowledge of at least one additional programming language besides C++.
CPA Exam Preparation: Auditing and Attestation – COP	<ol style="list-style-type: none"> 1. Prepared in terms of the CPA exam's content.
CPA Exam Preparation: Business Environment and Concepts – COP	<ol style="list-style-type: none"> 1. Prepared in terms of the CPA exam's content.
CPA Exam Preparation: Financial Accounting and Reporting – COP	<ol style="list-style-type: none"> 1. Prepared in terms of the CPA exam's content.
CPA Exam Preparation: Regulation – COP	<ol style="list-style-type: none"> 1. Prepared in terms of the CPA exam's content.
Creative Writing – COP	<ol style="list-style-type: none"> 1. Student produces a body of quality creative work. 2. Student forms a critical response to the creative writings of others.
CSU GE Breadth – COA	<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.

<p>Dental Hygiene – AS</p>	<ol style="list-style-type: none"> 1. Develop and implement a comprehensive dental hygiene care plan. 2. Communicate effectively with diverse populations for the prevention of disease and the promotion of health. 3. Implement and perform infection control policies and protocols. 4. Comply with the laws, regulations and ethical standards for dental hygiene care.
<p>Dental Radiation Safety – COA</p>	<ol style="list-style-type: none"> 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.
<p>Digital Media Arts – COA</p>	<ol style="list-style-type: none"> 1. Create digital compositions, and time based media using design skills with strong conceptual abilities. 2. Communicate digital media clearly, confidently in work, presentation, and writing. 3. Develop basic business practices to include freelancing strategies, portfolio creation and promotion, and professional communication strategies. 4. Apply the creative process as a dynamic progression of research, speculation, experimentation, prototyping, critique and refinement.
<p>Digital Photography – COA</p>	<ol style="list-style-type: none"> 1. Effectively communicate a unique vision through personal artistic expression and conceptual meaning. 2. Ability to discuss photography in terms of technical merit, aesthetic value, and conceptual meaning. 3. Demonstrate technical competency making a photographic print. 4. Demonstrate technical competency in the operation of a camera.
<p>Early Childhood Administration – COA</p>	<ol style="list-style-type: none"> 1. Apply administrative skills in the various types of care and education programs, including knowledge of strategic and fiscal planning, evaluation of quality programs, facilities and operations, and supervision of staff; 2. Establish professional relationships and facilitate collaboration and communication between colleagues, families, and stakeholders to administer care and education programs that support positive, developmental play and learning outcomes for all children.
<p>Early Childhood Curriculum Specialist/ Transitional Kindergarten – COA</p>	<ol style="list-style-type: none"> 1. Explain the roles of the California Preschool Learning Foundations and Frameworks in the education of young children and their relationship to the Desired Results Developmental Profile (DRDP), and Content Standards for California Public Schools (kindergarten). 2. Plan environments, opportunities and family engagement to support children's learning and development in all content areas. 3. Apply ethical standards and professional behaviors that demonstrate understanding of the needs, the characteristics and multiple influences on the development of children birth to age eight as related to high quality care and education of young children.
<p>Early Childhood Development (Associate Teacher) – COA</p>	<ol style="list-style-type: none"> 1. Student will be able to use their understanding of young children's characteristics and needs and multiple interacting influences on young children's development and learning to create environments that are healthy, respectful, supportive and challenging for all children.
<p>Early Childhood Development (Basic Teacher) – COA</p>	<ol style="list-style-type: none"> 1. Observe, reflect, develop and carry out an activity that is developmentally appropriate for a group of young children. 2. Demonstrate their understanding of children's development through documentation of their skills.

<p>Early Childhood Development – AA</p>	<ol style="list-style-type: none"> 1. Demonstrate reflective practice in their work with young children by building awareness of self as teacher, child as learner, and early childhood pedagogy. 2. Demonstrate an understanding of child development theory, current research, and trends in the field, and their application to responsive practice in early care settings.
<p>Early Childhood Education – AS-T</p>	<ol style="list-style-type: none"> 1. Apply ethical standards and professional behaviors that demonstrate understanding of the needs, the characteristics and multiple influences on the development of children birth to age eight as related to high quality care and education of young children. 2. Design, implement, and evaluate environments and activities that support positive, developmental play, and learning outcomes for all children.
<p>Early Childhood Intervention Assistant – COA</p>	<ol style="list-style-type: none"> 1. Demonstrate an understanding of atypical development in children birth through age 8 by designing an environment and planning curriculum that meets the diverse needs and learning styles of all children.
<p>Early Childhood Intervention – AA</p>	<ol style="list-style-type: none"> 1. Design, implement and evaluate environments and activities that support positive, developmental play and learning outcomes for children with special needs. 2. Develop strategies that promote partnerships between programs, teachers, families and their communities to meet the needs of children with special needs and their families.
<p>Economics – AA-T</p>	<ol style="list-style-type: none"> 1. Demonstrate an understanding of microeconomic and macroeconomics principles by answering both qualitative and quantitative questions and problems presented to the students on a daily basis. 2. Demonstrate an ability to evaluate and reframe the interaction that takes place among households and firms in a modern economic setting. 3. Demonstrate clearly the major differences between microeconomic and macroeconomics principles and how the solutions vary between these disparate courses.
<p>Electronic Systems Technology – AS</p>	<ol style="list-style-type: none"> 1. Specify, install, program, operate, troubleshoot, and modify electronics systems. 2. Communicate with effective oral and written communication skills.
<p>Elementary Teacher Education – AA-T</p>	<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.
<p>Engineering – AS</p>	<ol style="list-style-type: none"> 1. Engineering students shall 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, safety, manufacturability, and sustainability; 2. Engineering students shall demonstrate an ability to apply knowledge of mathematics, science, and engineering.
<p>English-Emphasis in Literature – AA</p>	<ol style="list-style-type: none"> 1. Demonstrate an ability to read and understand complex academic texts; 2. Demonstrate a critical response to the ideas and information in academic texts.
<p>English – AA-T</p>	<ol style="list-style-type: none"> 1. Critically respond to the ideas and information in academic texts. 2. Independently read and understand complex academic texts.

<p>Entrepreneurship – AS</p>	<ol style="list-style-type: none"> 1. Discuss entrepreneurship and its potential impact on society and self. 2. Identify and evaluate business opportunities. 3. Prepare high quality marketing and business plans for a new venture.
<p>Environmental Science – AS</p>	<ol style="list-style-type: none"> 1. Communicate ecological, biological and physical science concepts by written, verbal, and graphical/illustrative means; 2. Demonstrate critical thinking and/or laboratory skills required to interpret data from a variety of experimental, written, and visual sources to answer scientific questions; 3. Describe relationships between structure and function at multiple levels of biological organization with emphasis on population, community, ecosystem and biome levels; 4. Describe how diversity arises by evolutionary change and how the unity of living systems results from evolutionary conservation; 5. Describe interactions of organisms with each other and with their environment.
<p>Environmental Studies – AA</p>	<ol style="list-style-type: none"> 1. Illustrate how human history has shaped our relationship to the environment. 2. Describe how human behavior, including our production of energy and use of natural resources, affects the environment and processes in the earth's systems.
<p>ESYS: Consumer Technology – COA</p>	<ol style="list-style-type: none"> 1. Demonstrate fundamental knowledge of basic and advanced electronics. 2. Demonstrate the proper use of electronic testing equipment along with appropriate interpretation of results in the Laboratory.
<p>ESYS: Industrial Electronic Technology – COA</p>	<ol style="list-style-type: none"> 1. Apply knowledge of electronic principles to the areas of robotics, mechatronics, IoT and process control systems. 2. Demonstrate the proper use of electronic testing equipment along with appropriate interpretation of results in the Laboratory. 3. Troubleshooting faults in circuit or system operation by assessing quantitative calculations or measurements in the Laboratory.
<p>Ethnic Studies – AA</p>	<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.
<p>Family Child Care Entrepreneurship – COA</p>	<ol style="list-style-type: none"> 1. Use their own knowledge, appropriate early learning standards, and other resources to design, implement, and evaluate meaningful, challenging curricula for each child in their family child care. 2. Assess the value of traditional and new local promotional tools, and be able to select and utilize appropriate tools for family child care business.
<p>Film and Animation – AA</p>	<ol style="list-style-type: none"> 1. Conceptualize, plan, execute, and deliver motion picture content using film and animation practices, theory and techniques, while demonstrating technical proficiency in industry standard hardware and software. 2. Communicate motion picture storytelling, confidently in work, presentation, and writing. 3. Apply the motion picture creative process as a dynamic progression of research, speculation, experimentation, prototyping, critique and refinement.
<p>Film, Television and Electronic Media – AS-T</p>	<ol style="list-style-type: none"> 1. Conceptualize, plan, execute, and deliver film, television, and digital media content using film, television and digital media practices, theory and techniques, while demonstrating technical proficiency in industry standard hardware and software; 2. Apply film, television and electronic media's creative process as a dynamic progression of research, speculation, experimentation, revision, critique and refinement; 3. Communicate film, television, radio and electronic media storytelling, confidently in work, presentation, and writing; 4. Develop basic business practices for the film, television and electronic media industry to include freelancing strategies, portfolio creation and promotion, and professional communication strategies.

<p align="center">Filmmaking – COA</p>	<ol style="list-style-type: none"> 1. Conceptualize, plan, execute, and deliver motion picture content using film and animation practices, theory and techniques, while demonstrating technical proficiency in industry standard hardware and software. 2. Communicate motion picture storytelling, confidently in work, presentation, and writing. 3. Apply the motion picture creative process as a dynamic progression of research, speculation, experimentation, revision, critique and refinement. 4. Develop basic business practices for the motion picture industry to include freelancing strategies, portfolio creation and promotion, and professional communication strategies.
<p align="center">Fine Art Ceramics – AA</p>	<ol style="list-style-type: none"> 1. Gain functional competence with principles of visual organization, including the ability to work with visual elements in two and three dimensions; color theory and its applications; and drawing. 2. Present work that demonstrates perceptual acuity, conceptual understanding, and technical facility at a professional entry level in ceramics. 3. Become familiar with the historical achievements, current major issues, processes, and directions of ceramics. 4. Be afforded opportunities to exhibit their work and to experience and participate in critiques and discussions of their work and the work of others.
<p align="center">Fine Art Painting and Drawing – AA</p>	<ol style="list-style-type: none"> 1. Gain functional competence with principles of visual organization, including the ability to work with visual elements in two and three dimensions; color theory and its applications; and drawing. 2. Present work that demonstrates perceptual acuity, conceptual understanding, and technical facility at a professional entry level in painting and drawing. 3. Become familiar with the historical achievements, current major issues, processes, and directions of painting and drawing. 4. Be afforded opportunities to exhibit their work and to experience and participate in critiques and discussions of their work and the work of others.
<p align="center">Fine Art Photography – AA</p>	<ol style="list-style-type: none"> 1. Students will be able to demonstrate technical competency in the operation of a camera. They will be able to use both automatic and manual exposure modes to capture images that are technically accurate in terms of tone, color and contrast. 2. Students will be able to demonstrate technical competency making a photographic print. Optimize photographic images in terms of color and resolution for print use, and be able to print large scale images 11x14 or large. 3. Students will be able to effectively communicate a unique vision through personal artistic expression and conceptual meaning. Editing in Adobe Photoshop students will create images that move beyond just the technical and demonstrate a vision of the world unique to them through crop, color and image adjustments. 4. Students will demonstrate the ability to discuss photography in terms of technical merit, aesthetic value, and conceptual meaning. During assignments, lectures and critiques students will use appropriate terminology to discuss the work of historical photographers, contemporary photographers, and the work of their fellow artists in class.
<p align="center">Fine Art Sculpture – AA</p>	<ol style="list-style-type: none"> 1. Gain functional competence with principles of visual organization, including the ability to work with visual elements in two and three dimensions; color theory and its applications; and drawing. 2. Present work that demonstrates perceptual acuity, conceptual understanding, and technical facility at a professional entry level in sculpture. 3. Become familiar with the historical achievements, current major issues, processes, and directions of sculpture. 4. Be afforded opportunities to exhibit their work and to experience and participate in critiques and discussions of their work and the work of others.

<p style="text-align: center;">Fine Art Studio Foundations – AA</p>	<ol style="list-style-type: none"> 1. Gain functional competence with principles of visual organization, including the ability to work with visual elements in two and three dimensions; color theory and its applications; and drawing. 2. Present work that demonstrates perceptual acuity, conceptual understanding, and technical facility at a professional entry level in their chosen field(s). 3. Become familiar with the historical achievements, current major issues, processes, and directions of their field(s). 4. Be afforded opportunities to exhibit their work and to experience and participate in critiques and discussions of their work and the work of others.
<p style="text-align: center;">Fire Fighter Academy – COA</p>	<ol style="list-style-type: none"> 1. Demonstrate knowledge and skills required to respond safely and effectively to fire and environmental emergency situations at the private, city, state and federal levels with emphasis in one or more of the following areas: structural fire suppression and rescue incidents; hazardous materials operations-level incidents; wildland fire incidents; emergency medical first responder and basic life support incidents. 2. Identify minimum qualifications and entry-level skills for firefighter hiring. The student will be able to describe the following elements: application process; written exam process; physical ability exam; oral interview; chief's interview; background investigation; and firefighter probationary process.
<p style="text-align: center;">Fire Prevention Inspector– AS</p>	<ol style="list-style-type: none"> 1. Identify and comprehend laws, regulations, codes and standards that influence fire department operations, and identify regulatory and advisory organizations that create and mandate them, especially in the areas of fire prevention, building codes and ordinances, and firefighter health and safety. 2. Perform basic fire inspector tasks involving report writing, building inspection, code compliance, records management and measurements and calculations as they relate to the International Fire and Building Codes, California edition. 3. Analyze the effects of fire on the environment and relate how the efforts of modern day fire prevention technology, fire protection equipment and systems, and building construction for fire protection contribute to the protection of society against unwanted fire. 4. Identify and describe common types of building construction and conditions associated with structural collapse and firefighter safety.
<p style="text-align: center;">Fire Prevention Inspector– COA</p>	<ol style="list-style-type: none"> 1. Perform basic fire inspector tasks involving report writing, building inspection, code compliance, records management and measurements and calculations as they relate to the California Fire and Building Codes. 2. Analyze the effects of fire on the environment and relate how the efforts of modern day fire prevention technology, fire protection equipment and systems, and building construction for fire protection contribute to the protection of society against unwanted fire.
<p style="text-align: center;">Fire Technology – AS</p>	<ol style="list-style-type: none"> 1. Demonstrate knowledge and skills required to respond safely and effectively to fire and environmental emergency situations at the private, city, state and federal levels with emphasis in one or more of the following areas: structural fire suppression and rescue incidents; hazardous materials operations-level incidents; wildland fire incidents; emergency medical first responder and basic life support incidents. 2. Identify minimum qualifications and entry-level skills for fire fighter hiring. 3. The student will be able to describe the following elements: application process; written exam process; physical ability exam; oral interview; chief's interview; background investigation; and firefighter probationary process.

<p style="text-align: center;">Fire Technology – COA</p>	<ol style="list-style-type: none"> 1. Demonstrate knowledge and skills required to respond safely and effectively to fire and environmental emergency situations at the private, city, state and federal levels with emphasis in one or more of the following areas: structural fire suppression and rescue incidents; hazardous materials operations-level incidents; wildland fire incidents; emergency medical first responder and basic life support incidents. 2. Identify minimum qualifications and entry-level skills for firefighter hiring. 3. The student will be able to describe the following elements: application process; written exam process; physical ability exam; oral interview; chief's interview; background investigation; and firefighter probationary process.
<p style="text-align: center;">Fitness Instructor – COA</p>	<ol style="list-style-type: none"> 1. Demonstrate an ability to teach, perform and correct a clean. 2. Demonstrate an understanding of resting and target heart rates. 3. Demonstrate an ability to teach, perform and correct a dead lift.
<p style="text-align: center;">French – AA</p>	<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.
<p style="text-align: center;">French – COA</p>	<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
<p style="text-align: center;">Geographic Information Systems – COP</p>	<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.
<p style="text-align: center;">Geography – AA</p>	<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.
<p style="text-align: center;">Geography – AA-T</p>	<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.
<p style="text-align: center;">Global Studies – AA-T</p>	<ol style="list-style-type: none"> 1. Develop a strong comprehension of international politics and U.S. foreign policy. 2. Encourage active engagement with international affairs current events 3. Ability to link international developments to national politics and elections, and the everyday activities of individuals
<p style="text-align: center;">Graphic Design – AA</p>	<ol style="list-style-type: none"> 1. Create visual compositions using design skills with strong conceptual abilities. 2. Communicate visual ideas clearly, confidently in work, presentation, and writing. 3. Apply the creative process as a dynamic progression of research, speculation, experimentation, prototyping, critique and refinement. 4. Develop basic business practices to include freelancing strategies, portfolio creation and promotion, and professional communication strategies.
<p style="text-align: center;">Graphic Design – COA</p>	<ol style="list-style-type: none"> 1. Create visual compositions using design skills with strong conceptual abilities. 2. Communicate visual ideas clearly, confidently in work, presentation, and writing. 3. Apply the creative process as a dynamic progression of research, speculation, experimentation, prototyping, critique and refinement. 4. Develop basic business practices to include freelancing strategies, portfolio creation and promotion, and professional communication strategies.

<p style="text-align: center;">Harmony & Musicianship – COA</p>	<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.
<p style="text-align: center;">Health Care Administrator (COA)</p>	<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.
<p style="text-align: center;">Health Information Coding (COA)</p>	<ol style="list-style-type: none"> 1. Analyze medical terminology, diseases/disorders, diagnostic modalities, and treatment in medical record documentation to effectively convert written words into Current Procedural Terminology (CPT), International Classification of Diseases (ICD-10-CM) and Healthcare Common Procedure Coding System (HCPCS) codes; 2. Evaluate law and ethics as it relates to the business of medicine and the medical coding profession; 3. Interpret and apply coding guidelines and requirements to demonstrate correct coding using Current Procedural Terminology (CPT), International Classification of Diseases (ICD-10-CM) and Healthcare Common Procedure Coding System (HCPCS) manuals; 4. Use critical thinking to translate the highest level of specificity when selecting Current Procedural Terminology (CPT), International Classification of Diseases (ICD) and Healthcare Common Procedure Coding System (HCPCS) codes; 5. Identify correct billing procedures/processes for medical insurance and third-party reimbursements; 6. Identify coding errors and apply appropriate corrections prior to reporting to third party payers for healthcare services.
<p style="text-align: center;">History – AA-T</p>	<ol style="list-style-type: none"> 1. Analyze the causes and consequences of political, economic and social change; 2. Synthesize factual information and historical evidence from a variety of sources and identify the connections between them; 3. Demonstrate a body of knowledge about, and critical understanding of historical eras, their key events and ideas, and the process of change over time.
<p style="text-align: center;">Human Resources Assistant – COA</p>	<ol style="list-style-type: none"> 1. Understand and apply knowledge of human resources to a modern organization, including employment laws, staffing, compensation, training, development, workforce evaluation, motivation, and labor relationships. 2. Create effective oral and written business communications using modern communication technologies. 3. Identify the basics of information technology and apply software applications to manage of human resources.

<p>Human Services – AS</p>	<ol style="list-style-type: none"> 1. Demonstrate an understanding and provide an overview of the field of human and social services in both the public and private sector. 2. Demonstrate cultural awareness and sensitivity needed to respectfully serve the diverse service population. 3. Demonstrate the ability to assess the needs of clients and provide appropriate referrals for them. 4. Demonstrate the ability to use introspection to increase self-awareness. 5. Demonstrate appropriate boundaries and the ability to make ethical decisions.
<p>Humanities – AA</p>	<ol style="list-style-type: none"> 1. For oral and/or written form, discuss both objective and subjective responses to a work of art (literary, performing, or fine). 2. For oral and/or written form, differentiate between the arts as personal expression and the arts as socially transformative.
<p>Hybrid and Alternative Fuel Vehicles – COA</p>	<ol style="list-style-type: none"> 1. Demonstrate the expertise needed to perform vehicle maintenance, service, diagnosis, and repair of current vehicles; 2. Display the confidence 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; 4. Prepared to obtain employment in the automotive industry.
<p>Industrial Technology – AS</p>	<ol style="list-style-type: none"> 1. Identify and characterize the manufacturing processes of an advanced manufacturing operation 2. Demonstrate a fundamental proficiency of preparing 2D and 3D digital drawing and part files for automated manufacturing. 3. Demonstrate the skills appropriate to the selected area of specialization for entry to the advanced manufacturing workforce.
<p>Infant/Toddler Specialist – COA</p>	<ol style="list-style-type: none"> 1. Connect observed behaviors of children birth to 36 months to developmental concepts and theories in all developmental domains and analyze the multiple contextual influences on infant and toddler development including diverse family practices and environment; 2. Analyze the multiple contextual influences on infant and toddler development including diverse family practices and environment, including strategies to promote healthy relationships in the care and education of infants and toddlers and to create safe and healthy environments which meet licensing requirements and are responsive to the needs of individual infants and toddlers.
<p>Information Technology – AS</p>	<ol style="list-style-type: none"> 1. Apply fundamental knowledge of computing and the current use of technology techniques, skills, and tools necessary for the computing practice. 2. Demonstrate the ability to locate, critically evaluate and solve business problems with technology solutions using qualitative and quantitative information. 3. Demonstrate a fundamental ability to identify and analyze user needs in the selection, creation, evaluation and administration of computer-based systems.
<p>Information Technology – COA</p>	<ol style="list-style-type: none"> 1. Apply fundamental knowledge of computing and the current use of technology techniques, skills, and tools necessary for the computing practice. 2. Demonstrate the ability to locate, critically evaluate and solve business problems with technology solutions using qualitative and quantitative information. 3. Demonstrate a fundamental ability to identify and analyze user needs in the selection, creation, evaluation and administration of computer-based systems.

<p>Inspection and Pipe Welding – COP</p>	<ol style="list-style-type: none"> 1. Demonstrate higher-skilled welding tasks applicable to advanced manufacturing, fabrication, and machine maintenance. 2. Demonstrate a professional manner appropriate to a leadership position in manufacturing or construction. 3. Perform multi-step assigned projects with little to no supervision.
<p>Interior Design – AS</p>	<ol style="list-style-type: none"> 1. Develop functional interior spaces. 2. Draw appropriate floor plans. 3. Demonstrates an understanding of professional practices.
<p>Interior Design (Residential) – COA</p>	<ol style="list-style-type: none"> 1. Develop functional interior spaces. 2. Draw appropriate floor plans. 3. Demonstrates an understanding of professional practices.
<p>International Entrepreneur-Chinese – COA</p>	<ol style="list-style-type: none"> 1. Identify and evaluate new business opportunities while demonstrating proficiency in understanding and using Chinese. 2. Prepare marketing and business plans for a new venture in China and/or Taiwan. 3. Effectively “pitch” their new business idea to potential investors and partners, both orally and in writing in Chinese.
<p>International Entrepreneur-French – COA</p>	<ol style="list-style-type: none"> 1. Identify and evaluate new business opportunities while demonstrating proficiency in understanding and using French; 2. Prepare marketing and business plans for a new venture in French speaking countries; 3. Effectively “pitch” their new business idea to potential investors and partners, both orally and in writing in French.
<p>International Entrepreneur- Japanese – COA</p>	<ol style="list-style-type: none"> 1. Identify and evaluate new business opportunities while demonstrating proficiency in understanding and using Japanese. 2. Prepare marketing and business plans for a new venture in Japan. 3. Effectively pitch their new business idea to potential investors and partners, both orally and in writing in Japanese.
<p>International Entrepreneur - Spanish – COA</p>	<ol style="list-style-type: none"> 1. Identify and evaluate new business opportunities while demonstrating proficiency in understanding and using Spanish. 2. Prepare marketing and business plans for a new venture in Spanish speaking countries. 3. Effectively "pitch" their new business idea to potential investors and partners, both orally and in writing in Spanish.
<p>International Studies – AA</p>	<ol style="list-style-type: none"> 1. Develop a strong comprehension of international politics and U.S. foreign policy. 2. Encourage active engagement with international affairs current events. 3. Ability to link international developments to national politics and elections, and the everyday activities of individuals.
<p>Interpersonal Communication) – COA</p>	<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.
<p>Intersegmental General Ed Transfer Curriculum (IGETC) – COA</p>	<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.

<p style="text-align: center;">Italian – COA</p>	<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.
<p style="text-align: center;">Japanese – COA</p>	<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.
<p style="text-align: center;">Journalism – AA</p>	<ol style="list-style-type: none"> 1. Students will be able to 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. Students gain critical understanding of journalism practices, including facts, standards, conventions, and principles, including critical understanding of internal and external forces affecting their operation. 3. Students will gain knowledge of a broad range of equipment, software, trends, changes and tools needed to be successful in the journalism field. 4. Students will be able to apply the separate skills of a journalist?writing and editing stories; taking and editing photographs; creating and editing graphics; recording and editing audio; as well as shooting and editing videos?in order to produce interactive media content.
<p style="text-align: center;">Journalism – AA-T</p>	<ol style="list-style-type: none"> 1. Students will be able to 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. Students will gain knowledge of a broad range of equipment, software, trends, changes and tools needed to be successful in the journalism field. 3. Students gain critical understanding of journalism practices, including facts, standards, conventions, and principles, including critical understanding of internal and external forces affecting their operation. 4. Students will be able to apply the separate skills of a journalist - writing and editing stories; taking and editing photographs; creating and editing graphics; recording and editing audio; as well as shooting and editing videos in order to produce interactive media content.

<p style="text-align: center;">Kinesiology – AA-T</p>	<ol style="list-style-type: none"> 1. Understand motivational techniques and apply them to enable the student to create lifestyle changes in fitness and health. Relate health and wellness to choices made in lifestyle. Recognize human habitual behavior and how to affect lifestyle changes. Apply a variety of motivational techniques. Demonstrate interpersonal skills necessary for effective relationships and healthy, active lifestyles. Exhibit attitudes and values that promote personal, family and community health, and participation in physical activity. Recognize differences between people and design a motivational plan to suit those differences. 2. Understand movement as it applies to physical activity to create efficiency of psychomotor skills and achieve maximum benefits in that activity. Name the basic components of musculature and skeletal structure and describe their function. Evaluate movement to make corrections and enhance the activity and physical wellness. Apply concepts of fitness to scientifically based training methods. Demonstrate the movement skills and strategies for confident and enhanced participation in physical activity. 3. Utilize knowledge to design, develop, and implement an effective personalized fitness program. Evaluate pre and post fitness levels, using a variety of fitness testing methods. Understand the concepts of health and fitness and apply them to creating a fitness program. Express the importance of lifelong participation in a fitness program as related to overall health and well-being. Demonstrate self-management skills, which enable students to make informed decisions for healthy, active lifestyles. Apply basic principles of emergency first aid care and prevention of injury. Demonstrate comprehension of basic human development and the implications for program 4. Demonstrate an understanding of health and wellness information using the scientific method, scientific research and established knowledge. Recognize that information presented through established, reputable scientific sources is the result of research from an accumulation of data that leads to generally accepted conclusions. Demonstrate critical thinking skills to apply decision-making and goal setting skills within the context of health and in so, apply a variety of credible, current, and applicable information to make sound judgments decisions. 5. As a Kinesiology major: Comprehend and articulate the history and sociology of physical education and sport and its impact on today's world. Identify and apply standards required by the physical education specialty area of interest. Demonstrate a level of proficiency necessary for demonstration of beginning level skills in an activity of choice commonly included in a Kinesiology and Physical Education program. Demonstrate an understanding of the basic structure of the human body and how its various systems respond and adjust to exercise and work. Construct learning experiences for various age groups and purposes. Articulate the differences between Kinesiology, Physical Education and Athletics as well as the value of both. Demonstrate an understanding of the major in relation to its potential for service to the individual, community and society.
<p style="text-align: center;">Kitchen and Bath Design – COA</p>	<ol style="list-style-type: none"> 1. Explain in a design statement the creative solution for a kitchen and/or bathroom. 2. Apply NKBA guidelines, accessibility, building codes and California Title XIV required for a kitchen and/or bathroom remodel or construction. 3. Prepare a complete set of drawings for a kitchen or bathroom using NKBA drafting requirements. 4. Select materials, finishes, appliances and cabinetry for a kitchen and/or bathroom 5. Provide a budget brake down for the entire project.
<p style="text-align: center;">Liberal Arts – AA</p>	<ol style="list-style-type: none"> 1. Develop effective writing and speaking skills. 2. Apply logic, reasoning, and problem solving. 3. Demonstrate creativity and innovation.

<p style="text-align: center;">LVN-RN – AS</p>	<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. Practice within the profession's ethical and legal framework. 4. Use critical thinking skills in decisions related to managing care for groups of clients. 5. Respond to the demands of rapidly changing information technology by incorporating computer literacy in health care delivery and utilizing the internet for research.
<p style="text-align: center;">Machine Tool Technology – AS</p>	<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.
<p style="text-align: center;">Machinist – COA</p>	<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.
<p style="text-align: center;">Management – COA</p>	<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.
<p style="text-align: center;">Marketing – COA</p>	<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.
<p style="text-align: center;">Mass Communications – AA</p>	<ol style="list-style-type: none"> 1. Demonstrate knowledge of the history, processes, and structure of a variety of media, including the ability to exercise critical judgment in the evaluation of media productions. 2. Demonstrate understanding of ethical mass media practices, including standards, conventions, and principles.
<p style="text-align: center;">Mathematics – AA</p>	<ol style="list-style-type: none"> 1. Increase confidence in understanding mathematical concepts, communicating ideas and thinking analytically. 2. Communicate mathematical ideas, understand definitions, and interpret concepts. 3. Analyze mathematical problems critically using logical methodology.
<p style="text-align: center;">Mathematics – AS</p>	<ol style="list-style-type: none"> 1. Increase confidence in understanding mathematical concepts, communicating ideas and thinking analytically. 2. Communicate mathematical ideas, understand definitions, and interpret concepts. 3. Critically analyze mathematical problems using a logical methodology.
<p style="text-align: center;">Mathematics – AS-T</p>	<ol style="list-style-type: none"> 1. Increase confidence in understanding mathematical concepts, communicating ideas and thinking analytically. 2. Communicate mathematical ideas, understand definitions, and interpret concepts. 3. Analyze mathematical problems critically using logical methodology.

<p>Medical Assisting – AS</p>	<ol style="list-style-type: none"> 1. To prepare competent entry-level professional medical assistants in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains. * 2. To be responsive to the communities of interest that are served by the program to include, but are not limited to, students, graduates, faculty, sponsor administration, industry partners, physicians, and the public. 3. Employ principles of communication theory to facilitate and maintain effective, verbal, written and non verbal interaction.
<p>Medical Assisting – COA</p>	<ol style="list-style-type: none"> 1. To prepare competent entry-level professional medical assistants in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains. * 2. To be responsive to the communities of interest that are served by the program to include, but are not limited to, students, graduates, faculty, sponsor administration, industry partners, physicians, and the public. 3. Employ principles of communication theory to facilitate and maintain effective, verbal, written and non verbal interaction.
<p>Music – AA-T</p>	<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.
<p>Numerical Control – AS</p>	<ol style="list-style-type: none"> 1. Students will be able to demonstrate the expertise needed to turn parts using both manual and CNC equipment. 2. Students completing the Chabot Numerical Control AS Degree will be able to 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.
<p>Numerical Control Programmer (Machinist) – COA</p>	<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.
<p>Nursing – AS</p>	<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. Practice within the profession's ethical and legal framework. 4. Use critical thinking skills in decisions related to managing care for groups of clients. 5. Respond to the demands of rapidly changing information technology by incorporating computer literacy in health care delivery and utilizing the internet for research.
<p>Nutrition and Dietetics – AS-T</p>	<ol style="list-style-type: none"> 1. Explain rationale for nutrient intake recommendations across the lifespan. 2. Demonstrate an understanding of nutrition and health information using the scientific method, scientific research and established knowledge. 3. Demonstrate how to locate, interpret, evaluate and use professional literature to make ethical evidence-based practice decisions. 4. Develop strategies to educate individuals about chronic, preventable diseases, with a strong dietary component, that are most commonly found in our society, and aid in decreasing the spread of such diseases, increasing quality and length of life to individuals in our communities.

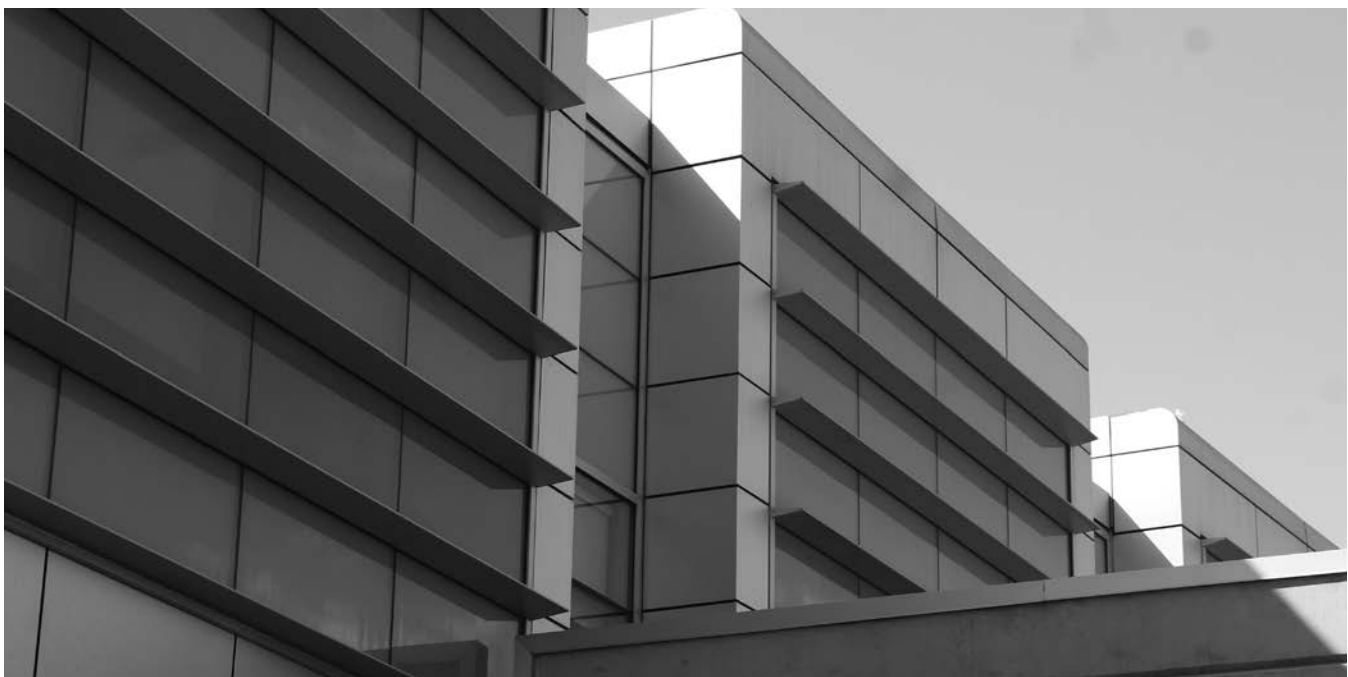
<p>Paralegal Studies – COA</p>	<ol style="list-style-type: none"> 1. Develop the analytical thinking and professional skills necessary to work as a paralegal or legal assistant by an attorney, law office, governmental agency, or other legally related entity. 2. Identify and apply correct principles of law and work effectively within the legal industry. 3. Emphasize practical application of essential paralegal skills such as conducting legal research, calendaring, drafting legal documents and legal memoranda.
<p>Pathway to Sports Injury Care – COA</p>	<ol style="list-style-type: none"> 1. Describe athletic injury prevention measures and conditioning practices to ensure a safe playing environment, 2. Recognize the various sports injuries based on their associated signs and symptoms, 3. Describe appropriate post-injury management and treatment protocols.
<p>Persuasive and Rhetorical Communication – COA</p>	<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.
<p>Photography – COP</p>	<ol style="list-style-type: none"> 1. Effectively communicate a unique vision through personal artistic expression and conceptual meaning. 2. Demonstrate technical competency making a photographic print. 3. Demonstrate technical competency in the operation of a camera. 4. Ability to discuss photography in terms of technical merit, aesthetic value, and conceptual meaning.
<p>Physics – AS-T</p>	<ol style="list-style-type: none"> 1. 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. 4. Increase confidence in understanding qualitatively and quantitatively physical concepts, communicating ideas and thinking analytically. 5. Identify the role and influence of ethics, morality, and politics in the development and application of physics.
<p>Political Science – AA-T</p>	<ol style="list-style-type: none"> 1. Familiarize students with the issues surrounding the exercise of political power. 2. Develop analytical capacities so that students are able to analyze complex local, domestic, and international political events.
<p>Prealgebra – Certificate of Competency</p>	<ol style="list-style-type: none"> 1. Analyze mathematical problems critically using logical methodology. 2. Communicate mathematical ideas, understand definitions, and interpret concepts. 3. Increase confidence in understanding mathematical concepts, communicating ideas and thinking analytically.
<p>Preparation for Academic ESL – Certificate of Competency</p>	<ol style="list-style-type: none"> 1. Read, write, and speak at a proficiency level appropriate for entrance in the ESL credit program. 2. Demonstrate the ability to navigate common campus resources, manage study time effectively, and show basic computer literacy necessary for entrance in the ESL credit program.
<p>Preparation for BSTEM Math – Certificate of Competency</p>	<ol style="list-style-type: none"> 1. Demonstrate increased confidence in mathematics by performing essential math skills for BSTEM Math courses.

Preparation for Statistics and Liberal Arts Math – Certificate of Competency	<ol style="list-style-type: none"> 1. Demonstrate increased confidence in mathematics by performing essential math skills for Statistics and Liberal Arts Math courses.
Project Management – COP	<ol style="list-style-type: none"> 1. Develop competency in Project Management and prepare for Certification by the Project Management Institute.
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.
Public Health Science – AS-T	<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. 3. Demonstrate an understanding of health and wellness information using the scientific method, scientific research and established knowledge.
Public Speaking and Forensics – COA	<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.
Radio and Television Broadcasting – AA	<ol style="list-style-type: none"> 1. Understanding 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	<ol style="list-style-type: none"> 1. Understand the financial aspects in a real estate sales transaction including appraisals and financing. 2. Understand the legal and regulatory environment that oversees real estate transactions. 3. Understand the operational business procedures involved in operating overseeing real estate transactions and property management. 4. Obtain effective oral and written communication skills enabling the student to interact with diverse populations.
Real Estate Broker – COA	<ol style="list-style-type: none"> 1. Understand the financial aspects in a real estate sales transaction including appraisals and financing. 2. Understand the legal and regulatory environment that oversees real estate transactions. 3. Understand the operational business procedures involved in operating overseeing real estate transactions and property management.
Real Estate Agent – COP	<ol style="list-style-type: none"> 1. To attain a fundamental understanding of basic real estate principles. 2. To gain a basic understanding of the day to day operations in the real estate business. 3. To attain the knowledge required to pass the state mandated licensing exam.
Real Estate Entrepreneur – COP	<ol style="list-style-type: none"> 1. Students are prepared for the challenges of self-employment or business ownership in the real estate industry. 2. Students are prepared for the real estate licensing exam, and to be an effective realtor. 3. Students can prepare a basic business plan with a core value proposition for an entrepreneurial venture.

<p>Retail Management – COA</p>	<ol style="list-style-type: none"> 1. Understand and apply practices used in the management of retail stores. 2. Apply critical thinking and analytical skills in decision making and problem solving. 3. Create effective oral and written business communications using modern communication technologies. 4. Identify the basics of information technology and apply software applications to enhance efficiency of business functions.
<p>Retailing – COP</p>	<ol style="list-style-type: none"> 1. Understand and apply practices used in the management of retail stores. 2. Apply critical thinking and analytical skills in decision making and problem solving. 3. Create effective oral and written business communications using modern communication technologies. 4. Identify the basics of information technology and apply software applications to enhance efficiency of business functions.
<p>Small Business Management – COA</p>	<ol style="list-style-type: none"> 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.
<p>Social Justice: African American Studies – AA-T</p>	<ol style="list-style-type: none"> 1. Demonstrate comparative, intersectional, and relational understanding of the diverse histories, cultures, and contemporary experiences related to African American and diasporic African communities; 2. Analyze institutional, structural, and ideological forces that shape the power and experiences of African Americans and people of African descent; 3. Examine solutions toward social change, equity, and justice.
<p>Social Justice: Asian American Studies – AA-T</p>	<ol style="list-style-type: none"> 1. Demonstrate comparative and relational understanding of the diverse histories, cultures, and contemporary experiences of the Asian American community; 2. Analyze institutional, structural, and ideological forces that shape the experiences of Asian Americans; 3. Examine solutions toward social change, equity, and justice.
<p>Social Justice: Chicano Studies – AA-T</p>	<ol style="list-style-type: none"> 1. Demonstrate an understanding of the diversity within the Chicano community; 2. Analyze issues stemming from social, economic, and political systems characterized by institutional and structural discrimination; 3. Examine solutions toward social change, equity, and justice.
<p>Social Justice Studies: Ethnic Studies – AA-T</p>	<ol style="list-style-type: none"> 1. Demonstrate knowledge of the histories and cultures of diverse racial/ethnic groups; 2. Understand how major institutions, such as family, media, education, and government influence the experiences and opportunities of racial/ethnic groups; 3. Analyze social issues and examine solutions toward social change, equality, and justice.
<p>Social Science – AA</p>	<ol style="list-style-type: none"> 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.
<p>Social Work and Human Services – AS-T</p>	<ol style="list-style-type: none"> 1. Students will develop and understanding of historical context of social work. 2. Students will learn how to apply critical analysis in assessing client needs.

Sociology – AA-T	<ol style="list-style-type: none"> 1. Use culture as a social construct to explain social phenomena. 2. Compare and contrast social structures (such as families, race/ethnic groups, religions) using the sociological perspective.
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 – COA	<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.
Spanish – AA-T	<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.
Spanish – COA	<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.
Student Support Leadership (Emphasis in Tutoring) – COA	<ol style="list-style-type: none"> 1. Demonstrate knowledge about a variety of instructional strategies, including auditory, kinesthetic, and visual. 2. Develop effective speaking and writing skills. 3. Demonstrate cultural awareness and sensitivity needed to respectfully serve the diverse service population.
Studio Arts – AA-T	<ol style="list-style-type: none"> 1. Gain functional competence with principles of visual organization, including the ability to work with visual elements in two and three dimensions; color theory and its applications; and drawing. 2. Present work that demonstrates perceptual acuity, conceptual understanding, and technical facility at a professional entry level in their chosen field(s). 3. Become familiar with the historical achievements, current major issues, processes, and directions of their field(s).
Technical Design Drafting – COA	<ol style="list-style-type: none"> 1. 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. 2. Demonstrate an ability to apply knowledge of mathematics, science, and engineering

<p>Theater Arts– AA</p>	<ol style="list-style-type: none"> 1. Ability to collaborate effectively on projects large and small; 2. Understanding of the process of producing, developing and presenting theater productions; 3. Ability to interpret texts for presentation.
<p>Theatre Arts – AA-T</p>	<ol style="list-style-type: none"> 1. Ability to collaborate on projects with other students; 2. Demonstrate knowledge of vocabulary of a theater space; 3. Understanding of a rehearsal process for play production.
<p>Tool Maker – COA</p>	<ol style="list-style-type: none"> 1. Demonstrate the ability to create basic CNC machine tool setups. 2. Demonstrate the expertise needed to fabricate machined parts in a timely and professional manner with minimal supervision.
<p>Welding – COP</p>	<ol style="list-style-type: none"> 1. Pass the American Welding Society (A.W.S) tests in the appropriate areas of study. 2. Demonstrate the qualifications needed to gain interim welding positions required by the; manufacturing, fabrication, maintenance and construction industrial activities. 3. Apply their skills and knowledge in a professional manner under supervision.
<p>Welding Technology – AS</p>	<ol style="list-style-type: none"> 1. Pass the American Welding Society (A.W.S) tests in the appropriate areas of study. 2. Demonstrate the proficiency needed to perform; manufacturing, fabrication, maintenance and construction tasks to be in compliance with the industrial norms, codes and standards. 3. Apply their skills and knowledge in a professional manner under minimum to no supervision.
<p>Women's Studies – COA</p>	<ol style="list-style-type: none"> 1. Examine the process of gender socialization. 2. Analyze sexism in conjunction with other forms of oppression such as racism, homophobia/heterosexism, classism, ageism, transphobia. 3. Distinguish women's experiences across cultures. 4. Examine women's political, historical, and literary achievements. 5. Demonstrate healthy behaviors in personal, social and work lives. 6. Apply strategies for improving communication. 7. Obtain work experience in programs that serve women and girls.



AS
2021-22

Graduation Requirements **ASSOCIATE IN SCIENCE**

*Graduation requirements and courses are effective during the following terms (and beyond with catalog rights+):
Fall 2021, Spring 2022, Summer 2022*



AS Degree Majors

<p>Accounting Administrative Assistant Advanced Manufacturing Technology Automotive Technology Business – General Business -- Management Business – Marketing Chemistry Computer Science Dental Hygiene</p>	<p>Electronic Systems Technology Engineering Entrepreneurship Environmental Science Fire Prevention Inspector Fire Technology Human Services Industrial Technology Information Technology Interior Design</p>	<p>Machine Tool Technology Mathematics Medical Assisting Numerical Control Nursing Nursing (LVN to RN) Retail Management Software Specialist Welding Technology</p>
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AS FAQs

I'm pursuing an Associate Degree for Transfer (AA-T/AS-T). Is this the right GE pattern?

NO. Associate Degrees for Transfer must complete one of the following transfer general education (GE) patterns:

- California State University General Education Breadth Requirements ([CSU GE Breadth](#))

OR

- Intersegmental General Education Transfer Curriculum for CSU ([IGETC](#))

Where do I learn more about Associate Degrees for Transfer?

Visit the Chabot College [Transfer Center](#) for a list of degrees and more.

Can I use either the CSU GE Breadth or IGETC patterns towards an AA or AS degree?

Yes, students may opt to use either of the transfer GE patterns towards any Chabot Associates Degree in lieu of the GE on this flyer.

How will my courses from another college apply toward a degree at Chabot College?

Contact the Admissions Office or Registrar at each college you have attended and request *official* transcripts to be sent to Chabot College [Admissions and Records](#). Once Chabot College receives all official transcripts, students who have declared a Chabot College major may complete an [Incoming Transcript Evaluation](#) form. Chabot College Counselors also do *unofficial* transcript evaluations by [appointment](#) for all educational goals and majors.

How do I apply for graduation and/or participate in the commencement ceremony?

If you attended other colleges, all *official* transcripts must be on file at Chabot College Admissions and Records. Submit a [Request for Degree or Certificate](#) form by the fifth week of the fall or spring semester (summer term deadlines vary). Commencement is held in late May.

To earn an AS degree, complete all of the following graduation requirements:

1. **General Education Courses**
2. **Major Courses** > Located in the Chabot College [Catalog](#)
3. **Grade Requirements** > The following courses require a minimum grade of "C":
 - a. English Composition, American Cultures, Math Proficiency, all courses required for the major
4. **Units** > 60 semester degree-applicable units
 - a. **Units in Residence:** Minimum of 12 semester units completed at Chabot College
 - b. **Career Technical Education (CTE)** majors > Minimum 12 units at Chabot College in *major* courses
5. **Grade Point Average (GPA):** Minimum 2.0 cumulative GPA.

+ **Catalog Rights:** Students may follow program requirements in place at the time of initial Chabot College entry if they enroll in at least one course per academic year.

5.19.21 SS

CHABOT COLLEGE **Associate in Science Degree**
GENERAL EDUCATION (GE)

*Courses listed below are effective during the following terms (or beyond with catalog rights):
Fall 2021, Spring 2022, Summer 2022*

Complete one course from each area below.

Courses may be used in one GE area, except American Cultures & Math Proficiency courses, which may be used in two GE areas. GE courses also required for major course requirements may be used to satisfy both requirements. Units, however, are not doubled.

LANGUAGE AND RATIONALITY

English Composition (One course; minimum 3 units) Minimum grade of "C" required.

- English 1

Communication and Analytical Thinking (One course; minimum 3 units)

- Architecture 68; Business 14, 16, 19; Chinese 1A, 1B; Communication Studies 1, 2, 10, 11, 20, 46; Computer Application Systems 50, 92A, 92B, 92C, 92D; Computer Science 8, 10, 14, 15, 19A; English 70; Entrepreneurship 30; French 1A, 1A1, 1A2, 1B, 1B1, 1B2; Geography 20, 21, 22; History 5, 12; Industrial Technology 74; Interior Design 49; Italian 1A, 1B; Japanese 1A, 1B; Mass Communications 43, 44; Mathematics 1, 2, 15, 16, 20, 31, 31S, 33, 33S, 36, 36S, 37, 37S, 41, 41S, 43, 43S, 44, 47, 47S, 53, 53A, 53B, 55, 55A, 55B, 57, 65, 65A, 65B; Philosophy 55; Psychology 5; Spanish 1A, 1A1, 1A2, 1B, 1B1, 1B2; Theater 3, 7

NATURAL SCIENCES (One course; minimum 3 units) *A lab is not required, however, underlined courses indicate labs.*

- Anatomy 1; Anthropology 1, 1L, 13, 13L; Astronomy 10, 20, 30, 45; Biology 2, 4, 6, 10, 25, 31, 50; Biotechnology 20, 30, 40; Chemistry 1A, 10, 30A, 30B, 31; Environmental Science 10, 11, 12, 15, 15L; Geography 1, 1L, 8, 13, 20, 21, 22; Geological Sciences 1; Kinesiology 2; Microbiology 1; Physical Science 15; Physics 3A, 3B, 4A, 4B, 4C, 5, 11; Physiology 1; Psychology 4

HUMANITIES (One course; minimum 3 units)

- Architecture 2A, 2B, 4A, 4B, 8A, 8B, 12, 14, 16; Art 2A, 3A, 16A, 17A, 22, 23, 24, 54; Art History 1, 3, 4, 5, 6, 7, 8, 20; Chinese 1A, 1B, 2A, 2B; Communication Studies 2, 6; Digital Media Arts 1, 2; English 11A, 12A, 13A, 20, 21, 22, 25, 28, 31, 32, 35, 41, 45, 48; Film 14, 15, 16; French 1A, 1A1, 1A2, 1B, 1B1, 1B2, 2A, 2B; General Studies 31; History 1, 2, 3, 4; Humanities 50, 60, 65, 68; Interior Design 52; Italian 1A, 1B, 2A, 2B; Japanese 1A, 1B, 2A, 2B; Music (MUSA) 40; Music (MUSL) 1, 2A, 2B, 2C, 2D, 3, 4, 8; Music (MUSP) 12, 14, 44, 45; Philosophy 50, 60, 65, 70; Photography 20, 50, 53A; Religious Studies 50, 64, 65, 70; Sign Language 64, 65, 66, 67; Spanish 1A, 1A1, 1A2, 1B, 1B1, 1B2, 2A, 2B; Theater Arts 1, 4A, 7, 10, 11, 12, 14, 21, 22, 47A, 48A, 50A

SOCIAL AND BEHAVIORAL SCIENCES (One course; minimum 3 units)

- Administration of Justice 45, 50, 60, 70; Anthropology 1, 2, 3, 4, 5, 6, 7, 8, 12; Biology 80; Business 12, 20, 36, 40; Communication Studies 11, 12, 50; Early Childhood Development 52, 56, 62, 69, 79, 87; Economics 1, 2, 10; Entrepreneurship 1, 5; Environmental Studies 1; Ethnic Studies 1, 2, 3, 4, 5, 6, 7, 10, 25, 42, 43, 52, 53, 62, 63; Geography 1, 2, 3, 5, 10, 12, 21, 22; Global Studies 1, 2; Health 8, 80; History 1, 2, 3, 4, 5, 7, 8, 12, 19, 22, 25, 32, 33, 42, 43, 48, 49, 52, 53, 62, 63; Kinesiology 70; Mass Communications 40, 41; Political Science 1, 10, 11, 12, 15, 20, 22, 25, 30, 35, 45; Psychology 1, 2, 3, 4, 6, 7, 8, 12, 33, 45; Psychology-Counseling 1, 4, 5, 13; Sociology 1, 2, 3, 4, 5, 6, 7, 8, 10

WELLNESS: (One course; minimum 1 unit)

- Early Childhood Development 54; Fire Tech 7; Health 1, 4; Kinesiology 14, 19, 24; Nutrition 1, 4, 6; Psychology-Counseling 30; or any **activity** course with a prefix of: **ADPE, ATHL, DANC, PEAC or FT 88ABCD; ADMJ 9907**
NOTES: Area E is not required for the Associates Degree in **Nursing**. The Associates Degree in **Dental Hygiene** requires Nutrition 1, which may not be double counted for the Program-Based GE and Wellness requirements.
Students with official transcripts on file indicating an AA/AS degree (or higher) are automatically exempt. For an exemption due to a verified illness/physical disability, complete a [Request for Waiver of a Program Requirement](#) from the Counseling Division.

PROGRAM -BASED GENERAL EDUCATION (GE) REQUIREMENT (One course; minimum 3 units)

*This requirement may not be "double counted" with any other GE area listed **above**.*

Program-based GE requirements are found in the AS major/program page in the Chabot College Catalog

AMERICAN CULTURES (One course; minimum 3 units) Grade of "C" or above required. *Courses below listed in other GE areas will satisfy both requirements.*

- Anthropology 5; Art History 7; Comm. Studies 11; Early Childhood Development 79; English 32; Ethnic Studies 1, 4, 5, 6, 7; History 5, 7, 8, 12, 48, 49; Humanities 65; Music (MUSL) 8; Psychology-Counseling 1, 4, 13; Sociology 1, 3, 7; Theater Arts 14
NOTE: Courses completed at Las Positas College (or other colleges) **with the same course name or number may not satisfy this requirement.**

MATHEMATICS PROFICIENCY (One course or demonstrate proficiency) Minimum grade of "C" required.

Courses below listed in another GE area will satisfy both requirements.

- Business 19; Mathematics 1, 2, 15, 16, 20, 31, 31S, 33, 33S, 36, 36S, 37, 37S, 41, 41S, 43, 43S, 44, 47, 47S, 53, 53B, 55, 55B, 57; Psychology 5; **OR** Demonstrate proficiency at, or beyond, intermediate algebra with **one** of the following: AP Statistics or Calculus Exam (score of "3" or higher); CSU EAP Math with "Standard Meet" or "Standard Exceeded"; second semester of high school Algebra 2 or Integrated Math 3 (or higher) with a minimum grade of C-; Chabot College Accuplacer (no longer offered).



Graduation Requirements ASSOCIATE IN ARTS

*Graduation requirements and courses are effective during the following terms (and beyond with catalog rights+):
Fall 2021, Spring 2022, Summer 2022*



AA Degree Majors

Administration of Justice Anthropology Architecture Art History Behavioral Science Biology Biology-Emphasis in Allied Health Digital Media Arts Early Childhood Development Early Childhood Intervention	English: Creative Writing English: Literature Environmental Studies Ethnic Studies Film and Animation Fine Art Ceramics Fine Art Painting and Drawing Fine Art Photography Fine Art Sculpture Fine Art Studio Foundations	French Geography Graphic Design Humanities International Studies Journalism Liberal Arts Mass Communications Mathematics	Music & Tech. Production Philosophy Radio & TV Broadcasting Real Estate Social Science Spanish Speech Communication Theater Arts
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AA FAQs

I'm pursuing an Associate Degree for Transfer (AA-T/AS-T). Is this the right GE pattern?

NO. Associate Degrees for Transfer must complete one of the following transfer general education (GE) patterns:

California State University General Education Breadth Requirements ([CSU GE Breadth](#))

OR

Intersegmental General Education Transfer Curriculum for CSU ([IGETC](#))

Where do I learn more about Associate Degrees for Transfer?

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Can I use either the CSU GE Breadth or IGETC patterns towards an AA or AS degree?

Yes, students may opt to use the either one of the transfer GE patterns towards any Chabot Associates Degree in lieu of the GE on this flyer.

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Contact the Admissions Office or Registrar at each college you have attended and request *official* transcripts to be sent to Chabot College [Admissions and Records](#). Once Chabot College receives all official transcripts, students who have declared a Chabot College major may complete an [Incoming Transcript Evaluation](#) form. Chabot College Counselors also do *unofficial* transcript evaluations by [appointment](#) for all educational goals and majors.

How do I apply for graduation and/or participate in the commencement ceremony?

If you attended other colleges, all *official* transcripts must be on file at Chabot College Admissions and Records. Submit a [Request for Degree or Certificate](#) form by the fifth week of the fall or spring semester (summer term deadlines vary). Commencement is held in late May.

To earn an AA degree, complete all of the following graduation requirements:

1. **General Education Courses**
2. **Major Courses** > Located in the Chabot College [Catalog](#)
3. **Grade Requirements** >
 - a. The following courses require a **minimum grade of "C"**American Cultures, all courses required for the major
 - b. The following courses **require a minimum grade of "C"**English Composition, Math Proficiency
4. **Units** > 60 semester degree-applicable units
 - a. **Units in Residence:** Minimum of 12 semester units completed at Chabot College
Career Technical Education (CTE) majors > Minimum 12 units at Chabot College in *major* courses
5. **Grade Point Average (GPA):** Minimum 2.0 cumulative GPA.

+ Catalog Rights: Students may follow program requirements in place at the time of initial Chabot College entry if enrolled in at least one course per academic year. 5.19.21 ss

CHABOT COLLEGE Associate in Arts Degree
GENERAL EDUCATION (GE)

*Courses listed below are effective during the following terms (or beyond with catalog rights):
Fall 2021, Spring 2022, Summer 2022*

Complete one course from each area below.

Courses may be used in one GE area, except American Cultures & Math Proficiency courses, which may be used in two GE areas. GE courses also required for major course requirements may be used to satisfy both requirements. Units, however, are not doubled.

LANGUAGE AND RATIONALITY

English Composition (One course; minimum 3 units) Minimum grade of "C-" required.

- English 1

Writing and Critical Thinking (One course; minimum 3 units)

- Business 10; Chinese 2A, 2B; English 4A, 7A; French 2A, 2B; Italian 2A, 2B; Japanese 2A, 2B; Philosophy 55; Spanish 2A, 2B

Communication and Analytical Thinking (One course; minimum 3 units)

- Architecture 68; Business 14, 16, 19; Chinese 1A, 1B; Communication Studies 1, 2, 10, 11, 20, 46; Computer Application Systems 50, 92A, 92B, 92C, 92D; Computer Science 8, 10, 14, 15, 19A; English 70; Entrepreneurship 30; French 1A, 1A1, 1A2, 1B, 1B1, 1B2; Geography 20, 21, 22; History 5, 12; Industrial Technology 74; Interior Design 49; Italian 1A, 1B; Japanese 1A, 1B; Mass Communications 43, 44; Mathematics 1, 2, 15, 16, 20, 31, 31S, 33, 33S, 36, 36S, 37, 37S, 41, 41S, 43, 43S, 44, 47, 47S, 53, 53A, 53B, 55, 55A, 55B, 57, 65, 65A, 65B; Philosophy 55; Psychology 5; Spanish 1A, 1A1, 1A2, 1B, 1B1, 1B2; Theater 3, 7

NATURAL SCIENCES (One course; minimum 3 units) *A lab is not required, however, underlined courses indicate labs.*

- Anatomy 1; Anthropology 1, 1L, 13, 13L; Astronomy 10, 20, 30, 45; Biology 2, 4, 6, 10, 25, 31, 50; Biotechnology 20, 30, 40; Chemistry 1A, 10, 30A, 30B, 31; Environmental Science 10, 11, 12, 15, 15L; Geography 1, 1L, 8, 13, 20, 21, 22; Geological Sciences 1; Kinesiology 2; Microbiology 1; Physical Science 15; Physics 3A, 3B, 4A, 4B, 4C, 5, 11; Physiology 1; Psychology 4

HUMANITIES (One course; minimum 3 units)

- Architecture 2A, 2B, 4A, 4B, 8A, 8B, 12, 14, 16; Art 2A, 3A, 16A, 17A, 22, 23, 24, 54; Art History 1, 3, 4, 5, 6, 7, 8, 20; Chinese 1A, 1B, 2A, 2B; Communication Studies 2, 6; Digital Media Arts 1, 2; English 11A, 12A, 13A, 20, 21, 22, 25, 28, 31, 32, 35, 41, 45, 48; Film 14, 15, 16; French 1A, 1A1, 1A2, 1B, 1B1, 1B2, 2A, 2B; General Studies 31; History 1, 2, 3, 4; Humanities 50, 60, 65, 68; Interior Design 52; Italian 1A, 1B, 2A, 2B; Japanese 1A, 1B, 2A, 2B; Music (MUSA) 40; Music (MUSL) 1, 2A, 2B, 2C, 2D, 3, 4, 8; Music (MUSP) 12, 14, 44, 45; Philosophy 50, 60, 65, 70; Photography 20, 50, 53A; Religious Studies 50, 64, 65, 70; Sign Language 64, 65, 66, 67; Spanish 1A, 1A1, 1A2, 1B, 1B1, 1B2, 2A, 2B; Theater Arts 1, 4A, 7, 10, 11, 12, 14, 21, 22, 47A, 48A, 50A

SOCIAL AND BEHAVIORAL SCIENCES (One course; minimum 3 units)

- Administration of Justice 45, 50, 60, 70; Anthropology 1, 2, 3, 4, 5, 6, 7, 8, 12; Biology 80; Business 12, 20, 36, 40; Communication Studies 11, 12, 50; Early Childhood Development 52, 56, 62, 69, 79, 87; Economics 1, 2, 10; Entrepreneurship 1, 5; Environmental Studies 1; Ethnic Studies 1, 2, 3, 4, 5, 6, 7, 10, 25, 42, 43, 52, 53, 62, 63; Geography 1, 2, 3, 5, 10, 12, 21, 22; Global Studies 1, 2; Health 8, 80; History 1, 2, 3, 4, 5, 7, 8, 12, 19, 22, 25, 32, 33, 42, 43, 48, 49, 52, 53, 62, 63; Kinesiology 70: Mass Communications 40, 41; Political Science 1, 10, 11, 12, 15, 20, 22, 25, 30, 35, 45; Psychology 1, 2, 3, 4, 6, 7, 8, 12, 33, 45; Psychology-Counseling 1, 4, 5, 13; Sociology 1, 2, 3, 4, 5, 6, 7, 8, 10

WELLNESS

Areas of Health (One course; minimum 3 units)

- Early Childhood Development 54; Fire Tech 7; Health 1, 4; Kinesiology 14, 19, 24; Nutrition 1, 4, 6; Psychology-Counseling 30
NOTE: Area E1 is not required for the Associates Degree in **Nursing**. The Associates Degree in **Dental Hygiene** requires Nutrition 1.

Physical Education Activity (Minimum 1 unit)

- Any **activity** courses with a prefix of: **ADPE, ATHL, DANC, PEAC or FT 88ABCD; ADMJ 9907**
NOTE: Students with official transcripts on file indicating an AA/AS degree (or higher) are automatically exempt. For an exemption due to a verified illness/physical disability, complete a [Request for Waiver of a Program Requirement](#) from the Counseling Division

AMERICAN INSTITUTIONS (One course; minimum 3 units) *Courses below will not double count in the Social and Behavioral Sciences area*

- Ethnic Studies/History 25, 42, 43, 52, 53, 62, 63; History 7, 8, 12, 22, 48, 49; Political Science 1, 12, 35

AMERICAN CULTURES (One course; minimum 3 units) Grade of "C" or above. *Courses below listed in another GE area will satisfy both requirements.*

- Anthropology 5; Art History 7; Comm. Studies 11; Early Childhood Development 79; *English 32*; Ethnic Studies 1, 4, 5, 6, 7; *History 5, 7, 8, 12, 48, 49; Humanities 65; Music 8*; Psychology-Counseling 1, 4, 13; Sociology 1, 3, 7; Theater Arts 14
NOTE: Courses completed at Las Positas College (or other colleges) **with the same course name or number may not satisfy this requirement.**

MATHEMATICS PROFICIENCY (One course or demonstrate proficiency) Minimum grade of "C-" required.

Courses below listed in another GE area will satisfy both requirements.

- Business 19; Mathematics 1, 2, 15, 16, 20, 31, 31S, 33, 33S, 36, 36S, 37, 37S, 41, 41S, 43, 43S, 44, 47, 47S, 53, 53B, 55, 55B, 57; Psychology 5; **OR** Demonstrate proficiency at, or beyond, intermediate algebra with **one** of the following: AP Statistics or Calculus Exam (score of "3" or higher); CSU EAP Math with "Standard Meet" or "Standard Exceeded"; second semester of high school Algebra 2 or Integrated Math 3 (or higher) with a minimum grade of C-; Chabot College Accuplacer (no longer offered).

COLLEGE CREDIT FOR ADVANCED PLACEMENT (AP) EXAMINATIONS

IMPORTANT NOTE: Credit may be earned for Advanced Placement (AP) Exams with scores of 3, 4, or 5. **Credit granted at Chabot College may differ from credit granted by a transfer institution**, particularly for major requirements. College courses, AP, IB, and/or A-Level exam credit that duplicate one another will only be awarded transfer credit once. Students are strongly advised to consult with a Chabot College counselor regarding transfer credit for AP scores. Every effort was made to provide up-to-date information, however, the information below is subject to change.

AP EXAM	Chabot College Degrees & Certificates	Chabot College AA/AS: GE Area & Units	CSU Transfer Units	CSU GE	IGETC	UC Max Units/ Subject Requirement Areas
Art History	Art History 4 or 5	Humanities 3 semester units	6 semester	Area C1 or C2 3 semester units	Area 3A or 3B 3 semester units	8 quarter/5.3 semester UC-H
Art (Studio) 2-D Design, 3-D Design, Drawing	N/A	Humanities, portfolio review required 3 semester units	3 semester each	N/A	N/A	8 quarter/ 5.3 semester (8 units max for all 3 Studio Art exams)
Biology	Biology 31	Natural Sciences 4 semester units	6 semester	Area B2 and B3 4 semester units	Area 5B & 5C 4 semester units	8 quarter/5.3 semester UC-S
Calculus AB OR AB subscore	Math 1	Communications and Analytical Thinking & Math Proficiency 5 semester units	3 semester*	Area B4 3 semester units	Area 2A 3 semester units	4 quarter/2.6 semester max units for AB & AB subscore. UC-M
Calculus BC	Math 2	Communications and Analytical Thinking & Math Proficiency 5 semester units	6 semester*	Area B4 3 semester units	Area 2A 3 semester units	8 quarter/5.3 semester ** UC-M
AP CALCULUS EXAM LIMITATIONS:						
				*Max credit: one exam		**Maximum credit 8 quarter/ 5.3 semester units for both
Chemistry	Chemistry 1A	Natural Sciences 5 semester units	6 semester	Areas B1 and B3 4 semester units	Area 5A & 5C 4 semester units	8 quarter/5.3 semester UC-S
Chinese Language & Culture	N/A	Communications and Analytical Thinking or Humanities 5 semester units	6 semester	Area C2 3 semester units	Area 3B and 6A 3 semester units	8 quarter/5.3 semester UC-H
Computer Science A	Computer Science 14	Communications and Analytical Thinking 4 semester units	4 semester**	N/A	N/A	8 quarter/ 5.3 semester units***
Computer Science Principles	n/a	n/a	6 semester	Area B4 3 units	n/a	8 quarter/ 5.3 semester
AP Computer Science and Calculus Combined Limitations:						
Economics- Macroeconomics	Economics 2	Social and Behavioral Sciences 3 semester units	3 semester	Area D 3 semester units	Area 4 3 semester units	***Maximum credit quarter/ 2.6 semester units for both
Economics- Microeconomics	Economics 1	Social and Behavioral Sciences 3 semester units	3 semester	Area D 3 semester units	Area 4 3 semester units	4 quarter/2.6 semester UC-B
English - Language & Composition	English 1	English Composition 3 semester units	6 semester	Area A2 3 semester units	Area 1A 3 semester units	8 quarter/5.3 semester** UC-E
English - Literature & Composition	English 1	English Composition or Humanities 3 semester units	6 semester	Area A2 and C2 6 semester units	Area 1A or 3B 3 semester units	8 quarter/5.3 semester* UC-EH
AP ENGLISH EXAM LIMITATIONS:						
						*8 quarter/5.3 semester units maximum for both

COLLEGE CREDIT FOR ADVANCED PLACEMENT (AP) EXAMINATIONS

IMPORTANT NOTE: Credit may be earned for Advanced Placement (AP) Exams with scores of 3, 4, or 5. Credit granted at Chabot College may differ from credit granted by a transfer institution, particularly for major requirements. College courses, AP, IB, and/or A-Level exam credit that duplicate one another will only be awarded transfer credit once. Students are strongly advised to consult with a Chabot College counselor regarding transfer credit for AP scores. Every effort was made to provide up-to-date information, however, the information below is subject to change.

AP EXAM	Chabot College Degrees & Certificates	Chabot College AA/AS: GE Area & Units	CSU Transfer Units	CSU GE	IGETC	UC Max Units/ Subject Requirement Areas
Environmental Science		Natural Sciences 4 semester units	4 semester	Areas B1 + B3 4 semester units	Area 5A & 5C 3 semester units	4 quarter/ 2.6 semester units UC-S
French Language and Culture	French 1B	Communications and Analytical Thinking or Humanities 5 semester units	6 semester	Area C2 3 semester units	Area 3B and 6A 3 semester units	8 quarter/ 5.3 semester units UC-H
German Language & Culture		Communications and Analytical Thinking or Humanities 5 semester units	6 semester	Area C2 3 semester units	Area 3B and 6A 3 semester units	8 quarter/ 5.3 semester units UC-H
Government & Politics-Comparative	Political Science 20	Social and Behavioral Sciences 3 semester units	3 semester	Area D 3 semester units	Area 4 3 semester units	4 quarter/2.6 semester UC-B
Government and Politics-U.S.	Political Science 1	Area D or American Institutions 3 semester units	3 semester	Area D + US-2 3 semester units	Area 4 and US 2 3 semester units	4 quarter/2.6 semester UC-B
History-European	History 1 or 2	Humanities or Social and Behavioral Sciences 3 semester units	6 semester	Area C2 or D 3 semester units	Area 3B or 4 3 semester units	8 quarter/5.3 semester UC-B; UC-H
History-U.S.	History 7 or 8	Social and Behavioral Sciences or American Institutions 3 semester units	6 semester	Areas C2 or D + US-1 3 semester units	Areas 3B or 4 and US 1 3 semester units	8 quarter/5.3 semester UC-B; UC-H
History-Modern World		Social and Behavioral Sciences 3 semester units	3 semester	Area C2 or D 3 semester units	Area 3B or 4 3 semester units	8 quarter/5.3 semester UC-B; UC-H
Human Geography		Social and Behavioral Sciences 3 semester units	3 semester	Area D 3 semester units	Area 4 3 semester units	4 quarter/2.6 semester UC-B
Italian Language & Culture		Communications and Analytical Thinking or Humanities 5 semester units	6 semester	Area C2 3 semester units	Area 3B and 6A 3 semester units	8 quarter/5.3 semester UC-H
Japanese Language & Culture		Communications and Analytical Thinking or Humanities 5 semester units	6 semester	Area C2 3 semester units	Area 3B and 6A 3 semester units	8 quarter/5.3 semester UC-H
Latin		Humanities 3 semester units	6 semester	Area C2 3 semester units	Area 3B and 6A 3 semester units	8 quarter/5.3 semester UC-H

COLLEGE CREDIT FOR ADVANCED PLACEMENT (AP) TESTS

AP Exam	Chabot College Degrees & Certificates	Chabot College AA/AS: GE Area & Units	CSU Transfer Units	CSU GE	IGETC	Maximum UC Transfer Units
Music Theory		Humanities 3 semester units	n/a		N/A	8 quarter/5.3 semester (no credit for subscore) UC-H
Physics 1	n/a	Natural Sciences 4 semester units	4 semester*	Areas B1 and B3 4 semester units*	Areas 5A & 5C 4 semester units	8 quarter/5.3 semester** UC-S
Physics 2	n/a	Natural Sciences 4 semester units	4 semester*	Areas B1 and B3 4 semester units*	Areas 5A & 5C 4 semester units	8 quarter/5.3 semester** UC-S
Physics C Mechanics	Physics 4A	Natural Sciences 5 semester units	4 semester*	Area B1 and B3 4 semester units*	Areas 5A & 5C 3 semester units	4 quarter/2.6 semester** UC-S
Physics C-Electricity/ Magnetism	Physics 4B	Natural Sciences 5 semester units	4 semester*	Area B1 and B3 4 semester units*	Areas 5A & 5C 3 semester units	4 quarter/2.6 semester** UC-S
AP PHYSICS EXAM LIMITATIONS:						
*Max 4 units toward GE; with 6 total units towards transfer						
Psychology	Psychology 1	Social and Behavioral Sciences 3 semester units	3 semester*	Area D 3 semester units	Area 4 3 semester units	**Maximum 8 quarter/ 5.3 semester units for all physics exams 4 quarter/2.6 semester** UC-B
Spanish Language & Culture		Communications and Analytical Thinking or Humanities 5 semester units	6 semester*	Area C2 3 semester units	Areas 3B and 6A 3 semester units	8 quarter/5.3 semester UC-H
Spanish Literature & Culture		Humanities 5 semester units	6 semester*	Area C2 3 semester units	Areas 3B and 6A 3 semester units	8 quarter/5.3 semester UC-H
Statistics	Math 43	Communications and Analytical Thinking Math Proficiency 4 semester units	3 semester*	Area B4 3 semester units	Area 2A 3 semester units	4 quarter/2.6 semester UC-M

Historically Black College and University (HBCU) Transfer Guarantee Project for California Community College Students

On March 17, 2015, the California Community Colleges and nine historically Black colleges and universities signed an historic agreement, which guarantees California community college students who complete certain academic requirements to transfer to a participating historically Black college and university campus.



The thirty five participating institutions are:

- Alabama State University, Montgomery AL (Public)
- Alcorn State University, Lorman, MS (Public)
- Arkansas Baptist College, Little Rock, AR (Private)
- Bennett College, Greensboro, NC (Private)
- Bethune-Cookman University, Daytona Beach, FL (Private)
- Bowie State University, Bowie, MD (Public)
- Central State University, Wilberforce, OH (Private)
- Claflin University, Orangeburg, SC (Private)
- Clark Atlanta University, Atlanta, GA (Private)
- Dillard University, New Orleans, LA (Private)
- Edward Waters College, Jacksonville, FL (Private)
- Fisk University, Nashville, TN (Private)
- Florida Memorial University, Miami Gardens, FL (Private)
- Fort Valley State University, Fort Valley, GA (Public)
- Grambling State University, Grambling, LA (Public)
- Harris-Stowe State University, St. Louis, MO (Public)
- Huston-Tillotson University, Austin, TX (Private)
- Kentucky State University, Frankfort, KY (Public)
- Lane College, Jackson, TN (Private)
- Lincoln University of Missouri, Jefferson City, MO (Public)
- Lincoln University of PA, Lincoln University, PA (Private)
- Mississippi Valley State University, Itta Bena, MS (Public)
- North Carolina Central University (Public)
- Philander Smith College, Little Rock, AR (Private)
- Shaw University, Raleigh, NC (Private)
- Southern University and A&M College, Baton Rouge, LA (Public)
- Stillman College, Tuscaloosa, AL (Private)
- Talladega College, Talladega, AL (Private)
- Tennessee State University, Nashville, TN (Public)
- Texas Southern University, Houston, TX (Private)
- Tougaloo College, Tougaloo, MS (Private)
- Tuskegee University, Tuskegee, AL (Private)
- Virginia State University, Petersburg, VA (Public)
- West Virginia State University, Institute, WV (Public)
- Wiley College, Marshall, TX (Private)

The goal of our Historically Black Colleges and Universities Transfer Guarantee Project is to educate students about additional transfer opportunities at these institutions and develop pathways that will ultimately contribute to an increase in baccalaureate degree attainment.



**For more information visit
[www.cccco.edu/About-Us/Chancellors-Office/
Divisions/Educational-Services-and-Support/
Transfer-and-Articulation-Program](http://www.cccco.edu/About-Us/Chancellors-Office/Divisions/Educational-Services-and-Support/Transfer-and-Articulation-Program)**

The California Community Colleges Board of Governors awards \$1 million to UMOJA Community to better serve underrepresented students



Demonstrating its firm resolve to improve the completion rates of underrepresented California community college students, the California Community Colleges Board of Governors approved a \$1 million contract to expand the services offered by the Umoja Community, a partnering nonprofit serving those students, on California community college campuses.

Umoja programs are designed to increase the retention rates as well as the graduation and transfer rates of underrepresented students, although program participation is open to all. Students enrolled in Umoja programs take classes to help them improve skills in reading, writing and critical thinking, meet with counselors at least twice a semester, receive tutoring support, attend workshops, and participate in field trips.

Contract funds will be distributed by Chaffey College to the Umoja Community to provide for state-level support and coordination for some of the following services:

- Expand the number of Umoja programs and increase the number of students served by existing programs;
- Expand existing partnerships with the University of California, California State University, Historically Black Colleges and Universities (HBCU), and Association of Independent California Colleges and Universities to increase the number of its students transferring to those institutions;
- Hire staff, including a statewide Umoja executive director and regional coordinators; and
- Expand Umoja program training and dissemination of Umoja Community practices.

The Board of Governors officially recognized the Umoja Community as a statewide success program in January 2008. The first Umoja programs were established at California community college campuses that same year. The Umoja Community administers programs at 30 California community college campuses. Three additional colleges plan to implement an Umoja program by fall 2015.

The Umoja Community program is modeled after two successful community college programs, the Daraja Project (Chabot College, Hayward, Calif.), and Project Success (El Camino College, Torrance, Calif.) Daraja students (age 21 or under) successfully completed the Basic Skills to Freshman Composition sequence at a rate 19 percent higher than other students (age 21 or under) not in Daraja. Project Success students have persistence rates at 96 percent and earn associate degrees at a rate twice that of comparable students not in Project Success.

For more information visit www.umojacommunity.org/about





STUDENT SERVICES

Student Services provides a variety of programs and services through which individuals are brought into the college for instruction, assisted in career planning and development, assisted in planning for and pursuing courses of study, provided with avenues for obtaining financial aid and employment, and given an opportunity to participate in many different activities. Student Services is also responsible for record keeping and reporting in matters relating to student progress, attendance, and status, for health and emergency care procedures, and for the general supervision and control of the campus. Additional information about any of the Student Services areas can be obtained by contacting the office of the Vice President of Student Services, Room 204, Building 200, at Chabot College and on the college website at www.chabotcollege.edu/studentservices

GENERAL INFORMATION

ALCOHOL, NARCOTICS AND DANGEROUS DRUGS

Persons possessing or being under the influence of alcohol, narcotics or dangerous drugs on campus are in violation of State law and College regulations.

DRUG-FREE WORKPLACE

Chabot-Las Positas Community College District is committed to maintaining a drug-free work/learning place in accordance with the requirements of the U.S. Drug-Free Workplace Act of 1988. The District certifies that it will provide a drug-free work/learning place by taking the actions required by the Drug-Free Workplace Act. It is the intent of the District to make a good faith effort to continue to maintain a drug-free work/learning place through implementation of this policy.

HAZING

Section 32050 of the Education Code makes participation in any kind of hazing a misdemeanor. Hazing is defined as "any method of initiation into a student organization or any pastime or amusement engaged in with respect to such an organization which degrades or disgraces or which causes bodily harm to any student attending any college or school in California."

HEALTH AND ACCIDENT INSURANCE

Students are responsible for providing their own health and accident insurance. For those students who do not have such coverage, information about assistance with Medi-Cal applications is available in the Student Health Center, upstairs in Building 2300 and on the college website at www.chabotcollege.edu/healthcenter. The College carries accident insurance for enrolled students as a secondary provider to students' own health insurance policies.

MEDICAL ASSISTANCE & EMERGENCIES ON CAMPUS

Students are advised to contact the Campus Safety Office for all non-emergency medical assistance needs at 510-723-6923. This includes a wide variety of possible incidents such as a person feeling nauseous or a minor cut. In the event that an incident is determined to be a medical emergency, students should dial 911 for emergency medical response. The deciding factor for determining if it is a medical emergency is if the injury/condition is of such severity (including severe pain, difficulty breathing, unconsciousness, etc.) that the absence of immediate medical attention could reasonably be expected to result in: placing the person's health in serious jeopardy, serious impairment to bodily functions, or serious dysfunction and/or loss of any bodily organ or part or death.

READMISSION FROM DISMISSED STATUS

Students on dismissed status from Chabot College must submit a Petition for Admission from Dismissed Status form. In order to enroll in classes, readmission must be approved by the Director of Admissions and Records. Forms are available at www.chabotcollege.edu/admissions/forms.php.



ASSESSMENT & PLACEMENT

AB 1805 Irwin Community colleges: Placement Policies This bill adds Section 78221.5 to the Education Code.

As a condition for receiving funding, pursuant to the Student Equity and Achievement Program, AB 1805 requires a community college to provide public notice of its policies regarding the placement of students. Notice information must include a college's placement policies regarding: 1) threshold scores required on specified assessments; 2) requisite grades in specific high school courses, and 3) recommendations by an instructor or counselor. This bill requires each college to report their student placement policies, results, and information concerning justifications for students placed in below transfer-level math and English courses to the Chancellor's Office annually. This bill also requires the Chancellor's Office to publicly post outcome data or make this information available upon request.

Per the passage of Assembly Bill 705 by the California State Legislature, Chabot College has a new placement process for English and Math for summer and fall 2019. Students will use the "English Informed Course Selection" to select their first semester English course. For Math, students will use the "Math Guided Self Placement" to place themselves into an eligible math course that fits their program of study. These two tools help students choose appropriate level math and English courses to achieve their academic goal. The Assessment Center will be available to support students through this process. For information on the updated placement process, visit the Assessment Center website at: www.chabotcollege.edu/counseling/assessment

STUDENT SUCCESS SUPPORT AND SERVICES

Matriculation Services Under the Student Equity and Achievement (SEA) Program

Pursuant to Educational Code Section 78212, Matriculation services continue to be required under the Student Equity and Achievement (SEA) program. "Matriculation" means a process that brings a college and a student into an agreement for the purpose of achieving the student's educational goals and completing the student's course of study. The agreement involves the responsibilities of both parties to attain those objectives through the college's established programs, policies, and requirements. Matriculation Services include implementation of orientation, counseling and advising, referrals to student support services, and other education planning services needed to assist a student in making informed decisions about their educational goal.

Priority Registration will still be established by completing the following services:

1. Online Orientation: Matriculation Services offer an online orientation to help with the transition to Chabot College for all students. The online orientation introduces students to the school's programs, services, academic regulations, expectations, campus facilities, and student life.
Visit www.chabotcollege.edu/counseling/orientation.php to complete the online orientation.
2. Placement: Per the passage of Assembly Bill 705 by the California State Legislature, Chabot College has a new placement process for English and Math. Students will use the "English Informed Course Selection" to select their first semester English course. For Math, students will use the "Math Guided Self Placement" to place themselves into an eligible math course that fits their program of study. These two tools available in Class Web student registration system, help students choose appropriate level math and English courses to achieve their academic goal. The Assessment Center will be available to support students through this process. For information on the updated placement process, visit the Assessment Center website at: www.chabotcollege.edu/counseling/assessment
3. Student Educational Plan (SEP): New, first time incoming college students should attend a First Semester Planning (FSP) session to create an abbreviated, one-semester Student Education Plan (SEP). The SEP helps with class selection to start you on the right path toward your educational goal. Visit the Assessment Center website at www.chabotcollege.edu/Counseling/assessment to find out when is the best time for you to sign up for a FSP session. Returning, transferring in and continuing students who do not have an SEP should visit the Counseling Division website at: www.chabotcollege.edu/counseling or Building 700, 2nd Floor to request an appointment to develop a SEP.

Your SEP will include a specific list of courses for you to take for each subsequent term until your academic goal is met. There are 2 types of SEPs and your counselor can advise which would fit you best:

1. SEP Abbreviated: This plan maps 1 to 3 semesters of classes.
2. SEP Comprehensive: This plan maps out all courses needed towards your educational goal including certificate, degree, and transfer.



ASSESSMENT & PLACEMENT

Additional Ways to Support Your Student Success

We suggest taking these classes to support your academic success in your first year! Psychology-Counseling classes (PSCN) apply counseling theory and practices to the realities of academic success, career-life planning, and being a productive member of a diverse community: PSCN 10, 12, 15, 18, 20, 23 and 30. If pursuing Social Work & Human Services AS/AA-T degrees and certificates or Psychology, Sociology or Social Work as possible majors, consider taking: PSCN 1, 2, 13, and 80. PSCN classes are (1) taught by counseling faculty, (2) AA/AS degree-applicable and CSU transferable, and (3) designed to help you succeed. Contact **Dara Greene** at dgreene@chabotcollege.edu for more information.





FINANCIAL AID

FINANCIAL AID

Financial aid is money provided by the Federal Government, the State of California, or private scholarship funds and is administered by the Chabot Financial Aid Office, to help cover costs associated with attending college at Chabot. The college provides financial assistance to eligible students through scholarships, grants, loans and job opportunities: Federal Pell Grants, Federal Supplemental Educational Opportunity Grants (SEOG), Federal Work Study (FWS), Federal Loans, Cal Grants, Bureau of Indian Affairs grants (BIA), and other external scholarships. The California College Promise Grant (CCPG) will waive the enrollment fees for eligible CA residents and eligible students with AB 540 status.

Students are responsible for knowing all eligibility and renewal requirements and criteria for each type of aid they apply for or receive. The Chabot website is the best source of current information and updates. Links to apply for financial aid, information regarding state, federal and institutions' policies, and additional Chabot forms for financial aid processes are available through the Financial Aid Office's web page at www.chabotcollege.edu/FinAid.

Students begin applying for financial aid for the following academic year on October with a priority deadline of March 2 each year to be considered for the Cal Grant, and for maximum types and amounts of all financial aid programs (including SEOG and FWS funds). Students applying later than this date will be considered for aid as it remains available, and in the order their applications are received, processed and awarded. Each student must reapply each year to be considered for financial aid. Students may view current, accurate information regarding their file status, eligibility, and awards on Class Web.

FINANCIAL AND ACADEMIC ELIGIBILITY

To be eligible to participate in the Title IV student financial aid provided by the U.S. Department of Education and the Chabot-Las Positas Community College District, students must demonstrate both financial and academic eligibility. Financial eligibility is determined by completion and verification of the Free Application for Federal Student Aid (FAFSA), or the California Dream Act Application (CADAA), and academic eligibility is determined by review of academic progress after each term. Maintaining Satisfactory Academic Progress requires all three eligibility criteria are met: minimum 2.00 semester and cumulative grade point average; minimum completion rate of 67% each term; and maximum period of eligibility at 150% of program length in attempted units, or credit hours.

Students who are determined to be ineligible for financial aid due to failure to demonstrate satisfactory academic progress, or who have exceeded the time limits for eligibility, may request reconsideration if they have extenuating circumstances through an appeal process.

See Chabot College's Financial Aid website at www.chabotcollege.edu/finaid for detailed eligibility requirements and policies. See Class Web Financial Aid for individual financial aid file status.

CALIFORNIA RESIDENTS—ENROLLMENT FEE

California residents, except those exempt by law, will be charged an enrollment fee of \$46 per unit for classes at Chabot College. Apply for Financial Aid to waive enrollment fees and potentially receive additional money for school. Enrollment fees are subject to legislative changes throughout the year.



STUDENT RIGHTS TO ACCESS TRANSFER-LEVEL COURSEWORK AND ACADEMIC CREDIT ESL COURSEWORK

AB 705 Background

California Assembly Bill (AB) 705 provides more inclusive and expansive access to transfer-level English and mathematics/quantitative reasoning courses to increase the numbers of students who successfully move through these high-stakes gateways within a one-year time frame. Under AB 705, California Community Colleges may not place students in a below-transfer course in Math or English unless a college can demonstrate that doing so improves the probability that a student will enter and complete transfer-level coursework within a one-year timeframe.

Although all students may register for transfer-level English classes, students who speak English as their second language have an additional option: they can register for English as a Second Language (ESL) classes to develop their English skills in preparation for transfer-level coursework and earn academic credit. Chabot College is committed to providing academic and student support services to achieve the goal of maximizing the probability students will enter and complete such coursework.

The law also requires that the placement process utilize multiple measures, such as high school GPA and high school course completion. Chabot policies implementing these provisions of AB 705 are described below.

English Informed Course Selection

Students are no longer being asked to take an assessment test to place into transfer-level English. All students are eligible to enroll in transfer-level English 1, or may choose to take a college-preparatory course, English 101A or English 102.

Students can learn about their options for their first English class on the Chabot English department's webpage:

www.chabotcollege.edu/academics/language-arts/english/course-selection/index.php

To get started and to register for your first semester English class: The English Informed Course Selection tool (ICS) can be found in Class-Web. Students may access Class-Web upon receipt of a student identification number ("W" number).

ESL Assessment

It is recommended that English language learners take the ESL Assessment; using the ESL Assessment and multiple measures, the Assessment Center can recommend the courses best matched to their skill level. English language learners who have completed four years of high school English but who are uncertain whether their English skills will allow them to succeed in college-level courses are advised to take the ESL Assessment.

The following link provides the instructions for taking the ESL Assessment:

www.chabotcollege.edu/counseling/assessment/placement-esl-students.php

ESL classes are not basic skills or remedial classes; they are considered college-level foreign language classes for students who already know one or more languages. ESL courses are designed so that it is possible for students beginning the program to complete their transfer-level English requirements within three years.

Mathematics Guided Self Placement

To comply with AB 705, all students will have access to first-level transferable math courses after completing the Chabot Math Guided Self-Placement (GSP). The GSP makes a course recommendation to students based on multiple measures (such as education level, high school GPA, and high school coursework). Self-report of multiple measures information is accepted. Students may also advance in their math placement using the options below.

1. Submitting standardized test results such as Advanced Placement Examinations.
2. Seeing a math faculty member for a prerequisite override after reviewing readiness questions and solutions thereof for a course whose prerequisite the student has completed previously in high school.

Students would find it helpful to learn about math course options before completing the GSP by using the following link:

www.chabotcollege.edu/academics/science-math/mathematics/course-selection.



ENGLISH INFORMED COURSE SELECTION

FIRST SEMESTER ENGLISH COURSES AT CHABOT COLLEGE

ENGLISH 201A/201B	ENGLISH 102	ENGLISH 1
Non-Credit • Non-Transferable FREE • Pass/No Pass Not Required for AA/AS Degrees	4 units • Non-Transferable Pass/No Pass Not Required for AA/AS Degrees	4 units • Transferable Letter Grade Only Required for AA/AS Degrees
English 201A and 201B are slower-paced college preparatory English classes , FREE to students. Each class is 9 weeks and can be taken in sequence or as a stand alone class. Both include in-class time to practice college-level reading and writing. Students who take 201A and/or 201B, may move into 102 the following semester, or jump ahead into English 1. Students who complete 201A and 201B will earn a Certificate of Competency.	English 102 is an accelerated college preparatory English class designed for students to move, in one semester, into English 1 , and includes in-class time to practice college-level reading and writing.	English 1 is a transferable, college-level English course . Students develop <u>advanced</u> reading, writing, and critical thinking skills.
<p>Course and Student Expectations</p> <p>Expect to spend time in and out of class:</p> <ul style="list-style-type: none"> • Reading and writing about a range of texts, including full-length works • Developing paragraphs and essays • Building active reading habits to understand college-level texts • Moving at a moderate, step by step pace <p>Students who choose English 201A/B:</p> <ul style="list-style-type: none"> • Prefer learning step by step at a slower pace • Did not get a lot of experience reading and writing in high school • Want to refresh reading and writing skills typically taught in high school • Want a short-term course to practice English skills • Prefer a course that builds English vocabulary and comprehension • Want more time and support before taking college-level English 1 for a letter grade 	<p>Course and Student Expectations</p> <p>Expect to spend time in and out of class:</p> <ul style="list-style-type: none"> • Reading and writing about full-length books • Developing academic reading skills, such as analysis and synthesis • Writing academic essays • Moving at a faster pace than English 201A/201B • Building a strong foundation for English 1 <p>Students who choose English 102:</p> <ul style="list-style-type: none"> • Are motivated to advance quickly • Had limited experience with academic reading and essay writing in high school • Want to refresh reading and writing skills typically taught in high school • Want in-class, hands on practice with citing sources, reading for main points, and writing longer papers about books • Want to establish a stronger foundation in academic reading and writing before taking college-level English 1 for a letter grade 	<p>Course and Student Expectations</p> <p>Expect to spend time in and out of class:</p> <ul style="list-style-type: none"> • Reading and analyzing full-length books • Synthesizing ideas from multiple sources as you write an essay • Conducting research, with the support of the instructor <p>Students who choose English 1:</p> <ul style="list-style-type: none"> • Have solid experience reading books and writing academic essays (from high school or college classes) • Have effective strategies for annotating a text and separating out main points from details • Are aware of how to quote and cite texts • Are comfortable reading 50-75 pages per week or feel ready for the challenge • Are comfortable writing essays of 1500 words (5-7 pages, double-spaced) or feel ready for the challenge

NOTE FOR STUDENTS AND COUNSELORS:

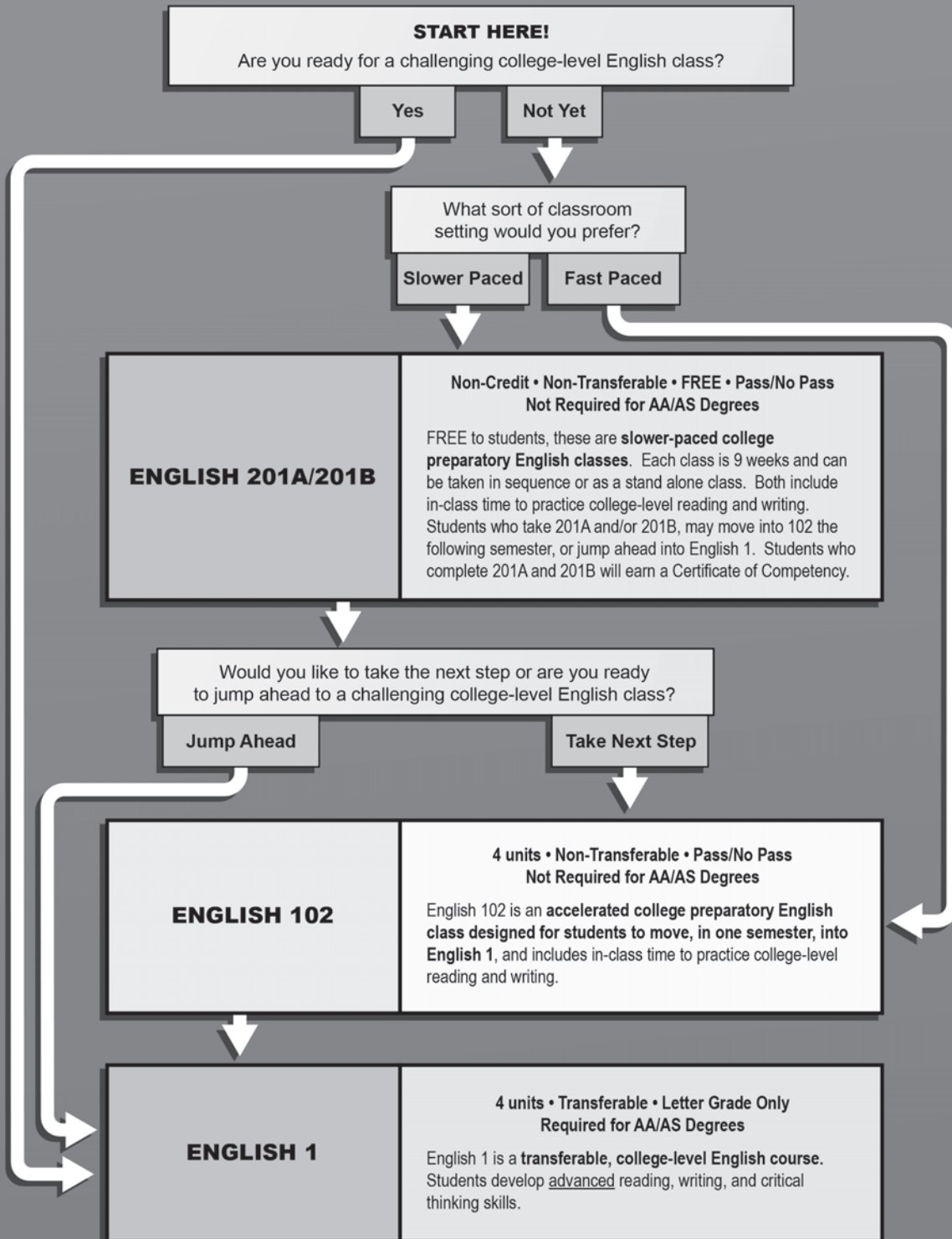
English 101A and 102 are not prerequisites to taking English 1 (or 1A). They are college-preparatory courses to help students who choose English 201A/201B and 102 are not prerequisites to taking English 1. They are college-preparatory courses to help students who choose them to be more successful or feel more prepared when taking English 1. If a student does not pass English 201A/201B or English 102, he or she may still move into English 1. Students may also enroll in English 1 with a noncredit support class, English 215. English 215 is FREE.

Students who complete English 201A or 201B and English 215 will receive a Certificate of Competency.



ENGLISH INFORMED COURSE SELECTION FIRST SEMESTER ENGLISH COURSES AT CHABOT COLLEGE

ENGLISH INFORMED COURSE SELECTION First Semester English Courses at Chabot College



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MATH ENROLLMENT GUIDE

All students have access to transfer-level math courses after using the Math Guided Self-Placement Tool, which also helps students place beyond the first level and consider lower level options.

It is helpful for you to complete the Math GSP at home before you attend a First Semester Planning session, so you can jump to talking to a counselor about your math choice.

Go to the Assessment Center website to learn more about how the Chabot Assessment Center can help you place into classes that match your skills and experience:

www.chabotcollege.edu/counseling/assessment

The first-level transferable math courses are MTH 31, 36, 37, 41 (Spring only), 43, 47; PSY 5; and BUS 19. MTH 31, 36, and 37 are for students who need calculus; general students should choose another course. For more information about choosing a first-level transfer math course, see

The Math Guided Self-Placement (GSP) Tool is used by students to find the appropriate first semester Math course and pathway.

Please follow these steps:



Step 1: Log into CLASS-Web

Step 2: Click on the "Student Services" tab



Step 3: Toward the bottom of the page, click on the "Chabot Math Guided Self-Placement" link

Step 4: Follow the directions for each page and, when completed, a recommendation will be displayed.

For options based on academic or career fields:

<https://qrco.de/ChabotMathByFields>



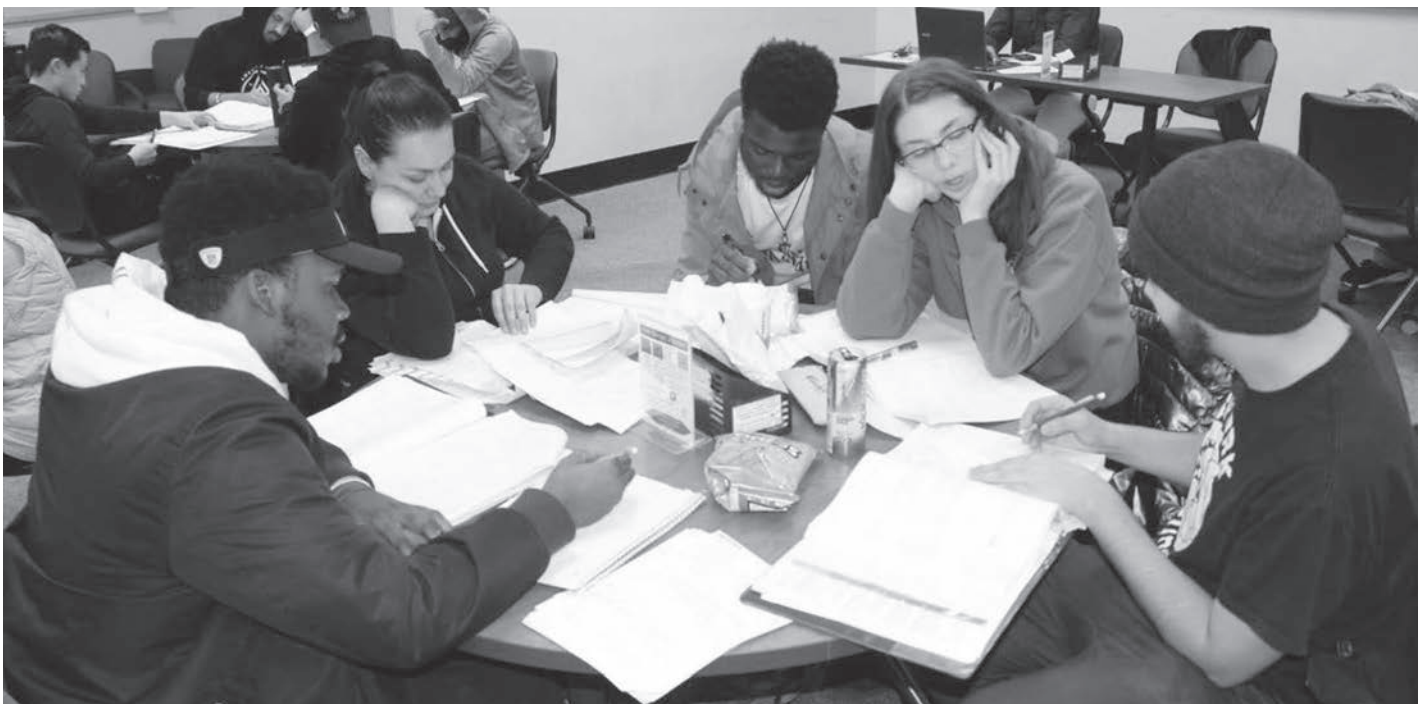
For more detail about courses:

<https://qrco.de/ChabotMathChoice>



Sections with Support: This option is available for students who need MTH 43 or PSY 5. It works well for students who have not completed the course prerequisite and/or feel they could benefit from additional class time for review and developing study skills.

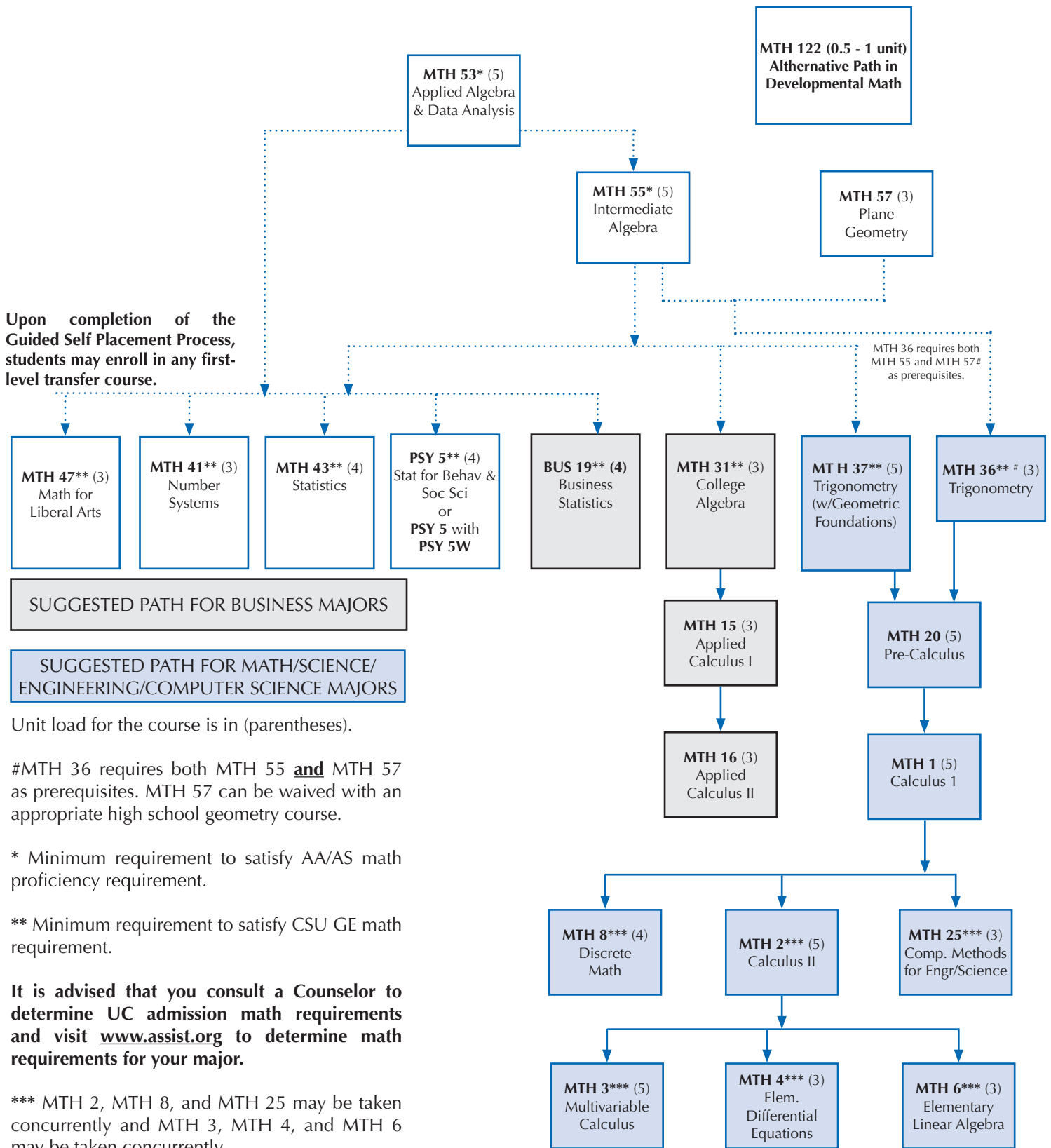
PSY 5 students who want additional instructional support may enroll in any section of PSY 5W workshop (0.5 unit) in addition to any section of PSY 5 (4 units). It is recommended especially for PSY 5 students who are new college students with HS GPA is less than 2.3.



For information about updated placement process, please visit the Assessment Center website at www.chabotcollege.edu/counseling/assessment



MATH GUIDED SELF-PLACEMENT



For information about updated placement process, please visit the Assessment Center website at www.chabotcollege.edu/counseling/assessment.



REGISTRATION

NEW STUDENTS

Students who have never attended the Chabot/Las Positas Community College District will need to complete the following steps for registration:

1. Complete and submit an application for admission online at www.chabotcollege.edu
2. Access student Zonemail
3. Apply for Financial Aid: www.chabotcollege.edu/finaid
4. Complete online orientation by visiting: www.chabotcollege.edu/counseling/orientation.php
5. Placement: Per the passage of Assembly Bill 705 by the California State Legislature, Chabot College has a new placement process for English and Math for summer and fall 2019. Students will use the “English Informed Course Selection” to select their first semester English course. For Math, students will use the “Math Guided Self Placement” to place themselves into an eligible math course that fits their program of study. These two tools help students choose appropriate level math and English courses to achieve their academic goal. The Assessment Center will be available to support students through this process. For information on the updated placement process, visit the Assessment Center website at: www.chabotcollege.edu/counseling/assessment
6. Complete First Semester Planning.
Visit www.chabotcollege.edu/counseling/assessment/placement-incoming-freshmen.php for more information.
7. Register for classes online by logging into CLASS-Web or The Zone - on or after assigned registration date
8. Pay fees online
9. Buy parking permit
10. Get student ID card
11. Attend classes

FORMER STUDENTS

Students who are not enrolled in the current term but who have previously attended the Chabot/Las Positas Community College District will need to complete the following steps for registration.

1. Complete and submit a new application for admission online at www.chabotcollege.edu
2. Former students on probation must obtain counselor advisement and approval before proceeding with registration
3. Former students on dismissal status must submit a Petition for Admission from Dismissed Status to the Director of Admissions & Records
4. Access student Zonemail
5. Apply for Financial Aid: www.chabotcollege.edu/finaid
6. Complete online orientation by visiting: www.chabotcollege.edu/counseling/orientation.php
7. Placement: Per the passage of Assembly Bill 705 by the California State Legislature, Chabot College has a new placement process for English and Math for summer and fall 2019. Students will use the “English Informed Course Selection” to select their first semester English course. For Math, students will use the “Math Guided Self Placement” to place themselves into an eligible math course that fits their program of study. These two tools help students choose appropriate level math and English courses to achieve their academic goal. The Assessment Center will be available to support students through this process. For information on the updated placement process, visit the Assessment Center website at: www.chabotcollege.edu/counseling/assessment
8. Complete First Semester Planning.
Visit www.chabotcollege.edu/counseling/assessment/placement-incoming-freshmen.php
9. Submit official transcripts.
10. Log on to CLASS-Web to check priority registration status
11. Register for classes online by logging into CLASS-Web or The Zone
12. Pay fees online
13. Buy parking permit
14. Attend classes



REGISTRATION

PRIORITY REGISTRATION

Registration priority group and registration date will be determined by the completion of the three Core Matriculation Services (Placement, Orientation, and Student Education Plan), the number of units completed and in progress at Chabot-Las Positas Community College District, and maintenance of good academic standing.

The California Community College Board of Governors approved a policy change to establish system-wide registration priorities in an effort to improve student success. The new regulations are designed to ensure that classes are available for students seeking job training, an associate degree or transfer, and to reward students who are making academic progress towards their academic goals. Consequently, enrollment priorities have been redefined and changes have gone into effect.

Under the State regulations, new and continuing students who have completed college placement, orientation, and developed education plans, as well as students in good academic standing who have not exceeded 100 units (not including units in basic English, Math or English as a Second Language) will have enrollment priority over students who do not meet these criteria. Students will register for courses according to an enrollment priority system as defined by Title 5 regulations and the Chabot-Las Positas Community College District.

Priority Groups information is included in the current class schedule and posted on the college website at www.chabotcollege.edu.

NONRESIDENT TUITION

Nonresidents of California are required to pay a tuition fee of \$315 per unit in addition to the enrollment fee.

INTERNATIONAL STUDENT TUITION

The tuition fee for international students, non-immigrant aliens or students on other visa types is \$315 per unit in addition to the enrollment fee. International students (F-1 and M-1 visa) are required to enroll in a minimum of twelve units per semester.

ENROLLMENT REFUND POLICY

Students may request a refund of enrollment fees as long as the student withdraws from the class during the first two weeks of a full-term class, or by the 10% point of the length of a short-term class. Refunds are not automatic. Requests for refunds must be filed by June 30 for the academic year just ended. Credit balances do not carry over from one academic year to the next.

A student who must withdraw for military purpose shall be refunded 100% of fees paid for the term, regardless of the date of withdrawal. In this case, requests for refunds made after the end of the academic year will be honored.

To apply for an enrollment fee refund, student must submit an Application for Refund of Fees form to the Admissions and Records Office. This form is available online at www.chabotcollege.edu/admissions/cost-payment/refund.php.



ACADEMIC REGULATIONS

GRADES

Grades are a means of communicating student achievement within courses of instruction. The suggested meaning of college grades is as follows:

- "A" — The student has been consistently superior in all phases of the course and has shown initiative, imagination, and self-direction well beyond that required by the instructor.
- "B" — The student has satisfied the course objectives with fairly consistent performance typically above average and demonstrates considerable mastery of the course materials.
- "C" — The student has completed most of the course objectives and requirements in a satisfactory manner as to quantity and quality of performance, including attendance and participation.
- "D" — The student has barely met the course objectives and success in advanced work is doubtful.
- "F" — The student has failed to accomplish the minimum requirements of the course and has not met the course objectives to any significant degree.
- "P" — The student has completed the course with "C" or better work.
- "NP" — The student has completed the course but without credit. The student has either not taken the examination or has fallen below the grade of "C."
- "I"* — The student has not completed the course, has not taken the final examination, and has made an agreement with the instructor to complete the requirements.*

*"I" (incomplete) grades represent an instructor-student agreement that the student may complete the course work by the end of the following term or semester and receive an appropriate letter grade. If the student does not complete the course work before this deadline, the right of the student to make up the work is forfeited. The "I" will be replaced with the alternate letter grade assigned by the instructor at the time the incomplete was assigned. Consequently, the revised GPA will be calculated.

ACADEMIC GRADE POINT AVERAGE

Grade Meaning Value

A	Excellent	grade point of 4
B	Good	grade point of 3
C	Satisfactory	grade point of 2
D	Passing (Less than satisfactory)	grade point of 1
F	Failing	grade point of 0
P	Passing (At least satisfactory)	units awarded, not counted in GPA
NP	No Pass (Less than satisfactory, or failing)	units not awarded and not counted in GPA
SP – Satisfactory Progress towards completion of the course (Used for noncredit courses only and is not supplanted by any other symbol)		

Non-Evaluative symbols:

I	Incomplete
IP	In progress
RD	Report delayed
W	Withdrawal
MW	Military withdrawal
EW	Excused Withdrawal; Withdrawal for Extenuating Circumstances (Ref. FA Contract Article 9L.2; Title 5 Section 55024)
CW	Covid Withdrawal

The Academic Grade Point Average is an index of the quality of a student's work.



ACADEMIC REGULATIONS

To enable the calculation of grade point average, eligibility for honors and recognition, and other scholastic status, letter grades are converted to numerical form. The grade point average (G.P.A.) is calculated by dividing total grade points by total units attempted:

G.P.A. = Total Grade Points/Total Units Attempted (See Catalog diagram)

ADMINISTRATIVE SYMBOL "IP" – MASTERY LEARNING COURSES

The administrative symbol "IP" is established to indicate coursework "in progress." Its use is limited to mastery learning courses. It may be used only for a student who is making satisfactory progress toward the completion of a course but who has not completed all of the modules by the end of the semester or session.

The symbol "IP" is not a grade; therefore, it has no value in calculating unit credit, grade point average, or grade point balance. Only one symbol "IP" may be received by a student for any one mastery learning class; therefore, the class must be completed within two academic terms (semester or session).

ADMINISTRATIVE SYMBOL "RD" – REPORT DELAYED

The administrative symbol "RD" may be assigned by the responsible Admissions and Records Administrator or designee. It is to be used only when there is a delay in reporting the grade of a student due to circumstances beyond the control of the student. It is a temporary notation to be replaced by a permanent grade/symbol, as soon as possible.

"RD" shall not be used in calculating grade point averages.

ADMINISTRATIVE SYMBOL "I" – INCOMPLETE

Incomplete academic work for unforeseeable emergency and justifiable reasons at the end of the term may result in an "I" symbol being entered by the instructor on the student's permanent record. The following documentation shall be maintained in writing by the responsible Admissions and Records Administrator or designee:

- The condition(s) stated by the instructor for removal of the "I."
- The letter grade to be assigned when the stipulated work has been completed or the letter grade to be assigned if the work has not been completed within the designated time limit.

The "I" shall be made up by the end of the term or semester following the date it was granted. The student may petition to extend this deadline date because of extenuating circumstances, but it will require the approval of the Chief Instructional Officer or designee, and the instructor of record.

The "I" symbol shall not be used in calculating units attempted nor for grade points.

ADMINISTRATIVE SYMBOL "MW" – MILITARY WITHDRAWAL

The Military Withdrawal ("MW") symbol is part of the Academic Record Symbols and Grade Point Average regulations to assist students who are members of an active or reserve military service, and who receive orders compelling withdrawal from courses. The "MW" symbol shall not be used in calculating units attempted for grade points or progress. There shall not be any charge for Military Withdrawal, and a full refund of enrollment fees shall be made for all class(es) from which the student must withdraw.

Upon verification of such orders, this symbol shall be assigned at any time after the No Grade of Record (NGR) period - end of second week of classes.

ADMINISTRATIVE SYMBOL "EW" – EXCUSED WITHDRAWAL

Excused Withdrawal occurs when a student is permitted to withdraw from a course(s) due to specific events beyond the control of the student affecting his or her ability to complete a course(s). These events and may include an accident or illness, job transfer outside the geographical region, an illness in the family where the student is the primary caregiver, when the student who is incarcerated in a California state prison or county jail is released from custody or involuntarily transferred before the end of the term, when the student is the subject of an immigration action, or other circumstances making course completion impracticable. Upon consultation with the course faculty and verification of these conditions or reviewing documentation substantiating the condition, an excused withdrawal symbol may be assigned. The withdrawal symbol so assigned shall be an "EW."



ACADEMIC REGULATIONS

GUIDELINES FOR EXCUSED WITHDRAWAL

BACKGROUND

A community college student who withdraws from an academic course after the specified drop period consistent with district policy receives a notation of “W” on their academic record/transcript. In some instances, students must withdraw from a course under circumstances beyond their control, yet their transcripts would show a “W” for each withdrawal. The “W” notation is then used to calculate progress probation and dismissal; however, it is not included in the grade point average calculation. The Chancellor’s Office was asked to develop regulations allowing a non-evaluative symbol to reflect the fact that some students withdraw from a course compelled by circumstances beyond his or her control. The non-evaluative symbol permits the district/college to avoid penalizing students by excluding them from progress probation and dismissal calculations. The intent of the law is to allow students the ability to drop courses without penalty due to extenuating circumstances. For this reason, the Excused Withdrawal symbol “EW” has been adopted.

ACCEPTABLE REASONS FOR AN EXCUSED WITHDRAW

In accordance with Title 5, section 55024(e), the governing board of a district shall adopt an EW procedure based upon verifiable documentation supporting the request. An EW is acceptable when a student withdraws from a course(s) due to reasons beyond their control, which include but are not limited to, the following:

- Job transfer outside the geographical region;
- Illness in the family where the student is the primary caregiver;
- An incarcerated student in a California State Prison or County Jail is released from custody or involuntarily transferred before the end of the term (In the case of an incarcerated student, an excused withdrawal cannot be applied if the failure to complete the course(s) was the result of a student's behavioral violation or if the student requested and was granted a mid-semester transfer);
- The student is the subject of an immigration action;
- Death of an immediate family member;
- Chronic or acute illness;
- Verifiable accidents; or
- Natural disasters directly affecting the student.

Verifiable documentation can include, but is not limited to a note from a doctor stating the student is not currently able to complete the work due to illness, employment verification of a new job, a booking report, police report of an accident, or any other documentation that proves the student’s completion of a course is impractical. The Chancellor’s Office defines impractical as impossible due to reasons beyond the student’s control. The determination shall be made by the local college’s admissions and records office. A student may request to use an EW for only one course or all courses in a term depending on the reason for the request. It is possible a student, based on an illness for example, is not able to participate in an in-person course but is able to continue with online courses. Colleges should use individual case facts to determine the continuity of some courses and not others.

ADDITIONAL STIPULATIONS

In accordance to Title 5, section 55024 (e), an EW symbol may be requested by the student at any time during the semester and no later than the date when the district/college policy allows a grade change. Excused Withdraw shall not be counted in progress probation or dismissal calculations nor shall it be counted towards the permitted number of withdrawals or counted as an enrollment attempt. The financial aid of a student may be affected depending on individual circumstance. A student should consult with the financial aid office regarding any impact. These guidelines are to be effective immediately. All districts shall communicate the option of an EW to all students in the same method other withdraw options are communicated. This can be via grading policy publications, website postings, course catalog, and/or petition forms.

IMPOUNDING STUDENT RECORDS

Whenever a student is delinquent through failure to comply with College rules and regulations, to pay debts, or to return property owned by the College, that student’s records may be impounded. A student whose records are impounded shall not be allowed (1) to register for subsequent terms of instruction; or (2) to receive other services of the College, which relate to his/her records. When the student has cleared his/her obligation with the College, the impoundment of his/her records shall be removed.



NONCREDIT INFORMATION

Chabot College now offers noncredit classes and certificate programs in a variety of disciplines. The following departments offer noncredit courses:

Art (ART)	Electronic Systems Technology (ESYS)	Learning Skills (LNSK)
Automotive Technology (ATEC)*	Healthy Aging Older Adults (HEAG)	Math (MTH)*
English (ENGL)*	Health (HLTH)	Nutrition (NUTR)
English as a Second Language (ESL)*	Industrial Technology (INDT)	Tutoring (TUTR)

*Courses in this area are part of noncredit certificates in Career Development and Career Preparation.

For descriptions of the courses and programs visit our Noncredit Offerings:

chabotcollege/edu/academic services/noncredit, and the college catalog.

1. What is a noncredit class?

Noncredit courses are offered to students without the expense of enrollment fees and designed to help students reach personal, academic, and professional goals. Noncredit courses often serve as a point of entry for underserved students as well as a transition point to prepare students for credit instruction and lifelong learners.

2. Why should I consider a noncredit class?

The focus of noncredit courses is on skill attainment for either College Preparation Career Development or personal enrichment not grades or units. These courses are repeatable and not affected by the 30 unit basic skills limitation. Noncredit programs or certificates are designed to prepare students for credit programs or employment and to bridge education with career pathways through career training preparation, practice and certification. Noncredit is affordable because it is FREE from enrollment fees (except campus based fees) and it does not count towards financial aid, allowing you to save your allowed financial aid units for other courses. Plus, as a noncredit student you still have access to Counseling and Student Services.

3. What are the key differences between credit and noncredit?

Credit students may earn an Associates Degree or Certificate of Achievement, while noncredit students may earn Certificates of Completion and Certificates of Competency. Noncredit courses bear no units and are repeatable, while most credit courses are not repeatable except under special circumstances. See the Counseling website for more information.

4. Can I earn a noncredit certificate?

Noncredit certificates provide students with the opportunity to gain skills necessary to advance in their career, transition into a new career, transition to credit instruction, or prepare for future academic students and training. Students can earn a Certificate of Completion when they complete a sequence of courses in programs with high employment potential or career training preparation. Certificate of Competency can be earned when students complete noncredit courses and demonstrate improvement in basic skills in English, Mathematic, or English as a Second Language.

5. Do I get a grade for noncredit courses?

If you receive a grade in a noncredit course it is not reflected in your GPA Noncredit courses have the following grading options:

1. No grade
2. Standard letter grades or Pass/No Pass
3. Progress Indicators (Satisfactory Progress)
4. Feedback essential to student learning



VETERANS BENEFITS AND TRANSITION ACT OF 2018 (SECTION 103)

This provision was effective August 1, 2019, and aims to protect students that are using Chapter 33 Post 9/11 GI Bill benefits or any participants in Chapter 31 Veterans Readiness and Employment Program from penalties and fees due to VA payment delay.

To comply with the Veterans Benefits and Transition Act of 2018, Chabot College will NOT:

1. Assess late penalty fees/charges due to delayed disbursements from the Department of Veterans Affairs under Chapter 31 or Chapter 33.
2. Prevent students from enrolling in classes
3. Require the student to secure alternative or additional funding to cover the applicable tuition and fee expenses.
4. Deny the student access to any school resources to include (access to classes, libraries or other institutional facilities) that are available to other paid students.

The school WILL require that each student provides the following:

1. An official Department of Veterans Affairs "Certificate of Eligibility" or "Statement of Benefits" from the VA website on or before the first day of class for the semester
2. Complete a written certification request to be certified for benefits, and
3. Provide additional information required to ensure proper certification of benefits.
4. If there is a difference in the amount of the student's financial obligation to the college and the amount that the student is eligible to receive from the Department of Veterans Affairs, the student may incur an additional fee or payment may be required to make up the difference.





CURRICULUM CHANGES

NEW DEGREES

Art History (AA-T)
English (Emphasis in Creative Writing) (AA)
Film, Television and Electronic Media (AS-T)

Music Technology & Production (AA)
Philosophy (AA)
Philosophy (AA-T)

NEW CERTIFICATES

Acting: Advanced (COA)
Acting: Fundamentals (COA)
Africana and African American Studies (COA)
Audio Recording (COA)
Educational Aide (COA)
Enrolled Agent (EA) Exam Preparation (COP)

Health Information Coding (COA)
Law Enforcement (COA)
Music Production (COA)
Tax Preparer (COA)
Technical Theater (COA)
Technology-Based Automotive Systems (COA)

NEW NON-CREDIT CERTIFICATE

Non-Credit Preparation for English Composition (COP)

REVISED DEGREES

Accounting (AS)
Administration of Justice (AA)
Administration of Justice (AS-T)
Administrative Assistant (AS)
Electronic Systems Technology (AS)
English (AA-T)
Geography AA-T
Liberal Studies (AA)
Medical Assisting (AS)

Music (AA-T)
Nursing (AS)
Studio Arts (AA-T)
Social Justice: African American Studies (AA-T)
Social Justice: Asian American Studies (AA-T)
Social Justice: Chicano Studies (AA-T)
Social Justice: Ethnic Studies (AA-T)
Theater Arts (AA)

REVISED CERTIFICATES

Accounting Technician (COA)
CSU GE Breadth (COA)
ESYS: Consumer Technology (COA)
ESYS: Industrial Electronic Technology (COA)

Intersegmental General Education Transfer Curriculum (IGETC) (COA)
Medical Assisting (COA)
Paralegal Studies (COA)
Project Management (COP)

CORRECTIONS

Fine Art Ceramics (AA)
Fine Art Painting and Drawing (AA)
Fine Art Sculpture (AA)
Business (AS-T)
Administrative Assistant (COA)

Communications (AA-T)
Elementary Teacher Education (AS-T)
Early Childhood Education (AS-T)
Mass Communications (AA)
Machine Tool Technology (AS)



CHABOT COLLEGE

2021-2022 CURRICULUM CHANGES

ADMINISTRATION OF JUSTICE (ADMJ)

(REVISED DEGREE)

ADMINISTRATION OF JUSTICE ASSOCIATE IN SCIENCE FOR TRANSFER (AS-T)

The Associate of Science Degree in Administration of Justice for Transfer (AS-T) is specifically designed to prepare students to transfer to universities offering a major in Administration of Justice/Criminal Justice. The two-year program introduces students to criminal law, evidence procedures, investigations, and community relations with general education courses required for graduation. It also combines a series of courses intended to develop interpersonal and written communication skills, social and cultural sensitivity, ethical awareness, and concepts of leadership necessary to be successful in a variety of careers. The degree prepares students seeking to transfer to a CSU Administration of Justice/Criminal Justice program and for careers in law, law enforcement, probation and parole, corrections, security and other justice-related and technical occupations. Students who successfully complete the AS-T in Administration of Justice earn specific guarantees for transfer to the CSU system: admission to a CSU with junior status and priority admission a local CSU campus and to a program or major in Administration of Justice or a similar major. Students transferring to a CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. Students are required to complete 60 semester units that are eligible for transfer to a California State University, including one of the following: (1) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements and (2) 18-19 semester units with a grade of C or P or better in the major and an overall minimum grade point average (GPA) of at least 2.0 in all CSU transferable coursework.

CAREER OPPORTUNITIES IN ADMINISTRATION OF JUSTICE

The Administration of Justice Associate in Science for Transfer will prepare students for entry-level careers in federal, state, and local law enforcement agencies, judicial administration, correctional agencies and institutions, and private security agencies.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Evaluate and analyze administration of justice issues and topics using knowledge of the institutions and processes of the justice system.
2. Understand the interdisciplinary nature of the justice system and the varying perspectives of the liberal arts, sciences and technology as related to law enforcement, courts, and corrections.

Required Core (6 units)		Units
ADMJ 50	Introduction to the Administration of Justice	3
ADMJ 60	Criminal Law	3

List A: Select two courses from the following (6 units)

ADMJ 40	Juvenile Procedures	3
ADMJ 55	Introduction to Correctional Science	3
ADMJ 61	Evidence	3
ADMJ 63	Criminal Investigation	3
ADMJ 70	Community Relations	3
ADMJ 80	Criminal Court Process	3
ADMJ 85	Introduction to Forensics	3

List B: Select two courses from the following (Minimum 6 units)

ADMJ 42	Leadership and Integrity	3
PSY 1	General Psychology	3
SOCI 1	Principles of Sociology	3
PSY 5	Introductory Statistics for the Behavioral and Social Sciences	4
	or	
MTH 43	Introduction to Probability and Statistics	4
	or	
BUS 19	Business Statistics	4

Unit Calculations

Major Courses	18 - 19
General Education	CSU GE 39 IGETC 37

Electives: degree applicable as needed

Total 60 minimum degree applicable as needed

(REVISED DEGREE)

ADMINISTRATION OF JUSTICE ASSOCIATE IN ARTS (AA)

The Administration of Justice program prepares students to serve in law, law enforcement, probation, corrections and other justice-related careers by providing in-depth knowledge of criminal law, evidence, procedure, investigations and forensics. It also develops students' interpersonal and written communication skills and explores social and cultural sensitivity, ethical awareness, and fundamentals of leadership. The program has been authorized by the Commission on Peace Officer Standards and Training (P.O.S.T) to offer certain technical and specialized courses.

CAREER OPPORTUNITIES IN ADMINISTRATION OF JUSTICE

The Administration of Justice Associate in Arts will prepare students for entry-level careers in federal, state, and local law enforcement agencies, security and court administration, probation, and correctional agencies.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Evaluate and analyze administration of justice issues and topics using knowledge of the institutions and processes of the justice system.
2. Understand the interdisciplinary nature of the justice system and the varying perspectives of the liberal arts and sciences as related to law enforcement, courts, and corrections.

Year One

	Units
ADMJ 42 Leadership and Integrity	3
ADMJ 50 Introduction to the Administration of Justice	3
ADMJ 60 Criminal Law	3
ADMJ 61 Evidence	3

Year Two

ADMJ 63 Criminal Investigation	3
ADMJ 70 Community Relations	3

Electives (Choose 2)

ADMJ 40 Juvenile Procedures	3
ADMJ 41 Legal Persuasion and Argument	3
ADMJ 54 Investigative Reporting	3
ADMJ 55 Introduction to Correctional Science	3
ADMJ 74 Gangs and Drugs	2
ADMJ 80 Criminal Court Process	3
ADMJ 85 Introduction to Forensics	3

Unit Calculations

Major Requirements	23 - 24
General Education	25
Electives: Degree applicable units as needed	
For specific A.A. General Education courses refer to catalog section on A.A. General Education Requirements.	

Total Units	60
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(NEW CERTIFICATE)

LAW ENFORCEMENT CERTIFICATE OF ACHIEVEMENT

The Certificate of Achievement in Law Enforcement provides 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. Course 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.

For additional eligibility and program requirements, please visit: www.chabotcollege.edu/academics/applied-technology-business/admj/alameda-county-sheriffs-academy.php.

CAREER OPPORTUNITIES IN LAW ENFORCEMENT

Upon recommendation by the ADMJ Advisory Board (consisting of industry professionals) the Law Enforcement certificate prepares students for an entry-level career as a Peace Officer in the state of California, Deputy Sheriff, State Trooper, Border Patrol Agent, Fish and Game Warden, as well as a Special Jurisdiction Police Officer, including public college and university police forces and public school district police. The certificate also supports careers as a criminal investigator, detective, and supervisory positions. According to the US Bureau of Labor Statistics, law enforcement has a projected growth rate of 5% and the median annual salary for a police officer in California is \$63,380.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Develop the analytical thinking and professional skills necessary to work as a peace officer, including the application of procedures and techniques of law enforcement, criminal law, patrol procedures, cultural diversity, investigative procedures, report writing, defensive tactics, firearms, leadership, ethics, community policing, police vehicle operations, traffic enforcement, accident investigation, emotional well-being and first aid/CPR.
2. Ability to apply to police agencies as a qualified peace officer, having satisfied the requirements set by the Commission on Peace Officer Standard Training for the state of California.
3. Identify and apply principles of nutrition, stress, fitness and overall wellness based on a peace officer work schedule.

Required Core:

ADMJ 9907 Physical Fitness for Law Enforcement	1
ADMJ 9997 Law Enforcement Academy	29

Total Units	30
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COURSES

(REVISED CREDIT COURSE)

60 CRIMINAL LAW

3 UNITS

This course offers an analysis of the doctrine of criminal liability in the United States and classification of crimes against persons, property, morals, and public welfare. Emphasis is placed on the classification of crime, elements of particular crimes, and defenses to crime. This course utilizes case law and case studies to introduce students to criminal law and will include some limited discussion of prosecution and defense decision making, criminal culpability, and defenses to crime. 54 hours lecture.

(NEW COURSE)

ADMJ 9907 PHYSICAL FITNESS FOR LAW ENFORCEMENT 1 UNIT

This course is designed to prepare the administration of justice student for pre-employment physical ability testing, physical aspects of the Police Academy, and the maintenance of fitness and wellness as an incumbent. Course sessions will address aerobic and strength training, muscular endurance, nutrition and weight management, agility, coordination, balance and flexibility. An emphasis will be placed on injury prevention and back care.

ANTHROPOLOGY (ANTH)

(REVISED CREDIT COURSE)

1 BIOLOGICAL/PHYSICAL ANTHROPOLOGY 3 UNITS

Humans as a biological species through the examination of evolutionary biology and genetics, primate comparative anatomy and behavior, and fossil evidence. Emphasis on uniquely human biological and behavioral characteristics, as well as those shared with other animals. Current anthropological issues such as the biological meaning of race, genetic diseases, and the influence of evolution on human behavior. 54 hours lecture. **Strongly Recommended:** Eligibility for ENGL 1A or Eligibility for ENGL 1.

(REVISED CREDIT COURSE)

1L BIOLOGICAL/PHYSICAL ANTHROPOLOGY 1 UNIT LABORATORY

Laboratory activities and exercises developed as an adjunct to Anthropology 1 (Introduction to Biological/Physical Anthropology) including the identification of fossils through examination of fossil casts, the study of human artifacts, observation of primate behavior and structure, and problem-solving in case studies of human genetics. 54 hours laboratory. **Prerequisite:** ANTH 1 may be taken concurrently. **Strongly Recommended:** Eligibility for ENGL 1A or, Eligibility for ENGL 1.

(REVISED CREDIT COURSE)

8 NATIVE AMERICAN CULTURES 3 UNITS

Survey of the Native American cultures of North America from an anthropological perspective, including cultural developments from prehistory to the present. Emphasis on the great variety of Native American perspectives and traditions, including kinship, religion, political, social and economic institutions, and attitudes towards humans, animals, and nature. Current issues including movements for social and political justice and cultural survival. 54 lecture hours. **Strongly Recommended:** Eligibility for ENGL 1A or, Eligibility for ENGL 1.

ARCHITECTURE (ARCH)

(REVISED CREDIT COURSE)

68 DIGITAL TOOLS FOR DESIGN AND VISUAL COMMUNICATION 4 UNITS

(See also ID 49)

Introduction to digital tools with computer-aided design drafting. Students will develop the ability to effectively use basic design principles in two dimensions. Topics include command basics including drawing entity creation and modification, industry layering standards, text and dimensioning systems appropriate to architecture, creating symbol libraries, external reference techniques, model and paper space commands, and plotting techniques. May not receive credit if ID 49 has been completed. 54 hours lecture, 54 hours laboratory.

ART (ART)

(REVISED DEGREE)

STUDIO ARTS

ASSOCIATE IN ARTS FOR TRANSFER (AA-T)

The Associate in Arts in Studio Arts for Transfer is designed for the student artist interested in transferring to a four year Studio Art program at a CSU campus. Courses are offered in painting, drawing, ceramics, sculpture, photography, art history and digital technology. The AA-T in Studio Arts provides an opportunity to develop the techniques, visual sensibility, and historical understanding necessary for working with various art media. Students will develop an understanding and explore the meanings and ideas generated by the things we make, and gain an enhanced awareness of the satisfaction inherent in the process of "the making," which are essential parts of the program. The degree provides a solid basis for continuing work in upper division and graduate school and art-related fields such as Ceramist, Commercial Artist, Designer, Exhibition Designer, Art Critic/Writer, Art Director, Art Historian, and teaching art. To earn an Associate in Arts for Transfer in Studio Arts, a student must: Complete 60 semester units that are transferable to the California State University, to include: The Intersegmental General Education Transfer Curriculum (IGETC for CSU) or the California State University General Education Breadth requirements, courses required for the major with grades of "C" or better, and earn a minimum cumulative grade point average of 2.0.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Gain functional competence with principles of visual organization, including the ability to work with visual elements in two and three dimensions; color theory and its applications; and drawing.
2. Present work that demonstrates perceptual acuity, conceptual understanding, and technical facility at a professional entry level in their chosen field(s).
3. Become familiar with the historical achievements, current major issues, processes, and directions of their field(s).

REQUIRED COURSES (12 UNITS) UNITS

ART 2A	Introduction to Drawing	3
ART 23	2-D Foundations	3
ART 24	3-D Foundations	3
ARTH 5	Art History - Renaissance to Modern-Day	3

List A (3 units):

ARTH 4	Art History-Ancient to Gothic	3
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List B: Studio courses (9 units)

ART 3A	Figure and Composition I or	3
ART 2B	Drawing and Composition	3
ART 12A	Beginning Oil Painting or	3
ART 13A	Acrylic Painting - Beginning I or	3
ART 7A	Introduction to Watercolor Painting	3
ART 16A	Introduction to Ceramics I	3
ART 17A	Beginning Sculpture 1	3
PHOT 50	Introduction to Photography	3
DIGM 4A	Digital Illustration	3
ART 25	Color Theory	3

Unit Calculations

Major Requirements	24
General Education	CSU GE 39
	IGETC 37

Electives: degree applicable as needed

Total 60 minimum degree applicable as needed

All of the following courses must be completed with a grade of "C" or higher: required major courses, IGETC, CSU GE Breadth Areas A2 and B4. A minimum cumulative GPA of 2.0 in all CSU transfer courses is required.

(CORRECTION)

FINE ART CERAMICS ASSOCIATE IN ARTS (AA)

The Ceramics program allows students to explore everything from cultural objects and traditions to functional ware and industrial applications. Students will explore combining influences from around the world with their own personal identity and symbolism. The principal component of the program is studio activity, and students explore studio work that demonstrates individual expression, critical thinking, and an awareness of historical and contemporary art making. Critical dialogue and rigorous expectations about craftsmanship and studio best practices support work toward an artistic vision.

CAREER OPPORTUNITIES IN FINE ART CERAMICS

The Associate of Fine Arts degree is offered for the student eventually seeking a Bachelor of Fine Arts degree, the position of a professional artist or designer, and for teaching studio art within a selected specialization. The A.F.A. degree program is demanding, requiring high quality performance in order to develop the professional competence and portfolio of talented students toward successful entrance into the professional art field. Job opportunities include: Curate an art gallery or mobile business. Develop an effective portfolio that leads to successful marketing and entrepreneurship. Set up, maintain, and manage a safe and effective studio. Job titles include: Ceramicist, Commercial Artist, Designer, Exhibition Designer, Art Critic/Writer, Art Director, Art Historian, and Art teaching.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Gain functional competence with principles of visual organization, including the ability to work with visual elements in two and three dimensions; color theory and its applications; and drawing;
2. Present work that demonstrates perceptual acuity, conceptual understanding, and technical facility at a professional entry level in ceramics;
3. Become familiar with the historical achievements, current major issues, processes, and directions of ceramics;
4. Be afforded opportunities to exhibit their work and to experience and participate in critiques and discussions of their work and the work of others.

REQUIRED COURSES (31.5 UNITS) UNITS

ART 2A	Introduction to Drawing	3
ART 23	2-D Foundations	3
ART 24	3-D Foundations	3
ARTH 4	Art History-Ancient to Gothic	3
ARTH 5	Art History - Renaissance to Modern-Day	3
ART 16A	Introduction to Ceramics I	3
ART 16B	Introduction to Ceramics II	3
ART 16C	Introduction to Ceramics III	3
ART 16D	Ceramics - Intermediate	3
ART 17A	Beginning Sculpture 1	3
ART 45	Artist Portfolio and Self-Promotion	1.5

ART ELECTIVES (CHOOSE ANY 6 UNITS)		UNITS
ART 2B	Drawing and Composition	3
ART 3A	Figure and Composition I	3
ART 7A	Introduction to Watercolor Painting	3
ART 12A	Beginning Oil Painting	3
ART 13A	Acrylic Painting - Beginning I	3
ART 13B	Acrylic Painting - Beginning II	3
ART 17B	Beginning Sculpture 2	3
ART 18A	Wood and Stone Sculpture I	3
ART 18B	Wood and Stone Sculpture II	3
ART 20	All Media Sculpture	3
DIGM 2	Introduction to Graphic Design	3
DIGM 4A	Digital Illustration	3
DIGM 6A	Photo Compositing	3
DIGM 10A	Introduction to Animation	3
DIGM 11	Video Editing	3
FILM 16	Digital Storytelling	3
PHOT 50	Introduction to Photography	3
PHOT 61	Digital Color Materials and Processes	3
PHOT 64A	Artificial Light Photography	3
PHOT 66	Photo Compositing	3
Total Units		60

(CORRECTION)

FINE ART PAINTING AND DRAWING ASSOCIATE IN ARTS (AA)

The Painting and Drawing program promotes painting as a fundamental form of visual and artistic expression. The principal component of the program is studio activity, and students explore studio work that demonstrates individual expression, critical thinking, and an awareness of art's historical and contemporary issues. Students also consider the roles of sight, insight, and perception in relation to processes of making from the foundation level onward. Critical dialogue and rigorous expectations about studio practice support work toward an artistic vision.

CAREER OPPORTUNITIES IN FINE ART PAINTING AND DRAWING

The Associate of Fine Arts degree is offered for the student eventually seeking a Bachelor of Fine Arts degree, the position of a professional artist or designer, and for teaching studio art within a selected specialization. The A.F.A. degree program is demanding, requiring high quality performance in order to develop the professional competence and portfolio of talented students toward successful entrance into the professional art field. Job opportunities include: Curate an art gallery or mobile business. Develop an effective portfolio that leads to successful marketing and entrepreneurship. Set up, maintain, and manage a safe and effective studio. Job titles include: Commercial Artist, Designer, Exhibition Designer, Art Critic/Writer, Art Director, Art Historian, and Art teaching.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Gain functional competence with principles of visual organization, including the ability to work with visual elements in two and three dimensions; color theory and its applications; and drawing.
2. Present work that demonstrates perceptual acuity, conceptual understanding, and technical facility at a professional entry level in painting and drawing;
3. Become familiar with the historical achievements, current major issues, processes, and directions of painting and drawing.
4. Be afforded opportunities to exhibit their work and to experience and participate in critiques and discussions of their work and the work of others

REQUIRED COURSES (31.5 UNITS)		UNITS
ART 2A	Introduction to Drawing	3
ART 23	2-D Foundations	3
ART 24	3-D Foundations	3
ARTH 4	Art History-Ancient to Gothic	3
ARTH 5	Art History - Renaissance to Modern	3
ART 3A	Figure and Composition I	3
ART 2B	Drawing and Composition	3
ART 25	Color Theory	3
ART 12A	Beginning Oil Painting	3
	or	
ART 13A	Acrylic Painting - Beginning I	3
	or	
ART 7A	Introduction to Watercolor Painting	3
ART 12B	Intermediate Oil Painting	3
	or	
ART 13B	Acrylic Painting - Beginning II	3
	or	
ART 7B	Intermediate Watercolor Painting	3
ART 45	Artist Portfolio and Self-Promotion	1.5

ART ELECTIVES (CHOOSE ANY 6 UNITS)		UNITS
PHOT 50	Introduction to Photography	3
PHOT 66	Photo Compositing	3
DIGM 6A	Photo Compositing	3
DIGM 2	Introduction to Graphic Design	3
DIGM 4A	Digital Illustration	3
DIGM 11	Video Editing	3
DIGM 10A	Introduction to Animation	3
PHOT 61	Digital Color Materials and Processes	3
ART 16A	Introduction to Ceramics I	3
ART 17A	Beginning Sculpture 1	3
ART 18A	Wood and Stone Sculpture I	3
ART 61	Illustration	3
ART 12C	Advanced Oil Painting I	3
ART 13B	Acrylic Painting - Beginning II	3
ART 7C	Advanced Watercolor Painting I	3
ART 17B	Beginning Sculpture 2	3
ART 18B	Wood and Stone Sculpture II	3
ART 20	All Media Sculpture	3
FILM 16	Digital Storytelling	3
PHOT 64A	Artificial Light Photography	3
ART 2C	Individual Projects in Academic Realism Drawing	3
Total Units		60

(CORRECTION)
FINE ART SCULPTURE
 ASSOCIATE IN ARTS (AA)

The Sculpture program provides a sequenced studio approach to three-dimensional creations in a variety of materials and techniques that prepare students for lifelong learning as a professional artist. Through working from observation and imagination as the backbone of the curriculum, students learn about medium, form, and content. The principal component of the program is studio activity, and students explore studio work that demonstrates individual expression, critical thinking, and an awareness of historical and contemporary art making. Critical dialogue and rigorous expectations about craftsmanship and studio best practices support work toward an artistic vision. The Associate of Fine Arts degree is offered for the student eventually seeking a Bachelor of Fine Arts degree, the position of a professional artist or designer, and for teaching studio art within a selected specialization. The A.F.A. degree program is demanding, requiring high quality performance in order to develop the professional competence of talented students toward successful entrance into the professional art field.

CAREER OPPORTUNITIES IN FINE ART SCULPTURE

Curate an art gallery or mobile business. Develop an effective portfolio that leads to successful marketing and entrepreneurship. Set up, maintain, and manage a safe and effective studio. Job titles include: Commercial Artist, Designer, Exhibition Designer, Art Critic/Writer, Art Director, Art Historian, and Art teaching.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Gain functional competence with principles of visual organization, including the ability to work with visual elements in two and three dimensions; color theory and its applications; and drawing;
2. Present work that demonstrates perceptual acuity, conceptual understanding, and technical facility at a professional entry level in sculpture;
3. Become familiar with the historical achievements, current major issues, processes, and directions of sculpture;
4. Be afforded opportunities to exhibit their work and to experience and participate in critiques and discussions of their work and the work of others.

REQUIRED COURSES (31.5 UNITS)		UNITS
ART 2A	Introduction to Drawing	3
ART 23	2-D Foundations	3
ART 24	3-D Foundations	3
ARTH 4	Art History-Ancient to Gothic	3
ARTH 5	Art History - Renaissance to Modern-Day	3
ART 17A	Beginning Sculpture 1	3
ART 17B	Beginning Sculpture 2	3
ART 20	All Media Sculpture	3
ART 22	Metal Sculpture - Lost Wax Bronze Casting	3
ART 16A	Introduction to Ceramics I	3
ART 45	Artist Portfolio and Self-Promotion	1.5

ART ELECTIVES (CHOOSE ANY 6 UNITS)		
ART 2B	Drawing and Composition	3
ART 3A	Figure and Composition I	3
ART 7A	Introduction to Watercolor Painting	3
PHOT 50	Introduction to Photography	3
ART 12A	Beginning Oil Painting	3
ART 13A	Acrylic Painting - Beginning I	3
ART 13B	Acrylic Painting - Beginning II	3
ART 16A	Introduction to Ceramics I	3
ART 18A	Wood and Stone Sculpture I	3
ART 18B	Wood and Stone Sculpture II	3
ART 61	Illustration	3
DIGM 2	Introduction to Graphic Design	3
DIGM 4A	Digital Illustration	3
DIGM 6A	Photo Compositing	3
DIGM 10A	Introduction to Animation	3
DIGM 11	Video Editing	3
FILM 16	Digital Storytelling	3
PHOT 61	Digital Color Materials and Processes	3
PHOT 64A	Artificial Light Photography	3
PHOT 66	Photo Compositing	3
Total Units		60

COURSES

(REVISED CREDIT COURSE)
16A INTRODUCTION TO CERAMICS I 3 UNITS
 Instruction in the fundamental techniques of wheel-thrown and hand-constructed clay forms. Survey of clay and glaze materials and reaction to fire will be included. Methods of decorating using glazes will be introduced. Influence of Eastern and Western contemporary and historical works and the students' creations. Formulate personal creative process, including inspiration, experimentation, and evaluation. Designed for art majors as well as non-majors. 36 hours lecture. 72 hours laboratory.

(REVISED CREDIT COURSE)
16B INTRODUCTION TO CERAMICS II 3 UNITS
 Further development of the technical skills of wheel thrown and hand constructed clay forms. Exploration of surface decoration, using various glazing techniques and methods of slip decoration is continued. Designed for art majors as well as non-majors. 36 hours lecture. 72 hours laboratory. **Prerequisite:** ART 16A (completed with a grade of "C" or higher).

(REVISED CREDIT COURSE)
16C INTRODUCTION TO CERAMICS III 3 UNITS
 Introduction of intermediate technical skills of throwing forms on the wheel with emphasis on the creative expression of the form. Kiln loading and firing procedure and process introduction. Continued development of various hand construction techniques of clay forms. Mix one large studio batch of glaze. 36 hours lecture. 72 hours laboratory. **Prerequisite:** ART 16B (completed with a grade of "C" or higher).

(REVISED CREDIT COURSE)

16D CERAMICS - INTERMEDIATE 3 UNITS

Intermediate technical skills of wheel-thrown and hand-constructed clay forms, exploring more advanced concepts, and processes including basic design principles, creative development, hand-building, throwing, glaze techniques, firing and ceramic terminology. The course covers aesthetics and creative development of clay objects examining historical, contemporary, and personal modes of expression across cultures. 36 hours lecture. 72 hours laboratory. **Prerequisite:** ART 16C (completed with a grade of "C" or higher).

ART HISTORY (ARTH)

(NEW DEGREE)

ART HISTORY

ASSOCIATE IN ARTS FOR TRANSFER (AA-T)

Art History involves the analysis of form, historical context, and meaning in visual images made across the globe from prehistory to today. Because humans make art to communicate the breadth and depth of human experience, art historical inquiry can lead to a consideration of varied subjects, including cultural, ethnic, social, religious, economic, and political topics, in addition to artistic and aesthetic ones. The Art History AA-T degree is particularly well-suited to students considering themselves visual learners, as well as those seeking to enrich their cultural backgrounds, solidify their knowledge of history, develop analytical and writing skills, sharpen critical sensibilities, and prepare for opportunities in museums, galleries, historical societies, and more. Students wishing to pursue the Associate in Arts for Transfer in Art History must complete 60 semester units eligible for transfer to the California State University, including either: The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education Breadth Requirements, and a minimum of 18 units of major coursework in the major, as detailed below. Students must maintain a minimum 2.0 GPA, including grades of C or higher in each course taken to fulfill the major.

CAREER OPPORTUNITIES IN ART HISTORY

Students in the Art History program will acquire a broad body of knowledge and a set of valuable skills that can lead towards many diverse pathways of study and careers in the 21st century, with an emphasis on those pathways that mirror the National Endowment for the Arts employment projections for art history-trained workers. These projections propose a 26 percent increase in demand for "general museum technicians," with skill sets specifically provided by Art History and Museum Studies, which enable workers to "present and preserve important objects and documents, including works of art, transcripts of meetings, photographs, coins and stamps, and historic objects at institutions such as museums, governments, colleges or universities, and historic sites."

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

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.

Required Core (9 units)

	Units
ARTH 4 Art History-Ancient to Gothic	3
ARTH 5 Art History - Renaissance to Modern-Day	3
ART 2A Introduction to Drawing	3

List A (select one)

ARTH 7 Multicultural History of American Art	3
ARTH 8 Non-Western Art	3

List B (select one)

ART 3A Figure and Composition I	3
ARTH 6 Art History - Twentieth- and Twenty-First Century Art	3
ART 23 2-D Foundations	3
ART 24 3-D Foundations	3

List C (select one)

ARTH 3 Film History and Appreciation	3
ARTH 20 History of Photography	3
PHOT 20 History of Photography	3

Unit Calculation

Major Requirements	18
General Education	CSU GE 39 IGETC 37

Electives: degree applicable as needed

Total Units 60

NOTE: Grades of "C" or higher is required for major courses, IGETC courses, and CSU GE Areas A2 and B4.

(REVISED CREDIT COURSE)

1 INTRODUCTION TO ART 3 UNITS

Why does art matter? Art matters because human beings make—have always made and always will make—images to communicate the great breadth of human experience. And why does the history of art matter? Because without it, the meaning of our forebears' images—their messages, teachings, gifts—will be lost to us. In this introduction to art, our class will travel through time and across the globe to learn how we humans use painting, sculpture, architecture, photography and other forms to respond to our circumstances, to solve our problems, to demonstrate our values, and to make beauty from the materials we find around us. (Formerly ART 1; may not receive credit if ART 1 has been completed.) 54 hours lecture.

(REVISED CREDIT COURSE)

4 ART HISTORY-ANCIENT TO GOTHIC 3 UNITS

History of Western art and architecture from prehistoric times through Egyptian, Mesopotamian, Aegean, Greek, Etruscan, Roman, Early Christian, Byzantine, Medieval, Romanesque and Gothic civilizations. (Formerly ART 4; may not receive credit if ART 4 has been completed.) 54 hours lecture.

(REVISED CREDIT COURSE)

7 MULTICULTURAL HISTORY OF AMERICAN ART 3 UNITS

A multicultural survey of American art from 1800 to the present. Special emphasis on art objects created by Native American, Asian American, African American, and Hispanic/Latino artists and artisans. Considers how art objects express the maker's identity within the specific historical, social, and political circumstances of his or her life. Addresses how male and female artists and artisans from these groups have used various art forms to assert their gender and ethnic identity in response to historical change. 54 hours lecture.

AUTOMOTIVE TECHNOLOGY (ATEC)

(NEW CERTIFICATE)

TECHNOLOGY-BASED AUTOMOTIVE SYSTEMS
CERTIFICATE OF ACHIEVEMENT

The Technology-Based Automotive Systems Certificate of Achievement will provide learning opportunities on systems such as Advanced Drivers Assistance Systems (ADAS), Autonomous Vehicles, New Technologies, Computer Programming, Software Fundamentals, and Connected Vehicles.

CAREER OPPORTUNITIES IN TECHNOLOGY-BASED AUTOMOTIVE SYSTEMS

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. For current wage and demand information, please visit the California Employment Development Department <https://edd.ca.gov/> search for "Automotive Service Technicians and Mechanics."

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Demonstrate the expertise needed to perform technician functions as they relate to Advanced Drivers Assistance Systems (ADAS)
2. Demonstrate the expertise needed to perform technician functions as they relate to New Vehicle Technologies.
3. Prepared to obtain employment in the automotive industry.

Required Core

ATEC 6A	Automotive Electrical and Electronic Fundamentals	4
ATEC 6B	Automotive Electrical and Electronic Systems	3
ATEC 90	Hybrid Vehicle Operation and Servicing	2
ATEC 91	Hybrid Diagnosis and Alternate Fuels Technology	2
ATEC 92	Advanced Drivers Assistance Systems	3
ATEC 93	New Vehicle Technologies	3

Total Units 17

(NEW CREDIT COURSE)

92 ADVANCED DRIVERS ASSISTANCE SYSTEMS 3 UNITS

This course introduces students to the Advanced Drivers Assistance Systems (ADAS) utilized in vehicles. This technology is also the foundation for autonomous vehicles. This course will cover the various Advanced Drivers Assistance Systems (ADAS), exploring system operation, diagnosis, service, repairs, and calibration. 27 hours lecture. 81 hours laboratory. **Prerequisite:** ATEC 4 (completed with a grade of "C" or higher). or equivalent and ATEC 6A (completed with a grade of "C" or higher). or equivalent and ATEC 6B (completed with a grade of "C" or higher). or equivalent.

(NEW CREDIT COURSE)

93 NEW VEHICLE TECHNOLOGIES 3 UNITS

This course will introduce students to new vehicle technologies; including enhanced vehicle connectivity, vehicle electronics, and programming. The course will cover the operation, application, and practical experiences with these systems, and vehicle diagnostics, including electrical and mechanical. 27 hours lecture. 81 hours laboratory. **Prerequisite:** ATEC 92 (completed with a grade of "C" or higher).

BIOLOGY (BIOL)

80 INTRODUCTION TO PUBLIC HEALTH 3 UNITS

(See also HLTH 80)

This course provides an introduction to the discipline of Public Health. Students will gain an understanding of the basic concepts and terminologies of public health, will learn the history and accomplishments of public health officials and agencies, and will do in-depth examination of core public health disciplines. Topics include the epidemiology of infectious and chronic disease; prevention and control of diseases in the community including the analysis of the social determinants of health and strategies for eliminating disease, illness and health disparities among various populations; community organizing and health promotion programming; environmental health and safety; global health; and healthcare policy and management. May not receive credit if HLTH 80 has been completed successfully. 54 hours lecture.

BUSINESS (BUS)

(CORRECTION)

BUSINESS ADMINISTRATION

ASSOCIATE IN SCIENCE FOR TRANSFER (AS-T)

This curriculum provides an opportunity to achieve an Associate in Science Degree in Business Administration for Transfer to the California State University System (CSU) while completing the first and second year requirements for transfer to a four-year institution. A baccalaureate degree is recommended preparation for those considering professional careers in business. Completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for upper-division work. This program is designed specifically for the CSU system. Lower Division requirements for the University of California system and private four-year colleges vary by transfer school. Please see a counselor for transfer requirements for other institutions. Students who intend to transfer must meet all current transfer requirements including minimum GPA. The AS-T in Business requires the following: Complete 60 semester units or 90 quarter units of CSU degree-applicable courses, earn a minimum overall grade point average of 2.0 in those CSU degree-applicable courses, earn a minimum grade of "C" (or "P") for each course in the major, and complete either the IGETC or CSU GE-Breadth course pattern. Students are strongly advised to meet with a counselor to discuss transfer requirements and lower division major preparation that are needed for their intended transfer school. In addition to transferring, this degree may enhance a student's earnings potential by improving their chances to get a job.

CAREER OPPORTUNITIES IN BUSINESS ADMINISTRATION

In addition to transfer, this program prepares students for new employment and promotions in the fields of accounting, management, marketing, finance, or other areas of business administration.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

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.

Required Core (18 units)

	Units
BUS 1A * Financial Accounting	4
BUS 10 Business Law	4
ECN 1 Principles of Microeconomics	3
BUS 1B Managerial Accounting	4
ECN 2 Principles of Macroeconomics	3

List A (Choose one class)

MTH 1 Calculus I	5
or	
MTH 15 Applied Calculus I	3
MTH 33 Finite Mathematics	4
BUS 19 Business Statistics	4
or	
MTH 43 Introduction to Probability and Statistics	4
or	
PSY 5 Introductory Statistics for the Behavioral and Social Sciences	4

List B (Choose two classes)

Any course from List A not used above	
BUS 12 Introduction to Business	3
CAS 50 Introduction to Computer Application Systems	3
or	
CSCI 8 Computer Literacy	3

Unit Calculation

Major Requirements	27-29
General Education	CSU GE 39
	IGETC 37

Electives: degree applicable as needed

Total Units	60
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*Business 7 (Accounting for Small Business) is strongly recommended before taking Business 1A.

(REVISED DEGREE)
ACCOUNTING
 ASSOCIATE IN SCIENCE (AS)

The A.S. degree in Accounting is the highest level of the accounting program at Chabot. The degree requires the most time and intellectual commitment. A student should obtain the degree after completing the certificate in Accounting Technician. The degree prepares students for entry-level positions within accounts receivable and accounts payable departments, payroll units, income tax firms, and financial services organizations. Graduates of the program will be able to identify, analyze, summarize, communicate, record, and interpret business transactions and financial statements. Students will learn commercial accounting software and spreadsheets and will apply the skills via intensive accounting applications. Students will study professional and ethical behavioral case studies for business, as well as attain oral and written communication skills that are necessary for success. Technical courses in accounting, taxes, and payroll with commercial software will allow graduates to seek advanced placement in accounting or information systems departments. With this accounting degree, jobs are available in just about every corporate business and non-profit organization.

CAREER OPPORTUNITIES IN ACCOUNTING

While many accounting careers require at least a bachelor's degree in accounting, an associate's degree in accounting opens the door to some entry-level accounting careers. After you complete your associate's degree in accounting, you will be qualified to work in a number of accounting careers. These include general bookkeeping or being a clerk of accounts payable or accounts receivable. After gaining some experience in an accounting career, you will generally find more career options. However, accounting career options for a graduate of an associate's degree program are not as numerous as accounting career options for a graduate of a bachelor's or master's degree program. If you want to finish your degree quickly and start working, an associate's degree in accounting can be a good way to begin an accounting career. In some cases, you can use the credits you earn for your associate's degree in accounting to transfer to a four-year school and earn a bachelor's degree in accounting, opening up more accounting career options. One advantage of pursuing an associate's degree in accounting first is to see how good a fit the field is for you. Another advantage is that you can start working in only two years, as opposed to waiting four or five years to complete a higher degree program.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

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. Apply critical thinking and analytical skills in decision making and problem solving
4. Create effective oral and written business communications using modern communication technologies

REQUIRED CORE COURSES:		UNITS
BUS 1A*	Financial Accounting	4
BUS 1B	Managerial Accounting	4
BUS 3A	Taxation of Individuals	3
BUS 6	Accounting Ethics	3
BUS 10	Business Law	4
BUS 12	Introduction to Business	3
BUS 92	Excel Spreadsheets for Accounting	2
BUS 93	QuickBooks	2

LIST A: SELECT 3 COURSES		UNITS
BUS 2A	Intermediate Accounting I	4
BUS 2B	Intermediate Accounting II	4
BUS 3B	Taxation of Business Entities	3
BUS 4	Cost Accounting	3
BUS 5	Auditing	3
BUS 8	Payroll Accounting	3
BUS 11	Governmental and Nonprofit Accounting	3

GENERAL EDUCATION UNITS FOR THE A.S. DEGREE

For specific A.S. General Education courses refer to the catalog on A.S. Graduation Requirements.

REQUIRED MAJOR SPECIFIC G.E. COURSE:

BUS 14: Business Communications (3 units)

Unit Calculations Units

Major Requirements	34 - 36
General Education	19
Elective (Degree applicable units if needed)	

Total Units **60**

*Business 7 (Accounting for Small Business) is strongly recommended before taking Business 1A.

(REVISED CERTIFICATE)
ACCOUNTING TECHNICIAN
 CERTIFICATE OF ACHIEVEMENT (COA)

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. Students learn the theory and practice of the Generally Accepted Accounting Principles (GAAP), preparation of payroll documents, individual and business tax forms, basics of written and oral business communication, and accounting and payroll software. With the certificate in Accounting Technician, jobs are available in just about every corporate business and non-profit organization. This certificate is aligned with the AS degree in Accounting and should be the 1st step in a student's pathway towards obtaining the AS in Accounting.

CAREER OPPORTUNITIES IN ACCOUNTING TECHNICIAN

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.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

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

CORE COURSES	UNITS
BUS 1A* Financial Accounting	4
BUS 1B Managerial Accounting	4
BUS 3A Taxation of Individuals	3
BUS 3B Taxation of Business Entities	3
BUS 8 Payroll Accounting	3
BUS 12 Introduction to Business	3
BUS 14 Business Communications	3
BUS 92 Excel Spreadsheets for Accounting	2
BUS 93 QuickBooks	2

*Business 7 (Accounting for Small Business) is strongly recommended before taking Business 1A.

Total Units **27**

(NEW CERTIFICATE)

TAX PREPARER CERTIFICATE OF ACHIEVEMENT (COA)

The Taxation Preparer certificate provides students with the specific knowledge that is essential for beginning a new career as a tax preparer. The completion of the Taxation Preparer certificate will give students the knowledge to complete and file Individual Tax Returns and Business Tax returns as a solo practice or under an established firm. The certificate also provides students with the basic accounting knowledge that will support their career or tax business in order to understand the basic financial statements of a small business. After completion of the tax preparer certificate, students will be equipped to allow them to work as a tax preparer or achieve entrepreneurial aspirations of starting a tax and accounting practice.

CAREER OPPORTUNITIES IN TAX PREPARER

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 median hourly wage of \$30.56.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Understand the relevant concepts and applications of accounting and taxation needed to succeed in future accounting/taxation classes and in the workplace.
2. Demonstrate knowledge of ethical standards established by relevant professional organizations
3. Apply critical thinking and analytical skills in decision making and problem solving.

Core Courses	Units
BUS 3A Taxation of Individuals	3
BUS 3B Taxation of Business Entities	3
BUS 6 Accounting Ethics	3
BUS 7 Accounting for Small Business	3
BUS 8 Payroll Accounting	3
BUS 92 Excel Spreadsheets for Accounting	2
BUS 93 QuickBooks	2
Total Units	19

(NEW CERTIFICATE)

ENROLLED AGENT (EA) EXAM PREPARATION CERTIFICATE OF PROFICIENCY

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.

CAREER OPPORTUNITIES IN ENROLLED AGENT EXAM PREPARATION

This certificate prepares students to start their own tax preparation business or to work as specialized tax preparers in CPA and EA firms.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Understand the relevant concepts and applications of accounting and taxation needed to succeed in future accounting/taxation classes and in the workplace.
2. Apply critical thinking and analytical skills in decision making and problem solving.

CORE COURSES	UNITS
BUS 7 Accounting for Small Business or	3
BUS 1A Financial Accounting	4
BUS 3A Taxation of Individuals	3
BUS 3B Taxation of Business Entities	3
BUS 3C Taxation of Trusts, Gifts, and Estates	2
BUS 3D Enrolled Agent Exam Preparation	3
Total Units	14 - 15

(REVISED DEGREE)
PROJECT MANAGEMENT
 CERTIFICATE OF PROFICIENCY

The Project Management program prepares students to find employment as project 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.

CAREER OPPORTUNITIES IN PROJECT MANAGEMENT

For any business to be successful, project management is essential; it is the core of nearly all daily operations. A project manager is responsible for grouping skilled workers into teams, constructing and instituting team plans, and facilitating the execution of all projects. This is all done to achieve the company's goals. Specific duties and roles for each project manager depend, to a large extent, on the company the manager works for and the industry in which the company operates. Industries that use project management: business, finance, banking and accounting firms, technology and pharmaceutical companies, event management, local, state and federal government, healthcare, and education to name a few. This career allows students to be flexible in using their skills in an ever changing marketplace.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Prepare for certification by the Project Management Institute.
2. Develop transferable skills in managing large and small businesses in a variety of industries both nationally and internationally.
3. Develop competency in Project Management.

CORE COURSES	UNITS
BUS 88 Introduction to Project Management	3
BUS 89 Project Planning, Scheduling and Control	3
BUS 84 Advanced Project Processes	3
BUS 98 Agile Project Management	3
BUS 97 Project Management Certification Exam Preparation	3
Total Units	15

COURSES
(NEW CREDIT COURSE) 3C TAXATION OF TRUSTS, GIFTS, AND ESTATES 2 UNITS Preparation of Federal and California income tax returns for trusts, estates, and gifts using tax software and manually. Topics include income tax law, theory, and practice, and preparation of Forms 1041 (Fiduciary), 706 (Estate) and 709 (Gift) and the related California tax forms. This course is part of the Enrolled Agent Exam Preparation Series. A student does NOT need to complete BUS-3B to enroll in this class. 36 hours lecture. Strongly Recommended: BUS 3A

(NEW CREDIT COURSE) 3D ENROLLED AGENT EXAM PREPARATION 3 UNITS Preparation for the IRS Enrolled Agent exam, known as the SEE (Special Enrollment Exam). Topics include taxation of individuals, inheritance, gifts, estates; taxation of small businesses, partnerships, farmers, C corporations, S corporations; taxation of not-for-profit entities, foreign corporations, and retirement plans. Other topics include fiduciary tax returns, determination of tax-exempt status, practice before the IRS and tax preparer rules. Course content will be adjusted to reflect changes in the SEE. 54 hours lecture. Strongly Recommended: BUS 3A, BUS 3B, BUS 3C
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(REVISED CREDIT COURSE) 6 ACCOUNTING ETHICS 3 UNITS A comprehensive study of ethical issues that accountants must address in the various sectors of accounting. Topics include general principles of ethics applied to accounting, personal responsibilities, the AICPA Code of Professional Conduct, tax/audit/accounting issues, confidentiality, independence, conflicts of interest, discreditable acts, whistleblower duties, and the Sarbanes-Oxley Act. 54 hours lecture. Strongly Recommended: BUS 1A or, BUS 7

(REVISED CREDIT COURSE) 11 GOVERNMENTAL AND NONPROFIT ACCOUNTING 3 UNITS A study of accounting, budgeting, auditing, fiscal procedures and financial records of governmental agencies such as state, county and municipal governments, as well as universities and colleges, hospitals, and certain nonprofit organizations. 54 hours lecture. Prerequisite: BUS 1A (completed with a grade of "C" or higher). or, BUS 7 (completed with a grade of "C" or higher).

(REVISED CREDIT COURSE) 50L CAREERS IN BUSINESS 1 UNIT Exploration of the wide variety of potential careers in business, and the educational preparation appropriate for those careers. Includes careers in accounting and finance, sales and marketing, real estate and insurance, human resource management, and management and supervision. 18 hours lecture.

(NEW COURSE)

84 ADVANCED PROJECT PROCESSES 3 UNITS

This course provides an overview of MS Project and other tools used by project managers. Conducted in a PC Lab environment, students will get an opportunity to work with the tool while receiving support from an experienced and knowledgeable instructor/coach. Students will have an opportunity to analyze a project, develop a project schedule, enter information into MS Project, then use this tool manage resource allocations, complete networking and task assignments, as well as a budget and earned value reporting. MS Project also offers a depth of reporting functionality, and students will learn how to create and modify reports for their project decision making and communication needs. 54 hours lecture. **Strongly Recommended:** BUS 88

(REVISED CREDIT COURSE)

92 EXCEL SPREADSHEETS FOR ACCOUNTING 2 UNITS

Fundamentals of using electronic spreadsheets (Microsoft Excel) for accounting principles. Focus on solving accounting problems and completing accounting projects with Microsoft Excel. 27 hours lecture. 27 hours laboratory. **Prerequisite:** BUS 1A or equivalent or BUS 7 or equivalent. **Strongly Recommended:** CAS 54

(REVISED CREDIT COURSE)

93 QUICKBOOKS 2 UNITS

QuickBooks introduces the concepts of bookkeeping/accounting using the theory of double-entry bookkeeping. Learn to use the QuickBooks software for a set up, service business and merchandising business. Setting up chart of accounts, accounts receivable, accounts payable, inventory, payroll and preparation and analysis of financial statements. 27 hours lecture. 27 hours laboratory.

(NEW COURSE)

98 AGILE PROJECT MANAGEMENT 3 UNITS

Introduce agile methodology to Project Managers. The course highlights the unique tools, techniques, knowledge and skills that an agile project requires. Agile project practitioners will utilize specific management techniques throughout the project development life cycle. Knowledge of this process is now required for certification exam by the Project Management Institute. 54 hours lecture. **Strongly Recommended:** BUS 88 (completed with a grade of "C" or higher). and/or familiarity with the Project Management Book of Knowledge.

COMMUNICATION STUDIES (COMM)

(CORRECTION)

COMMUNICATION STUDIES

ASSOCIATE IN ARTS FOR TRANSFER (AA-T)

Communication Studies explores the complexity of human interaction. A degree in Communication Studies is a valuable asset for people in every industry. The National Association of Colleges and Employers, in a 2010 survey, ranked the top five desired candidate skills/qualities: (1) communication skills; (2) analytical skills; (3) teamwork skills; (4) technical skills; and (5) strong work ethic. Because Communication Studies combines theoretical understanding with practical skills development, either of our Associate in Arts degrees can serve as a strong foundation for any upper division coursework or graduate training program. From critical listening and thinking skills to intercultural communication competency; from performing business presentations to oral interpretation of literature; from understanding group dynamics to developing persuasive strategies, Communication Studies offers courses with contextual learning experiences for greater success in work, relationships, and society. Our graduates go on to careers in human resources, public relations, advertising, journalism, law, hospitality and customer service, corporate training and politics. Many continue their education at the graduate and doctoral levels. Successful completion of the transfer degree in Communication Studies guarantees the student acceptance to a local California State University in a major deemed similar by CSU to pursue a baccalaureate degree with junior status. The AA-T in Communication Studies requires the following: Complete 60 semester units or 90 quarter units of CSU degree-applicable courses, earn a minimum overall grade point average of 2.0 in those CSU degree-applicable courses, earn a minimum grade of "C" (or "P") for each course in the major, and complete either the IGETC or CSU GE-Breadth course pattern.

PROGRAM LEARNING OUTCOMES

1. Pursue and evaluate knowledge through the skills of inquiry, research and critical thinking.
2. Demonstrate effective skills in written and spoken communication.

REQUIRED COURSES (3 UNITS) UNITS

COMM 1 Fundamentals of Speech Communication 3

List A (choose two-6 units)

COMM 3 Group Communication 3

COMM 10 Interpersonal Communication 3

COMM 46 Argumentation and Debate 3

List B (choose 2-6 units)

Any List A course not used above 3

COMM 50 Introduction to Communication Studies 3

COMM 11 Intercultural Communication 3

COMM 20 Persuasion and Communication 3

COMM 48 Activities in Forensics 1 - 4

List C (choose one-3 units)

Any List A or B course not used above

COMM 6	Introduction to Performance Studies	3
COMM 12	Gender, Sexual Identity, and Communication	3
ANTH 3	Social and Cultural Anthropology	3
MCOM 41	Introduction to Mass Communications	3
PSY 1	General Psychology	3
SOCI 1	Principles of Sociology	3
ENGL 4	Critical Thinking and Writing about Literature	3
ENGL 7	Critical Thinking and Writing Across Disciplines	3

Unit Calculations

Major Requirements	18
General Education	CSU GE 39 IGETC 37

Electives: degree applicable as needed

Total 60 minimum degree applicable as needed

NOTE: Grades of "C" or higher is required for major courses, IGETC courses, and CSU GE Areas A2 and B4.

COURSES

(REVISED CREDIT COURSE)

1 FUNDAMENTALS OF SPEECH COMMUNICATION 3 UNITS

Emphasis on developing, organizing, researching, and delivering informative, persuasive, or entertaining ideas to an audience. This course also includes developing critical listening, audience analysis, and problem-solving skills for public speech making. Communication theory and best practices for communication to a public are analyzed. 54 hours lecture. **Strongly Recommended:** ENGL 1

(REVISED CREDIT COURSE)

2 ORAL INTERPRETATION OF LITERATURE 3 UNITS

This introductory course is designed to improve your confidence, your critical analysis of texts, and improve your performance of these texts, by stressing both your breakdown of the material and development of vocal skills. Texts may include prose (fiction/non-fiction), poetry, and drama. 54 hours lecture.

(REVISED CREDIT COURSE)

3 GROUP COMMUNICATION 3 UNITS

Communication in small group situations. Role of communication in various group processes, including norms, roles, leadership and decision-making, with application to modern concepts of organizational communication. Includes participation in simulation exercises and group activities. 54 hours lecture.

(REVISED CREDIT COURSE)

50 INTRODUCTION TO COMMUNICATION STUDIES 3 UNITS

A survey of the discipline of Communication Studies with emphasis on multiple epistemological, theoretical, and methodological issues relevant to the systematic inquiry of human interaction. The course explores communication theories from the humanistic, social scientific and critical traditions. 54 hours lecture. **Strongly Recommended:** Eligibility for English 1

COMPUTER SCIENCE (CSCI)

(REVISED CREDIT COURSE)

21 COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE PROGRAMMING 4 UNITS

Basics of machine architecture, machine language, assembly language, operating system and higher level language interface. Data representation, instruction representation and execution, addressing techniques and use of macros. Space and time efficiency issues. Input/output including number conversion and use of system interrupts. Interrupt processing and interrupt handlers. Procedures including parameter passing and linkage to higher level languages. 54 hours lecture. 54 hours laboratory. **Prerequisite:** CSCI 14 (completed with a grade of "C" or higher).

(REVISED CREDIT COURSE)

41 INTRODUCTION TO UNIX 2 UNITS

UNIX operating system capabilities, introduction to Perl, elementary batch programming and compilation of C. Components of a UNIX system, common commands, directory and file management, UNIX editors, shells, electronic mail and user communication, the C language development environment, Internet resources. 27 hours lecture. 27 hours laboratory.

(REVISED CREDIT COURSE)

42 UNIX TOOLS, SHELL PROGRAMMING AND SYSTEM ADMINISTRATION CONCEPTS 2 UNITS

Further experience with UNIX tools. Enhanced shells. Emphasis on Linux variant of UNIX. Basic networking concepts. Writing and testing shell scripts. Processes and scheduling. Security issues. Basis System administration. 27 hours lecture. 27 hours laboratory. **Prerequisite:** CSCI 41 (completed with a grade of "C" or higher).

COMPUTER APPLICATION SYSTEMS (CAS)

(REVISED DEGREE)

ADMINISTRATIVE ASSISTANT ASSOCIATE IN SCIENCE

The AS degree, Administrative Assistant covers a wide knowledge base needed for the workplace environment in diverse organizational settings. The program emphasizes technology, proofreading and editing, document formatting, electronic filing, accounting, business communication, and general business skills. Students will develop administrative skills necessary to be a part of the management team.

CAREER OPPORTUNITIES IN ADMINISTRATIVE ASSISTANT

The AS degree, Administrative Assistant 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.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Become proficient in computer applications and use them to solve common business problems.
2. Apply critical thinking and analytical skills in decision-making and problem solving.
3. Create effective oral and written business communications, including quantitative report, using modern communication technologies.

Core Courses	Units
BUS 7 Accounting for Small Business	3
CAS 50 Introduction to Computer Application Systems	3
CAS 54 Microsoft Excel	3
CAS 71 Keyboarding & 10 Key	3
CAS 88 Microsoft Word	3

List A: Select three of the following courses (9 units)

BUS 12 Introduction to Business	3
BUS 16 Business Mathematics	3
BUS 21 Human Resource Management	3
BUS 22 Introduction to Management	3
BUS 28 Human Relations in the Workplace	3
BUS 36 Introduction to Marketing	3

List B: Select three of the following courses (3 Units)

BUS 50A Skills for Supervisors	1
BUS 50C Interviewing for Success	1
BUS 50D Resumes and Job Application Letters	1
BUS 50J Time Management Skills	1
BUS 50K Listening Skills	1
BUS 50M Workplace Diversity	1
BUS 50N Dealing with Difficult People	1
BUS 50P Quality Customer Service	1

Program-Based General Education Requirement:

BUS 14 Business Communications	3
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General Education Requirements for Associates in Science Degree.

For specific A.S. General Education courses refer to catalog section on A.S. Graduation Requirements.

Unit Calculations	Units
Major Requirements	27
General Education Requirements	19
Electives (Degree applicable units as needed)	

Total Units **60**

(CORRECTION)

ADMINISTRATIVE ASSISTANT CERTIFICATE OF ACHIEVEMENT

The Administrative Assistant Certificate of Achievement program covers a wide knowledge base needed for the workplace environment in diverse organizational settings. The program emphasizes technology, proofreading and editing, document formatting, electronic filing, accounting, business communication, and general business skills. Students will develop administrative skills necessary to be a part of the management team.

CAREER OPPORTUNITIES IN ADMINISTRATIVE ASSISTANT

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.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Become proficient in computer applications and use them to solve common business problems.
2. Apply critical thinking and analytical skills in decision making and problem solving.
3. Create effective oral and written business communications, including quantitative report, using modern communication technologies.

REQUIRED COURSES (3 UNITS)	UNITS
BUS 7 Accounting for Small Business	3
BUS 14 Business Communications	3
CAS 50 Introduction to Computer Application Systems	3
CAS 54 Microsoft Excel	3
CAS 71 Keyboarding & 10 Key	3
CAS 88 Microsoft Word	3

Choose one course from the following list (3 units):

BUS 12 Introduction to Business	3
BUS 22 Introduction to Management	3
BUS 28 Human Relations in the Workplace	3

Total Units **21**

COURSES

(REVISED CREDIT COURSE)

85 CLOUD INFRASTRUCTURE AND SERVICES 3 UNITS

This course covers the objectives of the CompTIA Cloud+ and AWS Certified Cloud Practitioner certification exams. Topics included are cloud deployment and service models, cloud infrastructure, and the key considerations in migrating to cloud computing, including compute, storage, networking, desktop and application virtualization. Additional areas of focus are backup/recovery, business continuity, security, and management. 36 hours lecture. 54 hours laboratory. **Strongly Recommended:** CAS 83 or, CAS 92A

DENTAL HYGIENE (DHYG)

(UPDATED CATALOG DESCRIPTION)

50C DENTAL HYGIENE ORIENTATION III 0.5 UNIT

Orientation for second year dental hygiene students. This course will prepare students for the National Board Dental Hygiene Exam through computerized testing with case based and didactic questions. This course will also review clinical requirements for graduation, patient scheduling, mock boards and the regional clinical board exam. 9 hours lecture. **Prerequisite:** DHYG 81A

(REVISED CREDIT COURSE)

72S ADVANCED PERIODONTAL PROCEDURE 0.5 UNIT

Lecture experiences in advanced instrumentation techniques; workshops on recognizing patients' medical needs and their relationship to dental treatment. 9 hours lecture. **Prerequisite:** DHYG 71B (completed with a grade of "C" or higher).

(UPDATED CATALOG DESCRIPTION)

80A PATIENT MANAGEMENT 1 UNIT

The focus of this course are patient care competencies in providing dental hygiene care for the child, adolescent, adult and geriatric patient. Students will assess the treatment needs of patients and modify procedures as needed in order to provide effective dental hygiene treatment. 18 hours lecture. **Prerequisite:** DHYG 71B. **Corequisite:** DHYG 56A and, DHYG 81A

(UPDATED CATALOG DESCRIPTION)

80B ADVANCED CLINICAL TOPICS 1 UNIT

Advanced clinical topics with discussion in patient management, ergonomics, clinical boards, licensure, employment, lasers in dentistry and insurance CDT codes. This course includes guest speakers on various topics and preparation for the work industry. 18 hours lecture. **Prerequisite:** DHYG 80A (completed with a grade of "C" or higher). **Corequisite:** DHYG 81B and, DHYG 82B and, DHYG 83

DIGITAL MEDIA ARTS (DIGM)

(REVISED CREDIT COURSE)

6A PHOTO COMPOSITING 3 UNITS

(See also PHOT 66)

Introduction to the use of industry standard software for retouching, editing, and compositing digital images. Students take their original photography and artistically adjust contrast, exposure, color balance, to create enhanced compositions. Students also take a number of images and composite these individual image into an artistically balanced and well designed composition. 36 hours lecture. 72 hours laboratory. **Strongly Recommended:** PHOT 50 (completed with a grade of "C" or higher).

10A INTRODUCTION TO ANIMATION 3 UNITS

The history and evolution of technical aspects of animation are examined. Students explore animation principles using analog media, including, phonotropes, stop motion animation, claymation and flip books. Digital aspects of animation are also explored to create short mini animated sequences. 36 hours lecture. 72 hours laboratory. **Strongly Recommended:** DIGM 11 (completed with a grade of "C" or higher).

EARLY CHILDHOOD DEVELOPMENT (ECD)

(CORRECTION)

ELEMENTARY TEACHER EDUCATION ASSOCIATE IN ARTS FOR TRANSFER (AA-T)

The Associate in Arts in Elementary Teacher Education for Transfer Degree (AA-T) is specifically designed for students planning to transfer to a CSU campus with a major in Liberal Studies, Elementary Teacher Preparation. This degree encompasses the multiple subject matter program standards adopted by the California Commission on Teacher Credentialing. With planning, the CSU General Education-Breadth requirements are all able to be completed within the AA-T in Elementary Teacher Education degree course requirements. To earn this degree, students are required to: 1) Complete 60 semester units (or 90 quarter units) of CSU degree-applicable courses, 2) Earn a minimum overall grade point average of 2.0, 3) Earn a minimum grade of "C" (or "P") for each course in the major, and, 4) complete either the IGETC and/or CSU GE-Breadth course patterns.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Develop effective speaking and writing skills.
2. Apply logic, reasoning, and problem solving.
3. Develop creative and innovative abilities.

REQUIRED CORE:		UNITS
ECD 11	Exploring Education	3
ECD 56	Child Growth and Development	3
BIOL 10	Introduction to the Science of Biology	4
	or	
BIOL 31	Introduction to College Biology	4
CHEM 10	Introduction to Chemistry	4
	or	
CHEM 31	Introduction to College Chemistry	4
PHYS 11	Descriptive Physics	4
COMM 1	Fundamentals of Speech Communication	3
ENGL 1A	Critical Reading and Composition	3
ENGL 4	Critical Thinking and Writing about Literature	3
ENGL 7	Critical Thinking and Writing Across Disciplines	3
GEO 5	World Regional Geography	3
HIS 3	World History: Beginnings to 1500	3
HIS 7	U.S. History Through Reconstruction	3
MTH 41	Number Systems	3
POSC 1	Introduction to American Government	3

LIST A (Select one course) 3 units

ARTH 1	Introduction to Art	3
MUSL 1	Introduction to Music	3
THTR 10	Introduction to Theater Arts	3

LIST B:

(Select additional courses from the list below) 12 units

ART 23	2-D Foundations	3
ART 24	3-D Foundations	3
CHEM 30A	Introductory and Applied Chemistry I	4
COMM 46	Argumentation and Debate	3
ENGL 20	Studies in Shakespeare	3
ENGL 21	The Evolution of the Black Writer	3
ENGL 22	Mexican American/Latino Literature of the U.S.	3
ENGL 24	Storytelling in Modern American Novels and Films	3
ENGL 25	Asian-American Literature	3
ENGL 26	The Literature of Immigration and Migration	3
ENGL 28	Classic and Contemporary Youth Literature	3
ENGL 31	Introduction to Gay and Lesbian Literature	3
ENGL 32	U.S. Women's Literature	3
ENGL 45	Studies in Fiction	3
ENGL 48	The Literature of the Holocaust	3
GEO 2	Cultural Geography	3
HLTH 1	Introduction to Personal Health	3
MTH 43	Introduction to Probability and Statistics	4
	or	
PSY 5	Introductory Statistics for the Behavioral and Social Sciences	4
PHIL 50	Introduction to Philosophy	3
PHIL 60	Introduction to Philosophy: Ethics	3
POSC 25	Introduction to Political Theory	3
PSY 12	Lifespan Psychology	3
RELS 50	Religions of the World	3
SOCI 1	Principles of Sociology	3

Unit Calculations

Major Requirements	56-60
General Education	CSU GE 39 IGETC 37

Electives: degree applicable as needed

Total 60 minimum degree applicable as needed

All courses in the major or area of emphasis are required to have a grade of C or higher, and a cumulative GPA of 2.0 must be achieved.

(CORRECTION)

EARLY CHILDHOOD EDUCATION

ASSOCIATE IN SCIENCE FOR TRANSFER (AS-T)

This curriculum provides an opportunity to achieve an Associate Degree in Science in Early Childhood Development for Transfer to the California State University System (CSU) in Early Child Education or similar programs. A baccalaureate degree is recommended preparation for those considering teaching and other professional careers in early childhood education. Completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for upper-division work. The program is designed specifically for the California State University system. Lower Division requirements for the University of California system and private four-year schools vary by transfer school. Please see a counselor for transfer requirements for other institutions. Students who intend to transfer must meet all current transfer requirements including minimum GPA. Students are strongly advised to meet with a counselor to discuss transfer requirements and lower division major preparation that is needed for their intended transfer school.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Apply ethical standards and professional behaviors that demonstrate understanding of the needs, the characteristics and multiple influences on the development of children birth to age eight as related to high quality care and education of young children.
2. Design, implement, and evaluate environments and activities that support positive, developmental play, and learning outcomes for all children.

REQUIRED COURSES

ECD 50	Early Childhood Principles and Practices	3
ECD 54 *	Child Health, Safety and Nutrition	3
ECD 56 *	Child Growth and Development	3
ECD 62 *	Child, Family and Community	3
ECD 63	Early Childhood Curriculum	4
ECD 69	Child Study: Observation and Assessment	3
ECD 79	Teaching in a Diverse Society	3
ECD 90	Practicum: Supervised Experience	4

Unit Calculations

Major Requirements	26
General Education	CSU GE 39 IGETC 37

Electives: degree applicable as needed

Total 60 minimum degree applicable as needed

All courses in the major or area of emphasis are required to have a grade of "C" or higher, and a cumulative GPA of 2.0 must be achieved.

*These courses can be double counted for general education requirements and Early Childhood Development major.

(NEW CERTIFICATE)
EDUCATIONAL AIDE
 CERTIFICATE OF ACHIEVEMENT (COA)

This certificate provides students who want to work as a school aide, paraprofessional educator, after school aide or teacher assistant with essential knowledge of child development, how to work with diverse populations and children with special needs, hands-on curriculum development, and field work in an elementary school setting. In addition, they have an option to focus on behavior guidance, literacy development or health and safety. 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. A grade of "C" or higher is required in all courses.

CAREER OPPORTUNITIES IN EDUCATIONAL AIDE

Students will be qualified to work in a licensed facility as a preschool teacher and will have the coursework to earn the Associate Teacher permit which is needed to work in Title 5 state funded preschools and Head Start centers. They will have competencies to work as paraeducators, after-school aides and teacher assistants in an elementary school as well. Labor Market data shows a significant undersupply of Teacher Assistants compared to the demand for this occupation in the Bay region and in the East Bay sub-region (Alameda and Contra Costa Counties.) There is a projected annual gap of about 4,034 students in the Bay region and 1,485 students in the East Bay Sub-Region. In addition, as California school districts struggle to find teachers, these jobs might prove to be a pipeline to a credentialed jobs. Some California school districts have initiated programs to provide financial aid to aides and paraprofessionals to earn degrees and credentials.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Demonstrate an understanding of typical and atypical development in children birth through elementary school age by planning curriculum that meets the diverse needs and learning styles of all children;
2. Demonstrate an understanding of child development theory, pedagogy, and current research, and their application to responsive and reflective practice in early care and elementary school settings.

REQUIRED COURSES	UNITS
ECD 11 Exploring Education	3
ECD 50 Early Childhood Principles and Practices	3
ECD 52 Childhood and Adolescence	3
or	
ECD 56 Child Growth and Development	3
ECD 60 Introduction to the Young Child With Exceptional Needs	3
ECD 62 Child, Family and Community	3
ECD 63 Early Childhood Curriculum	4
ECD 79 Teaching in a Diverse Society	3

Elective -- one course selected from the following:

ECD 41 Strategies for Working with Challenging Behaviors	3
ECD 59 Literacy in Early Childhood	3
ECD 54 Child Health, Safety and Nutrition	3
ENGL 28 Classic and Contemporary Youth Literature	3

Total Units **25**

ELECTRONIC SYSTEMS TECHNOLOGY (ESYS)

(UPDATED COURSES)

ELECTRONIC SYSTEMS TECHNOLOGY
 ASSOCIATE IN SCIENCE (AS)

The Electronics Systems Technology associate degree program prepares the student for entry-level positions in a wide range of industries that use electronics technician skills including robotics, IoT, mechatronics, process control systems, biotechnology, manufacturing, entertainment, automotive, consumer products support and electronic equipment sales. Electronic Systems Technology is a key enabler of all of these contemporary industries.

CAREER OPPORTUNITIES IN ELECTRONIC SYSTEMS TECHNOLOGY

Completion of this certificate prepares students for an Electric & Electronics Technician career with electro-mechanical device, industrial electronic, electronics manufacturing firms. According to Labor Market Information data, electronics technician positions are expected to grow from 24,500 positions in 2016 to 26,300 positions by 2026, an increase of 7.3%. Students will be applying electrical and electronic theory and related knowledge, usually under the direction of engineering staff, to design, build, repair, calibrate, and modify electrical components, circuitry, controls, and machinery for subsequent evaluation and use by engineering staff in making engineering design decisions.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Specify, install, program, operate, troubleshoot, and modify electronics systems.
2. Upon completion of the program the student should be able to: communicate with effective oral and written communication skills.

REQUIRED COURSES	UNITS
ESYS 50 Introduction to Electronic Systems Technology	4
ESYS 51 Fabrication Techniques for Electronic Systems Technology	2
ESYS 54 Analog Circuits and Semiconductor Devices	3
ESYS 55 IoT & Microcontroller Systems	3
ESYS 57 PLCs & Process Control Systems	3
ESYS 63 IT Essentials: PC Hardware and Software	3
ESYS 69 Robotics & Industrial Control Systems	3

General Education Units for A.S. Degree

For specific A.S. General Education courses refer to catalog section on A.S. Graduation Requirements.

REQUIRED FOR THE MAJOR SPECIFIC G.E. REQUIREMENT

Complete a minimum of 3 units from:

BUS 14	Business Communications	3
ENGL 70	Report Writing	3
INDT 74	Measurements and Calculations	3
MTH 36	Trigonometry	3
MTH 37	Trigonometry with an Emphasis on its Geometric Foundations	5
PHYS 11	Descriptive Physics	4
CAS 92A	Introduction to Networks	3
CAS 74	Introduction to Linux/Unix	3

The above listing is a suggested sequence only. Some courses may have prerequisites. Students may take courses in any sequence except where a prerequisite applies.

Unit Calculations

Major Requirements	21
General Education	19
Electives: Degree applicable units as needed	

Total Units	60
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(UPDATED COURSES)

ESYS: CONSUMER TECHNOLOGY CERTIFICATE OF ACHIEVEMENT (COA)

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 ESYS: 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%.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Demonstrate fundamental knowledge of basic and advanced electronics.
2. Demonstrate the proper use of electronic testing equipment along with appropriate interpretation of results in the Laboratory.

REQUIRED COURSES

UNITS

ESYS 50	Introduction to Electronic Systems Technology	4
ESYS 51	Fabrication Techniques for Electronic Systems Technology	2
ESYS 54	Analog Circuits and Semiconductor Devices	3
ESYS 55	IoT & Microcontroller Systems	3
ESYS 57	PLCs & Process Control Systems	3
ESYS 63	IT Essentials: PC Hardware and Software	3

The above listing is a suggested sequence only. Some courses may have prerequisites. Students may take courses in any sequence except where a prerequisite applies.

Total Units	18
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(UPDATED COURSES)

ESYS: INDUSTRIAL ELECTRONIC TECHNOLOGY CERTIFICATE OF ACHIEVEMENT (COA)

Students develop the technical skills required for many entry-level Electronics Technicians employment opportunities including robotics, 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 ESYS: 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.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Apply knowledge of electronic principles to the areas of robotics, mechatronics, IoT and process control systems.
2. Demonstrate the proper use of electronic testing equipment along with appropriate interpretation of results in the Laboratory.
3. Troubleshooting faults in circuit or system operation by assessing quantitative calculations or measurements in the Laboratory.

REQUIRED COURSES	UNITS
ESYS 50 Introduction to Electronic Systems Technology	4
ESYS 51 Fabrication Techniques for Electronic Systems Technology	2
ESYS 54 Analog Circuits and Semiconductor Devices	3
ESYS 55 IoT & Microcontroller Systems	3
ESYS 57 PLCs & Process Control Systems	3
ESYS 69 Robotics & Industrial Control Systems	3

The above listing is a suggested sequence only. Some courses may have prerequisites. Students may take courses in any sequence except where a prerequisite applies.

Total Units **18**

COURSES

(UNIT CHANGE)

50 INTRODUCTION TO ELECTRONIC SYSTEMS TECHNOLOGY **4 UNITS**

Introduction to electronic systems and circuits. Overview of career opportunities and job duties with electronic systems technology. Direct current and alternating current circuits including Ohm's law and Kirchhoff's laws. Measurement and characterization of electronic systems at the block diagram level. Laboratory practice includes the proper use of standard test instruments. 54 hours lecture. 54 hours laboratory. **Strongly Recommended:** INDT 74 (completed with a grade of "C" or higher).

(REVISED CREDIT COURSE)

51 FABRICATION TECHNIQUES FOR ELECTRONIC SYSTEMS TECHNOLOGY **2 UNITS**

Prototype development includes sheet metal, printed circuit board layout and fabrication, connection and soldering techniques, use of hand tools, and machines in electronic fabrication. Use of computer software tools as applied to electronic fabrication. 18 hours lecture. 54 hours laboratory. **Strongly Recommended:** ESYS 50 (completed with a grade of "C" or higher).

(UPDATED CATALOG DESCRIPTION)

54 ANALOG CIRCUITS AND SEMICONDUCTOR DEVICES **3 UNITS**

Introduction to more advanced electrical/electronics circuits. Students learn the use of BJTs (bipolar junction transistors), FETs (field effect transistors), Op-Amps (integrated circuit operational amplifiers) in building electronic circuits such as power supplies, amplifiers, oscillators, and filters. Topics include biasing of amplifiers to explain how transistors are turned on; configurations of amplifiers which explain how the amps differ with current and voltage gain and classes of amplifiers which explain efficiencies of the amplifiers. Voltage regulation, active filters, oscillators, timers and modulation are also part of course content. 36 hours lecture. 54 hours laboratory. **Strongly Recommended:** ESYS 52

(NEW CREDIT COURSE)

55 IOT & MICROCONTROLLER SYSTEMS **3 UNITS**

As IoT connects the world, explore its benefits, applications and challenges. Architecture, programming, application and troubleshooting of single-chip microcontroller electronic systems as well as complex programmable logic device (CPLD) electronic systems. Digital building blocks, number systems, Includes programming in VHDL. Digital building blocks, number systems, Boolean algebra, combinational and sequential logic, integrated logic families, digital circuit measurement techniques and instrumentation, troubleshooting techniques. 36 hours lecture. 54 hours laboratory. **Strongly Recommended:** ESYS 50 (completed with a grade of "C" or higher).

(DEACTIVATED COURSE)

55A MICROCONTROLLER SYSTEMS

(DEACTIVATED COURSE)

55B DIGITAL LOGIC SYSTEMS

(NEW CREDIT COURSE)

57 PLCS & PROCESS CONTROL SYSTEMS **3 UNITS**

Programmable logic control systems; function, interrelationship, and troubleshooting of systems components. PLC input/output systems and requirements. Ladder logic and SCADA programming using basic I/O instructions, logic instructions, timers, counters, and comparison functions. 36 hours lecture. 54 hours laboratory. **Strongly Recommended:** ESYS 50 (completed with a grade of "C" or higher).

(DEACTIVATED COURSE)

57A PROCESS CONTROL SYSTEMS

(DEACTIVATED COURSE)

57B PLC AND ROBOTIC SYSTEM COMPONENTS

(DEACTIVATED COURSE)

57C ELECTRICAL MOTORS AND CONTROL SYSTEMS

(DEACTIVATED COURSE)

57D INDUSTRIAL NETWORKS AND INTERNET OF THINGS

63 IT ESSENTIALS: PC HARDWARE AND SOFTWARE **3 UNITS**

Cisco Networking Academy IT Essentials course. Students will learn the internal components of a computer, assemble a computer system, install an operating system, and troubleshoot using system tools and diagnostic software. Students will also connect to the Internet and share resources in a network environment. Additional topics covered include laptops and portable devices, wireless connectivity and basic implementation skills, Voice over Internet Protocol (VoIP), security, safety and environmental issues, applied network configuration and troubleshooting skills, and communication skills. May not receive credit if Computer Application Systems 83 has been completed. 36 hours lecture. 54 hours laboratory.

(DEACTIVATED COURSE)

63A IT ESSENTIALS: PC HARDWARE AND SOFTWARE I

(DEACTIVATED COURSE)

63B IT ESSENTIALS: PC HARDWARE AND SOFTWARE II

(NEW CREDIT COURSE)

69 ROBOTICS & INDUSTRIAL CONTROL SYSTEMS 3 UNITS

Robotics fundamentals include machine design, control systems, sensors, actuators and programming. Electrical motors and controls for commercial and industrial applications. DC, stepper, 1-phase and 3-phase AC motors, including variable-frequency drives. Includes motor theory and hands-on applications. 36 hours lecture. 54 hours laboratory. **Strongly Recommended:** ESYS 50 (completed with a grade of "C" or higher).

ENGINEERING (ENGR)

(UPDATED PREREQUISITES)

36 ENGINEERING MECHANICS -STATICS 3 UNITS

Force systems under equilibrium conditions; vector properties of forces, moments, couples, and resultants; rigid body structures; hydrostatics; shear and bending-moment diagrams; friction; centroids; area/mass moments of inertia. Graphical, algebraic, and numerical (computer) solutions of vector mechanics problems. 36 hours lecture. 54 hours laboratory. **Prerequisite:** ENGR 25 or, MTH 25 or, PHYS 25 (completed with a grade of "C" or higher). and, PHYS 4A (completed with a grade of "C" or higher). and, MTH 2 (completed with a grade of "C" or higher).

(UPDATED PREREQUISITES)

43 ELECTRICAL CIRCUITS AND DEVICES 4 UNITS

Introduction to basic electrical engineering circuit-analysis and devices. DC, transient and AC circuit analysis methods, Kirchoff's laws, nodal/mesh analysis, network theorems, voltage and current sources, resistors, capacitors and inductors. Thévenin/Norton equivalent circuits. Natural and forced response of first and second order circuits. Steady-state sinusoidal circuit voltage/current analysis, and power calculations. Frequency response, phasors, Bode plots and transfer functions. Low/High/Band pass filters. Operational Amplifiers in DC, transient, and AC circuits. Diode and NMOS/PMOS FET characteristics. Diode and MOSFET circuits. Introduction to basic integrated-circuit technology and layout. Digital signals, logic gates, switching. Combinatorial logic circuits using AND/NAND OR/NOR gates. Sequential logic circuits using RS, D, and JK Flip-Flop gates. Computer based circuit-operation simulation using SPICE and MATLAB software. Electronics laboratory exercises demonstrating basic instruments, and experimental techniques in Electrical Engineering: DC current/voltage supplies, Digital MultiMeters (DMM), RLC Meters, oscilloscopes, and AC function generators. Measurements of resistance, inductance, capacitance, voltage, current, transient response, and frequency response. 54 hours lecture. 54 hours laboratory. **Prerequisite:** ENGR 25 (completed with a grade of "C" or higher). or, MTH 25 (completed with a grade of "C" or higher). or, PHYS 25 (completed with a grade of "C" or higher). and, PHYS 4B (completed with a grade of "C" or higher). and MTH 4 (MTH 4 may be taken concurrently)

(UNIT CHANGE)

45 MATERIALS OF ENGINEERING 4 UNITS

Application of principles of chemistry and physics to the properties of engineering materials. The relation of micro-structure to mechanical, electrical, thermal and optical properties of metals. Solid material phase equilibria and transformations. The physical, chemical, mechanical and optical properties of ceramics, composites, and polymers. Operation and use of materials characterization instruments and methods. 54 hours lecture. 54 hours laboratory. **Prerequisite:** PHYS 4A (completed with a grade of "C" or higher). and, ENGR 25 (completed with a grade of "C" or higher). and, CHEM 1A (completed with a grade of "C" or higher).

(NEW CREDIT COURSE)

47 ENGINEERING DYNAMICS 3 UNITS

This course covers dynamics for engineering applications, where motion is involved. It includes the kinematics and dynamics of particles, systems of particles, and rigid bodies in two and three dimensions. Also included are orbital motion and satellites, vibrations, which are present in many engineering situations, Euler angles, which are necessary to completely describe the orientation of an object in space, and variable mass systems, such as rockets and jet engines. 54 hours lecture. 18 hours laboratory. **Prerequisite:** ENGR 36 (completed with a grade of "C" or higher).

(UPDATED PREREQUISITES)

85 INTRODUCTION TO SOLID MECHANICS 3 UNITS

This course reviews the concepts of stresses, strains and material laws with emphasis on elastic properties as well as yield and fracture criteria. Topics include stresses and strains in beams, torsion, deformations of beams and frames, work and energy, statically indeterminate beams and frames, second order bending theory, and elastic instability. 54 hours lecture. **Prerequisite:** ENGR 36 (completed with a grade of "C" or higher). **Strongly Recommended:** ENGR 45 (completed with a grade of "C" or higher). and, MTH 4 (completed with a grade of "C" or higher). and, MTH 6 (completed with a grade of "C" or higher).

ENGLISH (ENGL)

(UPDATED COURSES)

ENGLISH

ASSOCIATE IN ARTS FOR TRANSFER (AA-T)

The Associate in Arts in English for Transfer (AA-T) provides major preparation in English through an introduction to composition, critical thinking, literature, creative writing and related areas of study. It is also useful preparation for other liberal arts degrees, and will offer students an enriched background towards many diverse professional fields. The intent of the AA-T is to assist students in transferring to the California State University system. California Community College students who are awarded the English AA-T degree are guaranteed admission with junior standing in the CSU system, and given priority admission consideration to their local CSU campus to a program that is deemed similar to their community college major. Completion of 60 semester units of degree-applicable courses. Minimum overall grade point average of 2.0. Minimum grade of "C" (or "P") for each course in the major. Completion of IGETC and/or CSU GE-Breadth.

CAREER OPPORTUNITIES IN ENGLISH

English majors go into a variety of fields, including law, education, publishing, business, government, media relations, entertainment, counseling, journalism, technical writing, nonprofit, development and fundraising, and many more.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Critically respond to the ideas and information in academic texts
2. Independently read and understand complex academic texts

REQUIRED COURSES

UNITS

ENGL 4A Critical Thinking and Writing about Literature 4

LIST A: Select two (6 units)

ENGL 35 Modern and Contemporary U.S. Literature 3
ENGL 41 World Literature (17th Century to the Present) 3

LIST B: Select two (6 units)

ENGL 11A Introduction to Creative Writing 3
ENGL 20 Studies in Shakespeare 3
ENGL 21 The Evolution of the Black Writer 3
ENGL 22 Mexican American/Latino Literature of the U.S. 3
ENGL 25 Asian-American Literature 3
ENGL 28 Classic and Contemporary Youth Literature 3
ENGL 31 Introduction to Gay and Lesbian Literature 3
ENGL 32 U.S. Women's Literature 3
ENGL 45 Studies in Fiction 3
ENGL 48 The Literature of the Holocaust 3

LIST C: Select One (3 units)

Any course from List B not already used, or:

ENGL 12A Beginning Fiction Writing 3
ENGL 13A Craft of Writing - Poetry 3
COMM 2 Oral Interpretation of Literature 3
THTR 10 Introduction to Theater Arts 3
MCOM 20 Journalism: Newswriting and Information Gathering 3

Unit Calculations

Major Requirements 19
General Education CSU GE 39
IGETC 37

Electives: degree applicable as needed

Total **60**

NOTE: Grades of "C" or higher is required for major courses, IGETC courses, and CSU GE Areas A2 and B4.

(NEW DEGREE)

ENGLISH

(EMPHASIS IN CREATIVE WRITING)

ASSOCIATE IN ARTS (AA)

The English Associate in Arts (emphasis in Creative Writing) enables students to complete coursework which may be applied towards a bachelor's degree in English or Creative Writing. In addition, this degree is useful preparation for other liberal arts degrees, and can offer an enriched background towards professional preparation in fields from education to law.

CAREER OPPORTUNITIES IN ENGLISH (EMPHASIS IN CREATIVE WRITING)

English majors go into a variety of fields, including law, education, publishing, business, government, media relations, entertainment, counseling, journalism, technical writing, nonprofit, development and fundraising, and many more.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Produce a body of work that reflects an understanding of the elements of craft in creative writing;
2. Demonstrate an ability to respond critically to the creative writings of others.

Required Core (4 units)

ENGL 4A Critical Thinking and Writing about Literature 4

Units

List A: Select three courses (9 units)

ENGL 11A Introduction to Creative Writing 3
ENGL 11B Intermediate Creative Writing 3
ENGL 11C Advanced Creative Writing 3
ENGL 12A Beginning Fiction Writing 3
ENGL 12B Intermediate Fiction Writing 3
ENGL 13A Craft of Writing - Poetry 3
ENGL 13B Intermediate Craft of Writing - Poetry 3

List B: Select Two (6 units)

ENGL 20	Studies in Shakespeare	3
ENGL 21	The Evolution of the Black Writer	3
ENGL 22	Mexican American/Latino Literature of the U.S.	3
ENGL 25	Asian-American Literature	3
ENGL 28	Classic and Contemporary Youth Literature	3
ENGL 31	Introduction to Gay and Lesbian Literature	3
ENGL 32	U.S. Women's Literature	3
ENGL 35	Modern and Contemporary U.S. Literature	3
ENGL 37	Proofreading and Editing for College Writing	3
ENGL 41	World Literature (17th Century to the Present)	3
ENGL 45	Studies in Fiction	3
ENGL 48	The Literature of the Holocaust	3

Unit Calculations

Major Requirements	19
General Education Requirements	25
Electives (Degree applicable courses as needed)	
Total Units	60

(NEW CERTIFICATE)
**NON-CREDIT PREPARATION
 FOR ENGLISH COMPOSITION
 CERTIFICATE OF COMPETENCY (COC)
 (NON-CREDIT PROGRAM)**

Learn or review strategies for reading critically in an academic setting, managing the steps of the writing process, and learning to access and use sources. This program is designed for students who are looking to practice their reading and writing in a low stakes environment before taking transfer-level, for-credit English courses. English 1, Critical Reading and Composition is required for most Associate's Degree and transfer programs. Students who earn the Non-Credit Preparation for English Composition Certificate will be prepared with strategies for the reading and writing required in English 1 as well.

**CAREER OPPORTUNITIES IN NON-CREDIT
 PREPARATION FOR ENGLISH COMPOSITION**

Critical reading and composition skills provide a foundation for skills required in most degree-level or transfer-level quantitative courses. Critical reading and composition skills developed in this program are essential preparation for careers such as, office manager, executive assistant, HR assistant.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Critically respond to the ideas and information in academic texts;
2. Independently read and understand complex academic texts;
3. Develop and apply a series of metacognitive strategies for reading comprehension and analytical writing, to establish a strong foundation for transfer-level English.

English Non-Credit Composition Certificate	Hours
Complete two of the following courses:	
ENGL 201A Non-Credit Preparation for Composition I	45
ENGL 201B Non-Credit Preparation for English Composition II	45
ENGL 215 Support with Writing and Reading	18 - 54
Total Hours	63 - 99

COURSES

(DEACTIVATED COURSE)

1A CRITICAL READING AND COMPOSITION

(DEACTIVATED COURSE)

4 CRITICAL THINKING AND WRITING ABOUT LITERATURE

(DEACTIVATED COURSE)

7 CRITICAL THINKING AND WRITING ACROSS DISCIPLINES

(REVISED CREDIT COURSE)

13A BEGINNING CRAFT OF WRITING - POETRY 3 UNITS

English 13A serves as a beginning course in the practice of writing poetry. Students will focus on analyzing and using techniques and styles from a diverse selection of poetry, including peers, to develop and revise one's own work. Students will learn elements of the craft of writing poetry such as voice, rhythm, imagery, extended metaphor, meter, and freeform. 54 hours lecture.

Prerequisite: ENGL 102 (completed with a grade of "P" or higher) or Eligibility for ENGL 1 as determined by multiple measures or other appropriate method.

(REVISED CREDIT COURSE)

13B INTERMEDIATE CRAFT OF WRITING - POETRY 3 UNITS

Practice in writing poetry at an intermediate level. Builds on skills developed in English 13A. 13B requires: greater and more integrated use of trope, image, and metaphor; more extensive development of themes, including across different poems; more nuanced eye towards personal revision and workshop critique of classmates' poems; deeper integration of materials drawn from published poetry and individual's own work for analysis and criticism with a focus on techniques of revision. 54 hours lecture. **Prerequisite:** ENGL 13A (completed with a grade of "C" or higher).

(REVISED CREDIT COURSE)

19A LITERARY JOURNAL WORKSHOP: THE CHABOT REVIEW 1 UNIT

Practical, introductory training in the managing, editing, and publication of a literary journal, The Chabot Review. Students will gain knowledge of the publishing world as well as learn practical skills while publishing creative works by Chabot College students and staff. Students enrolled in the class serve as The Chabot Review editorial team, and learn what it means to be an Editor-in-Chief, Fiction Editor, Poetry Editor, Design Editor, Public Relations Manager, and more. 18 hours lecture. **Strongly Recommended:** Eligibility for ENGL 1.

(REVISED CREDIT COURSE)

19B INTERMEDIATE LITERARY JOURNAL WORKSHOP: THE CHABOT REVIEW 1 UNIT

Intermediate practical workshop training in running, producing, and collaborating on a literary magazine. The class will use the knowledge gained in 19A of the publishing field by putting students in a leadership position on the editorial team. Students will assume the roles of Editor-in-Chief, Fiction Editor, Poetry Editor, Design Editor, Public Relations Manager, and more. 18 hours lecture. **Strongly Recommended:** Eligibility for ENGL 1. **Prerequisite:** ENGL 19A (completed with a grade of "C" or higher).

(REVISED CREDIT COURSE)

41 WORLD LITERATURE (17TH CENTURY TO THE PRESENT) 3 UNITS

Comparative study of selected works of literature, in English and in translation, from around the world, including Africa, Europe, the Middle East, Asia, the Americas, and other areas, from the mid seventeenth century to the present. 54 hours lecture. **Prerequisite:** Eligibility for ENGL 1 as determined by multiple measures or other appropriate method or, ENGL 102 (completed with a grade of "P" or higher) or, ENGL 101B (completed with a grade of "P" or higher). **Strongly Recommended:** ENGL 1 or, ENGL 1A.

(REVISED CREDIT COURSE)

45 STUDIES IN FICTION 3 UNITS

Exploration of particular themes and/or periods as reflected in works of fiction, including discussion of form, content, and cultural contexts. 54 hours lecture. **Strongly Recommended:** ENGL 1A (completed with a grade of "C" or higher). or, ENGL 1 (completed with a grade of "C" or higher).

(REVISED CREDIT COURSE)

115 SUPPORT WITH WRITING AND READING 0.5- 3 UNITS

(See also GNST 115)

This credit course provides whole group, small group, laboratory, and individualized support with writing and reading assignments. Students meet regularly with an English 115 instructor during one of three open hours, as well as with WRAC tutors and WRAC English/ESL instructors, on a customized learning plan. Students will improve their academic reading skills, and/or their composition or sentence-level writing skills. Students may repeat this course until mastery of skills is met, not to exceed 3 units of credit course work. This class is intended to assist and prepare students to be successful in college-level credit coursework. 27-162 hours laboratory.

(NEW NONCREDIT COURSE)

201A NON-CREDIT PREPARATION FOR COMPOSITION I 45 HOURS

Non-credit course in which students will practice academic reading, critical thinking, and writing expected in credit classes or degree-applicable classes. Students will practice metacognitive strategies that will prepare them for success in a transfer-level English course. This is the first 9-week course in a two-course sequence. Students completing both English 201A and 201B will earn a Certificate of Competency in Preparation for English Composition. The course is free to students and repeatable until mastery of the skills is met. Strongly Recommended: Informed Course Selection Tool (ICST). 45 hours lecture. **Strongly Recommended:** Informed Course Selection Tool.

(NEW NONCREDIT COURSE)

201B NON-CREDIT PREPARATION FOR ENGLISH COMPOSITION II 45 HOURS

Non-credit course in which students will practice academic reading, critical thinking, and writing expected in credit classes or degree applicable classes. Students will build on the metacognitive skills from 201A and practice more advanced reading and writing strategies that will prepare them for success in a transfer-level English course. This is the second 9-week course in a two-course sequence but may also be taken as a stand alone course. Students completing both English 201A and 201B will earn a Certificate of Competency in Preparation for English Composition. The course is free to students and repeatable until mastery of the skills is met. Strongly Recommended: Informed Course Selection Tool (ICST). 45 hours lecture. **Strongly Recommended:** Eligibility for ENGL 201A (completed with a grade of "P" or higher) and/or Informed Course Selection Tool.

(NEW NONCREDIT COURSE)

215 SUPPORT WITH WRITING AND READING 18 - 54 HOURS

This noncredit course provides whole group, small group, laboratory, and individualized support with writing and reading assignments. Students meet regularly with an English 215 instructor during one of three open hours, as well as with WRAC tutors and WRAC English/ESL instructors, on a customized learning plan. Students will improve their academic reading skills, and/or their composition or sentence-level writing skills. This course is free and students may repeat this course until mastery of the skills is met. This course is intended to assist and prepare students to be successful in college-level credit coursework. 18-54 hours laboratory.

ENGLISH AS A SECOND LANGUAGE (ESL)

(REVISED CREDIT COURSE)

16A ADVANCED ESL GRAMMAR: MASTERY OF VERBS 3 UNITS

Advanced grammar and editing instruction in English verbs and related structures. Students perfect their understanding and usage of all verb tenses and forms. Grammar is applied to academic reading, writing and editing tasks. Designed for students who are taking ESL 15A/B bridge sequence, but open to all students who meet the prerequisite. ESL 16A and 16B are non-sequential and can be taken in any order. 54 hours lecture. **Prerequisite:** ESL 110C (completed with a grade of "P" or higher) or eligibility for ESL 15A.

16B ADVANCED ESL GRAMMAR: MASTERY OF SENTENCE STRUCTURE 3 UNITS

Advanced grammar and editing instruction in English sentence structure. Students perfect their understanding and usage of phrases and clauses. Grammar is applied to academic reading, writing and editing tasks. Designed for students who are taking ESL 15A/B bridge sequence, but open to all students who meet the prerequisite. ESL 16A and 16B are non-sequential and can be taken in any order. 54 hours lecture. **Prerequisite:** ESL 110C (completed with a grade of "P" or higher).

ENTREPRENEURSHIP (ENTR)

(REVISED CREDIT COURSE)

20 MARKETING FOR ENTREPRENEURS 3 UNITS

An Entrepreneur is a person that starts and operates a business, taking on greater than normal financial risks in order to do so. Creating and building a business from the ground up requires the willingness to make sacrifices and devote endless amounts of time and energy to make the business grow. Marketing for Entrepreneurs introduces students to core marketing strategies and techniques for start-ups and small businesses. Focus on low-cost, flexible, innovative marketing tools including social media and Internet marketing. 54 hours lecture.

ETHNIC STUDIES (ES)

(REVISED DEGREE)

SOCIAL JUSTICE: AFRICAN AMERICAN STUDIES ASSOCIATE IN ARTS FOR TRANSFER (AA-T)

The Associate in Arts for Transfer in Social Justice: African American Studies is designed to prepare students who wish to pursue a Bachelor's degree in the field of African American Studies at the CSUs. Some related majors include: Africana Studies, African American Studies, African and African-American Studies, and Ethnic Studies. African American Studies is an interdisciplinary field focused on specialized knowledge about the diverse and intersectional historical, contemporary, and cultural experiences related to African American and diasporic African communities. Drawing on the philosophical and intellectual foundations of African culture and people of African descent, students will develop critical thinking, research, socially engaged scholarship, and activist skills that can be applied toward various transformative justice and liberation movements of the community. Students wishing to pursue the Associate in Arts for Transfer in Social Justice: African American Studies must complete 60 semester units eligible for transfer to the California State University, including either: The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements, and a minimum of 18 units of major coursework in Social Justice: African American Studies, as detailed below. Students must maintain a minimum 2.0 GPA, including grades of C or higher in each course taken to fulfill the major.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Demonstrate comparative, intersectional, and relational understanding of the diverse histories, cultures, and contemporary experiences related to African American and diasporic African communities;
2. Analyze institutional, structural, and ideological forces that shape the power and experiences of African Americans and people of African descent;
3. Examine solutions toward social change, equity, and justice.

REQUIRED COURSES

UNITS

Required Core Classes (9 units)

		Units
ES 1	Introduction to Ethnic Studies	3
ES 7	Women of Color in the United States: Introduction to Race, Gender, and Sexuality Studies or	3
SOCI 7	Women of Color in the United States: Introduction to Race, Gender, and Sexuality Studies or	3
SOCI 6	Introduction to Gender	3
ES 63	The African American Experience in U.S. History From Reconstruction or	3
HIS 63	The African American Experience in U.S. History From Reconstruction	3

Take 3 courses from at least 2 areas: History, Arts/Humanities, and Social Science (9 units):

Area 1: History

HIS 62	The African-American Experience in U.S. History Through the Civil War or	3
ES 62	The African-American Experience in U.S. History Through the Civil War	3

Area 2: Arts and Humanities

ENGL 21	The Evolution of the Black Writer	3
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Area 3: Social Science

ES 2	Contemporary Ethnic Minority Families in the U.S.	3
ES 3	Introduction to Muslim-American Studies	3
ES 4	Intro to Latinx Studies	3
ES 5	Critiquing Race and Gender in Popular Culture	3
ES 6	Intro to Pacific Islands and Oceania Studies	3
ES 10	Introduction to Asian American Studies or	3
SOCI 10	Introduction to Asian American Studies	3
ES 25	American Indian History and Culture or	3
HIS 25	American Indian History and Culture	3
HIS 32	Colonial Latin America	3
HIS 33	Modern Latin America	3
ES 42	Asian American History: 18th Century to 1945 or	3
HIS 42	Asian American History: 18th Century to 1945	3
ES 43	Asian American History: Early 20th Century - 21st Century or	3
HIS 43	Asian American History: Early 20th Century - 21st Century	3
ES 52	Mexican American History from Mesoamerica to The Mexican Revolution or	3
HIS 52	Mexican American History from Mesoamerica to The Mexican Revolution	3
ES 53	Mexican American History from The Mexican Revolution to the Present or	3
HIS 53	Mexican American History from The Mexican Revolution to the Present	3

Unit Calculations	
Major Requirements	18
General Education	CSU GE 39 IGETC 37
Electives: degree applicable as needed	

NOTE: Grades of "C" or higher is required for major courses, IGETC courses, and CSU GE Areas A2 and B4.

Total Units	60
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(REVISED DEGREE)
SOCIAL JUSTICE:
ASIAN AMERICAN STUDIES
 ASSOCIATE IN ARTS FOR TRANSFER (AA-T)

The Associate in Arts for Transfer in Social Justice: Asian American Studies degree is designed to prepare students who wish to pursue a Bachelor's degree in the field of Asian American Studies at the CSUs. Asian American Studies was born out of the struggle for social justice and relevant education in the 1960s, along with other Ethnic Studies programs. Today, it furthers the understanding of diverse Asian American histories, cultures, and contemporary experiences, using an intersectional lens. The program emphasizes interdisciplinary and socially engaged scholarship, research, community service, and activism as they can be applied to addressing injustices and empowerment of the Asian American community. A degree in Asian American Studies can support work in diverse Asian American communities and can lead toward any of the following career pathways, including: Education, Law, Social Work, Immigrant Rights, Civil Rights, Journalism, Public Health, Community and Union Organizing, Non-profit/social justice work, Government, Public Policy, Community Development/Urban Planning, International Relations. Students wishing to pursue the Associate in Arts for Transfer in Social Justice: Asian American Studies must complete 60 semester units eligible for transfer to the California State University, including either: The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education Breadth Requirements, and a minimum of 18 units of major coursework in Social Justice: Asian American Studies, as detailed below. Students must maintain a minimum 2.0 GPA, including grades of C or higher in each course taken to fulfill the major.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Demonstrate comparative and relational understanding of the diverse histories, cultures, and contemporary experiences of the Asian American community;.
2. Analyze institutional, structural, and ideological forces that shape the experiences of Asian Americans;
3. Examine solutions toward social change, equity, and justice.

REQUIRED COURSES* (SELECT 9 UNITS)		UNITS
ES 1	Introduction to Ethnic Studies	3
ES 7	Women of Color in the United States: Introduction to Race, Gender, and Sexuality Studies or	3
SOCI 7	Women of Color in the United States: Introduction to Race, Gender, and Sexuality Studies or	3
SOCI 6	Introduction to Gender	3
ES 10	Introduction to Asian American Studies or	3
SOCI 10	Introduction to Asian American Studies or	3
ES 43	Asian American History: Early 20th Century - 21st Century or	3
HIS 43	Asian American History: Early 20th Century - 21st Century	3

ES 1 (3 units)
 ES 7/SOCI 7 or SOCI 6 (3 units)
 ES 10/SOCI 10 or ES 43/HIS 43 (3 units)

*Same courses cannot be repeated in more than one area.

Take 3 courses* from at least 2 areas: History, Arts/ Humanities, and Social Science (9 units):

Area 1: History:

ES 42	Asian American History: 18th Century to 1945 or	3
HIS 42	Asian American History: 18th Century to 1945	3
ES 43	Asian American History: Early 20th Century - 21st Century or	3
HIS 43	Asian American History: Early 20th Century - 21st Century	3

*Same courses cannot be repeated in more than one area.

Area 2: Arts and Humanities:

ENGL 25	Asian-American Literature	3
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*Same courses cannot be repeated in more than one area.

Area 3: Social Science:

ES 2	Contemporary Ethnic Minority Families in the U.S.	3
ES 3	Introduction to Muslim-American Studies	3
ES 4	Intro to Latinx Studies	3
ES 5	Critiquing Race and Gender in Popular Culture	3
ES 6	Intro to Pacific Islands and Oceania Studies	3
ES 7	Women of Color in the United States: Introduction to Race, Gender, and Sexuality Studies or	3
SOCI 7	Women of Color in the United States: Introduction to Race, Gender, and Sexuality Studies	3
ES 10	Introduction to Asian American Studies or	3
SOCI 10	Introduction to Asian American Studies	3
ES 25	American Indian History and Culture or	3
HIS 25	American Indian History and Culture	3
HIS 32	Colonial Latin America	3
HIS 33	Modern Latin America	3
ES 42	Asian American History: 18th Century to 1945 or	3

HIS 42	Asian American History: 18th Century to 1945	3
ES 43	Asian American History: Early 20th Century - 21st Century or	3
HIS 43	Asian American History: Early 20th Century - 21st Century	3
ES 52	Mexican American History from Mesoamerica to The Mexican Revolution or	3
HIS 52	Mexican American History from Mesoamerica to The Mexican Revolution	3
ES 53	Mexican American History from The Mexican Revolution to the Present or	3
HIS 53	Mexican American History from The Mexican Revolution to the Present	3
ES 62	The African-American Experience in U.S. History Through the Civil War or	3
HIS 62	The African-American Experience in U.S. History Through the Civil War	3
ES 63	The African American Experience in U.S. History From Reconstruction or	3
HIS 63	The African American Experience in U.S. History From Reconstruction	3

*Same courses cannot be repeated in more than one area.

Unit Calculations

Major Requirements	18
General Education	CSU GE 39 IGETC 37

Electives: Degree applicable units as needed

NOTE: Grades of "C" or higher is required for major courses, IGETC courses, and CSU GE Areas A2 and B4.

Total Units **60**

(REVISED DEGREE)

SOCIAL JUSTICE: CHICANO STUDIES

ASSOCIATE IN ARTS FOR TRANSFER (AA-T)

The AA-T in Social Justice: Chicano Studies is an interdisciplinary program of study, focusing on the intersectional analysis of the experiences and point of views of the diverse Chicano/Latinx community. A degree in Chicano Studies provides students with the comprehension abilities and critical thinking skills related to the specific needs of the community. Moreover this field of study cultivates a skill set that is necessary to understand and engage with a complex set of social, political, and economic systems that often times are characterized by institutionalized discrimination. Students wishing to pursue the Associate in Arts for Transfer in Social Justice: Chicano Studies must complete 60 semester units eligible for transfer to the California State University, including either: The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements, and a minimum of 18 units of major coursework in Social Justice: Chicano Studies, as detailed below. Students must maintain a minimum 2.0 GPA, including grades of C or higher in each course taken to fulfill the major.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Demonstrate an understanding of the diversity within the Chicano community;
2. Analyze issues stemming from social, economic, and political systems characterized by institutional and structural discrimination;
3. Examine solutions toward social change, equity, and justice.

REQUIRED CORE COURSES (9 UNITS) UNITS

ES 1	Introduction to Ethnic Studies	3
ES 7	Women of Color in the United States: Introduction to Race, Gender, and Sexuality Studies or	3
SOCI 7	Women of Color in the United States: Introduction to Race, Gender, and Sexuality Studies or	3
SOCI 6	Introduction to Gender	3
ES 53	Mexican American History from The Mexican Revolution to the Present or	3
HIS 53	Mexican American History from The Mexican Revolution to the Present	3

Take 3 courses from at least 2 areas: History, Arts/Humanities, and Social Science (9 units):

Area 1: History:

ES 52	Mexican American History from Mesoamerica to The Mexican Revolution or	3
HIS 52	Mexican American History from Mesoamerica to The Mexican Revolution	3

Area 2: Arts and Humanities:

ENGL 22	Mexican American/Latino Literature of the U.S.	3
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Area 3: Social Science:

ES 2	Contemporary Ethnic Minority Families in the U.S.	3
ES 3	Introduction to Muslim-American Studies	3
ES 4	Intro to Latinx Studies	3
ES 5	Critiquing Race and Gender in Popular Culture	3
ES 6	Intro to Pacific Islands and Oceania Studies	3
ES 10	Introduction to Asian American Studies or	3
SOCI 10	Introduction to Asian American Studies	3
ES 25	American Indian History and Culture or	3
HIS 25	American Indian History and Culture	3
HIS 32	Colonial Latin America	3
HIS 33	Modern Latin America	3
ES 42	Asian American History: 18th Century to 1945 or	3
HIS 42	Asian American History: 18th Century to 1945	3
ES 43	Asian American History: Early 20th Century - 21st Century or	3

HIS 43	Asian American History: Early 20th Century - 21st Century	3
ES 62	The African-American Experience in U.S. History Through the Civil War or	3
HIS 62	The African-American Experience in U.S. History Through the Civil War	3
ES 63	The African American Experience in U.S. History From Reconstruction or	3
HIS 63	The African American Experience in U.S. History From Reconstruction	3

Unit Calculations

Major Requirements	18
General Education	CSU GE 39 IGETC 37

Electives: degree applicable as needed

NOTE: Grades of "C" or higher is required for major courses, IGETC courses, and CSU GE Areas A2 and B4.

Total Units **60**

(REVISED DEGREE)

SOCIAL JUSTICE: ETHNIC STUDIES

ASSOCIATE IN ARTS FOR TRANSFER (AA-T)

The Associate in Arts for Transfer in Social Justice: Ethnic Studies degree is designed to prepare students who wish to pursue a Bachelor's degree in the field of Ethnic Studies at the CSUs. Some related majors include: African American Studies, Africana Studies, American Indian Studies, Asian American Studies, Chicana/Chicano Studies, Ethnic Studies, Gender Studies, Latin American Studies, Mexican American Studies, and Native American Studies. Ethnic Studies is an interdisciplinary and unique scholarly field that centralizes and redefines the experiences of people of color in the United States, using an intersectional analysis. Born out of the people power movements of various communities of color in the 1960s and the efforts of the third world Liberation Front, Ethnic Studies emphasizes on the praxis of resistance and liberation in order to eliminate all forms of injustice and oppression, especially along race, ethnicity, class, gender, and sexuality. Courses provide a critical racial perspective with a focus on the history, literature, and cultures of African Americans, Arab Americans, Asian Americans, Chicana/Latina, Filipinx, Native Americans, and Pacific Islander Americans. Students wishing to pursue the Associate in Arts for Transfer in Social Justice: Ethnic Studies must complete 60 semester units eligible for transfer to the California State University, including either: The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements, and a minimum of 18 units of major coursework in Social Justice Studies: Ethnic Studies, as detailed below. Students must maintain a minimum 2.0 GPA, including grades of C or higher in each course taken to fulfill the major. California Community College students who are awarded the Associate in Arts for Transfer in Social Justice: Ethnic Studies are guaranteed admission with junior standing somewhere in the CSU system in a major deemed similar to their Associate in

Art for Transfer degree, as well as a .01 grade point average bump increase to a similar major at a CSU campus (for admissions purposes only). Students are strongly encouraged to meet with a counselor to review their options for transfer and to develop an educational plan that best meets their goals.

CAREER OPPORTUNITIES IN ETHNIC STUDIES

A degree in Ethnic Studies can lead toward any of the following career pathways, including: Education, Law, Social Work, Immigrant Rights, Civil Rights, Journalism, Public Health, Community and Union Organizing, Non-profit/social justice work, Government, Public Policy, Community Development/Urban Planning, International Relations.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Demonstrate knowledge of the histories and cultures of diverse racial/ethnic groups;
2. Understand how major institutions, such as family, media, education, and government influence the experiences and opportunities of racial/ethnic groups;
3. Analyze social issues and examine solutions toward social change, equality, and justice.

REQUIRED CORE COURSES* (6 UNITS)	UNITS
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ES 1	Introduction to Ethnic Studies	3
ES 7	Women of Color in the United States: Introduction to Race, Gender, and Sexuality Studies or	3
SOCI 7	Women of Color in the United States: Introduction to Race, Gender, and Sexuality Studies or	3
SOCI 6	Introduction to Gender	3
*Same courses cannot be repeated in more than one area.		
Major preparation core courses*, choose one (3 units):		
ES 4	Intro to Latinx Studies	3
ES 10	Introduction to Asian American Studies or	3
SOCI 10	Introduction to Asian American Studies	3
ES 25	American Indian History and Culture or	3
HIS 25	American Indian History and Culture	3
ES 42	Asian American History: 18th Century to 1945 or	3
HIS 42	Asian American History: 18th Century to 1945	3
ES 43	Asian American History: Early 20th Century - 21st Century or	3
HIS 43	Asian American History: Early 20th Century - 21st Century	3
ES 52	Mexican American History from Mesoamerica to The Mexican Revolution or	3
HIS 52	Mexican American History from Mesoamerica to The Mexican Revolution	3
ES 53	Mexican American History from The Mexican Revolution to the Present or	3

HIS 53	Mexican American History from The Mexican Revolution to the Present	3
ES 62	The African-American Experience in U.S. History Through the Civil War or	3
HIS 62	The African-American Experience in U.S. History Through the Civil War	3
ES 63	The African American Experience in U.S. History From Reconstruction or	3
HIS 63	The African American Experience in U.S. History From Reconstruction	3
ENGL 21	The Evolution of the Black Writer	3
ENGL 22	Mexican American/Latino Literature of the U.S.	3
ENGL 25	Asian-American Literature	3

*Same courses cannot be repeated in more than one area.

List A: Select 3 courses* from at least 2 areas (9 units).

Courses used in one area cannot be used to fulfill a requirement for another area.

Area 1: History or Government

ES 25	American Indian History and Culture or	3
HIS 25	American Indian History and Culture	3
HIS 32	Colonial Latin America	3
HIS 33	Modern Latin America	3
ES 42	Asian American History: 18th Century to 1945 or	3
HIS 42	Asian American History: 18th Century to 1945	3
ES 43	Asian American History: Early 20th Century - 21st Century or	3
HIS 43	Asian American History: Early 20th Century - 21st Century	3
ES 52	Mexican American History from Mesoamerica to The Mexican Revolution or	3
HIS 52	Mexican American History from Mesoamerica to The Mexican Revolution	3
ES 53	Mexican American History from The Mexican Revolution to the Present or	3
HIS 53	Mexican American History from The Mexican Revolution to the Present	3
ES 62	The African-American Experience in U.S. History Through the Civil War or	3
HIS 62	The African-American Experience in U.S. History Through the Civil War	3
ES 63	The African American Experience in U.S. History From Reconstruction or	3
HIS 63	The African American Experience in U.S. History From Reconstruction	3

*Same courses cannot be repeated in more than one area.

Area 2: Arts and Humanities

ES 5	Critiquing Race and Gender in Popular Culture	3
ENGL 21	The Evolution of the Black Writer	3
ENGL 22	Mexican American/Latino Literature of the U.S.	3
ENGL 25	Asian-American Literature	3

*Same courses cannot be repeated in more than one area.

Area 3: Social Science

ES 2	Contemporary Ethnic Minority Families in the U.S.	3
ES 3	Introduction to Muslim-American Studies	3
ES 4	Intro to Latinx Studies	3
ES 5	Critiquing Race and Gender in Popular Culture	3
ES 6	Intro to Pacific Islands and Oceania Studies	3
ES 10	Introduction to Asian American Studies or	3
SOCI 10	Introduction to Asian American Studies	3
ANTH 5	Cultures of the U.S. in Global Perspective	3
ANTH 8	Native American Cultures	3
COMM 12	Gender, Sexual Identity, and Communication	3
PSCN 4	Multiethnic/Cultural Communication	3
PSCN 13	Multicultural Issues in Contemporary America	3

*Same courses cannot be repeated in more than one area.

Unit Calculations

Major Requirements	18
General Education	CSU GE 39 IGETC 37

Electives: degree applicable as needed

NOTE: Grades of "C" or higher is required for major courses, IGETC courses, and CSU GE Areas A2 and B4

Total Units	60
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(NEW CERTIFICATE)
**AFRICANA AND
 AFRICAN AMERICAN STUDIES**
 CERTIFICATE OF ACHIEVEMENT (COA)

Africana and African American Studies is an interdisciplinary field focused on specialized knowledge about the diverse and intersectional historical, contemporary, and cultural experiences related to African American and diasporic African communities. Drawing on the philosophical and intellectual foundations of African culture and people of African descent, students will develop critical thinking, research, socially engaged scholarship, and activist skills that can be applied toward various transformative justice and liberation movements of the community.

**CAREER OPPORTUNITIES IN AFRICANA AND
 AFRICAN AMERICAN STUDIES**

A Certificate of Achievement in Africana and African American Studies can support work in diasporic African communities and can lead toward any of the following career pathways, including: Education, Law, Social Work, Immigrant Rights, Civil Rights, Journalism, Public Health, Community and Union Organizing, Non-profit/social justice work, Government, Public Policy, Community Development/Urban Planning, International Relations.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Evaluate the development of the field of African American Studies;
2. Effectively employ interdisciplinary methodologies in the analysis of issues stemming from structural and systemic oppression of African Americans;
3. Identify and describe the general history and diversity of African American people in the U.S. and the Diaspora;
4. Examine solutions toward social change, equity, and justice

REQUIRED COURSES (12 UNITS) UNITS

ES 62	The African-American Experience in U.S. History Through the Civil War or	3
HIS 62	The African-American Experience in U.S. History Through the Civil War	3
ES 63	The African American Experience in U.S. History From Reconstruction or	3
HIS 63	The African American Experience in U.S. History From Reconstruction	3
ENGL 21	The Evolution of the Black Writer	3
ES 1	Introduction to Ethnic Studies	3

List A: Select 2 courses (6 units):

ES 2	Contemporary Ethnic Minority Families in the U.S.	3
ES 3	Introduction to Muslim-American Studies	3
ES 5	Critiquing Race and Gender in Popular Culture	3
ES 7	Women of Color in the United States: Introduction to Race, Gender, and Sexuality Studies or	3
SOCI 7	Women of Color in the United States: Introduction to Race, Gender, and Sexuality Studies	3

Total Units		18
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FILM

(NEW DEGREE)

FILM, TELEVISION AND ELECTRONIC MEDIA

ASSOCIATE IN SCIENCE FOR TRANSFER (AS-T)

The Associate in Arts for Transfer Degree in Film, Television & Electronic Media is designed to build students' skills in the areas of film, television and electronic media. The AA-T in Film, TV & Electronic Media provides training emphasizing professional practice, and tactile experience in the creation of film productions, live television & radio programming. Students create audio and video content designed for various distribution channels. The degree also offers courses in theoretical, practical, artistic and historical aspects of the film, television, radio and electronic media industries. Students who successfully complete the AA-T in Film, Television & Electronic Media earn specific guarantees for transfer to the CSU system: admission to a CSU with junior status and priority admission to a local CSU campus and to a program or major in Film, Television and Electronic Media or a similar major. Students transferring to a CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. Students are required to complete 60 semester units that are eligible for transfer to a California State University, including both of the following: (1) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education - Breadth Requirements and (2) 18 semester units with a grade of C or better in the major and an overall minimum grade point average of at least 2.0 in all CSU transferable coursework. Students are advised to consult with a Chabot College Counselor for additional information and to verify transfer requirements.

CAREER OPPORTUNITIES IN FILM, TELEVISION AND ELECTRONIC MEDIA

Multimedia Artists and Animators, Camera Operators, Television Producers, Video Producers, Motion Picture Producers, Television Editors, Video Editors, Motion Picture Film Editors, Stage Directors, Motion Pictures Directors, Television Directors, Radio Directors, Talent Directors, Program Directors, Technical Directors/Managers, Casting Directors.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Conceptualize, plan, execute, and deliver film, television, and digital media content using film, television and digital media practices, theory and techniques, while demonstrating technical proficiency in industry standard hardware and software;
2. Apply film, television and electronic media's creative process as a dynamic progression of research, speculation, experimentation, revision, critique and refinement;
3. Communicate film, television, radio and electronic media storytelling, confidently in work, presentation, and writing;
4. Develop basic business practices for the film, television and electronic media industry to include freelancing strategies, portfolio creation and promotion, and professional communication strategies.

REQUIRED CORE: Select two (6 units)	Units
MCOM 40 Introduction to Broadcasting	3
or	
MCOM 41 Introduction to Mass Communications	3
FILM 14 Introduction to Cinematic Arts	3
FILM 12 Screenwriting and Visual Storytelling	3
or	
MCOM 42 Writing for Broadcasting	3
LIST A: Select one course from each area (6 units)	
Area 1: Audio (3 Units)	
MCOM 50 Radio Studio Techniques	3
Area 2: Video or Film Production (3 Units)	
FILM 15 Introduction to Digital Filmmaking	3
FILM 16 Documentary Filmmaking	3
FILM 17 Motion Picture Filmmaking	3
LIST B: Select one course from below which is not already used to satisfy the Required Core or List A requirements (3 units).	
FILM 15 Introduction to Digital Filmmaking	3
FILM 16 Documentary Filmmaking	3
FILM 17 Motion Picture Filmmaking	3
LIST C: Select one course from below which is not already used to satisfy the Required Core, List A, or List B requirements (3 units).	
DIGM 12A Motion Graphics	3
DIGM 10A Introduction to Animation	3
DIGM 6A Photo Compositing	3
DIGM 11 Video Editing	3
ARTH 3 Film History and Appreciation	3
HUMN 68 World Mythology	3
THTR 1 Introduction to Acting	3
Unit Calculations	
Major Requirements	18
General Education	CSU GE 39 IGETC 37
Electives: degree applicable as needed	
Total Units	60

GENERAL STUDIES (GNST)

(REVISED CREDIT COURSE)

115 SUPPORT WITH WRITING AND READING 0.5 - 3 UNITS

(See also GNST 115)

This credit course provides whole group, small group, laboratory, and individualized support with writing and reading assignments. Students meet regularly with an English 115 instructor during one of three open hours, as well as with WRAC tutors and WRAC English/ESL instructors, on a customized learning plan. Students will improve their academic reading skills, and/or their composition or sentence-level writing skills. Students may repeat this course until mastery of skills is met, not to exceed 3 units of credit course work. This class is intended to assist and prepare students to be successful in college-level credit coursework. 27-162 hours laboratory.

GEOGRAPHY (GEOG)

GEOGRAPHY

ASSOCIATE IN ARTS FOR TRANSFER (AA-T)

The Associate in Arts for Transfer in Geography introduces students to principles, theory, and applied methods of spatial analysis in studying both the natural and human environment. The degree is designed to develop the student's awareness of human-environment relationships and changes in the physical and cultural landscape induced by human activities. It provides students with a foundation in the knowledge and skills of the geography profession and prepares them for upper division university course work. Recipients of the Associate in Arts for Transfer degree are guaranteed admission with junior standing at a campus of the California State University system by completing 60 semester units that are transferable to the California State University, to include: The Intersegmental General Education Transfer Curriculum (IGETC for CSU) or the California State University Education Breadth requirements, a minimum of 18 semester units in a major or area of emphasis, grade "C" or better in all courses required for the major, and earn a minimum cumulative grade point average of 2.0.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Demonstrate knowledge of physical processes and human-environment interactions, including their locations.
2. Assemble and analyze spatial information (maps, data, surveys, qualitative observations, etc.), using traditional and modern mapping technology methods.

REQUIRED CORE (6-7 units)	Units
GEO 1 Introduction to Physical Geography	3
GEO 1L Introduction to Physical Geography Laboratory	1
GEO 2 Cultural Geography	3
or	
GEO 5 World Regional Geography	3

LIST A (6 units)

Any core course not already used.

GEO 8	Introduction to Weather and Climate	3
GEO 12	Geography of California	3
GEO 20	Introduction to Geographic Information Systems	3

LIST B (6-8 units)

Any List A or core course not already used.

ANTH 3	Social and Cultural Anthropology	3
ENSC 10	Humans and the Environment	3
GEO 3	Economic Geography	3
GEO 10	Global Environmental Problems	3
GEO 13	Climate Studies	3
GEO 21	Spatial Analysis with GIS	3
GEOS 1	Physical Geology with Laboratory	4
MTH 43	Introduction to Probability and Statistics	4
	or	
PSY 5	Introductory Statistics for the Behavioral and Social Sciences	4

Unit Calculations

Major Requirements	19 - 21
General Education	CSU GE 39 IGETC 37

Electives: degree applicable as needed

Total Units **60**

HEALTH (HLTH)

(RENAMED COURSE)

51A MEDICAL TERMINOLOGY & THE HUMAN BODY 4 UNITS

Terminology and human body structure and function typically used in the medical profession. Explanation of the history of terminology, prefixes, suffixes, and root words with emphasis on spelling, definitions, pronunciation, and an understanding of their meanings. Includes basic understanding of the basic structure and function of the human body as well as medical abbreviations, anatomical, disease, diagnostic, medical, surgical, and additional terms as they relate to each body system. 72 hours lecture.

51B ADVANCED MEDICAL TERMINOLOGY AND DISEASE PROCESS 4 UNITS

Introduction to the nature of disease and to structural and functional changes of diseases as they affect the systems of the body. Discussion of causes, symptoms and treatment of diseases/disorders pertaining to each body system and the body as a whole. Understanding how diseases and disorders affect individuals as well as the population. Identify tools and behaviors that promote health aging to reduce the risk of diseases and disorders. 72 hours lecture. **Prerequisite:** HLTH 51A (completed with a grade of "C" or higher).

(NEW CREDIT COURSE)

80 INTRODUCTION TO PUBLIC HEALTH 3 UNITS

(See also BIOL 80)

This course provides an introduction to the discipline of Public Health. Students will gain an understanding of the basic concepts and terminologies of public health, will learn the history and accomplishments of public health officials and agencies, and will do in-depth examination of core public health disciplines. Topics include the epidemiology of infectious and chronic disease; prevention and control of diseases in the community including the analysis of the social determinants of health and strategies for eliminating disease, illness and health disparities among various populations; community organizing and health promotion programming; environmental health and safety; global health; and healthcare policy and management. May not receive credit if BIOL 80 has been completed successfully. 54 hours lecture.

HEALTH INFORMATION MANAGEMENT (HIT)

(REACTIVED/COURSES UPDATED)

HEALTH INFORMATION CODING CERTIFICATE OF ACHIEVEMENT (COA)

This certificate program will prepare the student for an entry-level position as a medical coder and other medical billing positions. This program focuses on medical coding and billing for outpatient facilities, medical clinics and physician offices. Students will learn medical terminology, pathophysiology, medical legal and ethical aspects, electronic health records (EHR), medical insurance and reimbursement requirements. Students will learn how to accurately assign codes using the International Classifications of Diseases (ICD-10-CM), Current Procedural Terminology (CPT) and Healthcare Common Procedure Coding System (HCPCS) manuals. This program begins every spring and courses are taken in progression-spring, then summer, and then fall.

CAREER OPPORTUNITIES IN HEALTH INFORMATION CODING

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 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.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Analyze medical terminology, diseases/disorders, diagnostic modalities, and treatment in medical record documentation to effectively convert written words into Current Procedural Terminology (CPT), International Classification of Diseases (ICD-10-CM) and Healthcare Common Procedure Coding System (HCPCS) codes;1.
2. Evaluate law and ethics as it relates to the business of medicine and the medical coding profession;
3. Interpret and apply coding guidelines and requirements to demonstrate correct coding using Current Procedural Terminology (CPT), International Classification of Diseases (ICD-10-CM) and Healthcare Common Procedure Coding System (HCPCS) manuals;
4. Use critical thinking to translate the highest level of specificity when selecting Current Procedural Terminology (CPT), International Classification of Diseases (ICD) and Healthcare Common Procedure Coding System (HCPCS) codes;
5. identify correct billing procedures/processes for medical insurance and third-party reimbursements;
6. identify coding errors and apply appropriate corrections prior to reporting to third party payers for healthcare services.

REQUIRED COURSES UNITS

Spring Semester

HIT 41	Medical Terminology for Medical Coding	
HIT 42	Introduction to Medical Coding and Health Information Management	2
HIT 43	Introduction to ICD Coding	2
HIT 44	Introduction to CPT Coding	2
HIT 45	Pathophysiology and Pharmacology for Medical Coding	4

Summer Semester

HIT 46	Legal and Ethical Aspects of Healthcare	3
MEDA 76	Electronic Health Record for the Medical Office	3

Fall Semester

HIT 47	Medical Insurance and Reimbursement Methodologies	3
HIT 48	Medical Coding 1	4
HIT 49	Medical Coding 2	4

Total Units **31**

COURSES

(NEW CREDIT COURSE)

41 MEDICAL TERMINOLOGY FOR MEDICAL CODING 4 UNITS

This course introduces the medical coder to medical terminology and the structure and function of the human body. The history, word roots, prefixes and suffixes, body planes, directional terms and common diagnoses and procedures are discussed. Medical abbreviations are acronyms are also reviewed. 72 hours lecture.

(NEW CREDIT COURSE)

42 INTRODUCTION TO MEDICAL CODING AND HEALTH INFORMATION MANAGEMENT 2 UNITS

Introduction to the medical coding profession and health information management, including health services organization and delivery methods; sources, collection, maintenance, and analysis of health data; structure and use, requirements and standards for health information; information systems This course will introduce the student to the different aspects of the business of medicine and provide a basic understanding of the healthcare system which is necessary for the medical coding profession. 36 hours lecture.

(NEW CREDIT COURSE)

43 INTRODUCTION TO ICD CODING 2 UNITS

Introduction and overview of nomenclature and classification systems, with focus on coding outpatient clinical information from medical records. Instruction in coding diagnoses, using International Classification of Diseases (ICD) manual, sequencing and coding conventions. Coding software applications introduced. The medical coding student will analyze medical documentation and operative reports to effectively report diagnosis codes. 36 hours lecture. **Strongly Recommended:** HIT 41 (completed with a grade of "C" or higher).

(NEW CREDIT COURSE)

44 INTRODUCTION TO CPT CODING 2 UNITS

Introduces the medical coder to the utilization of Current Procedural Terminology (CPT) and Healthcare Common Procedure Coding System (HCPCS) codes for hospital outpatient, physician, and other ambulatory services. Analysis of medical documentation and application of guidelines for coders and health information professionals. 36 hours lecture. **Strongly Recommended:** HIT 41 (completed with a grade of "C" or higher).

(NEW CREDIT COURSE)

45 PATHOPHYSIOLOGY AND PHARMACOLOGY FOR MEDICAL CODING 4 UNITS

Introduction to the fundamentals of pathophysiology, focusing on essential concepts of physiologic changes and altered functions in the human body resulting from disease processes. Diagnostic procedures, preventative measures and current treatment therapies will be introduced. Introduction to pharmacology and terms, concepts, drug categories and their uses, mechanisms of drug action, doses forms, routes of administration, and common drug names. 72 hours lecture. **Strongly Recommended:** HIT 41 (completed with a grade of "C" or higher).

(NEW CREDIT COURSE)

46 LEGAL AND ETHICAL ASPECTS OF HEALTHCARE 3 UNITS

Legal basis for the control, use, and release of health information; concepts of consent for treatment; Health Insurance Portability and Accountability Act (HIPAA) privacy and security rules; federal and state laws, and regulations governing the handling of special health information; ethical practices in health information; procedures used in responding to requests for health information. 54 hours lecture.

(NEW CREDIT COURSE)

47 MEDICAL INSURANCE AND REIMBURSEMENT METHODOLOGIES 3 UNITS

Introduction to the basics of medical insurance billing. Current payment methodologies in the inpatient, hospital outpatient, and physician office settings. Focus on compliance with regulatory requirements and common billing practices. 54 hours lecture.

(NEW CREDIT COURSE)

48 MEDICAL CODING 1 4 UNITS

Current Procedural Terminology (CPT), International Classification of Diseases (ICD-10-CM) and Healthcare Common Procedural Coding System (HCPCS) coding in an out-patient setting. Utilize rules, principles, guidelines, conventions, state and federal regulations, documentation requirements, electronic and manual coding applications to effectively code in ambulatory care settings. This course will focus on coding for integumentary, musculoskeletal, respiratory, hemic, lymphatic, cardiovascular, digestive and urinary systems. 72 hours lecture. **Prerequisite:** HIT 41 (completed with a grade of "C" or higher), HIT 43 (completed with a grade of "C" or higher), HIT 44 (completed with a grade of "C" or higher), and, HIT 45 (completed with a grade of "C" or higher).

(NEW CREDIT COURSE)

49 MEDICAL CODING 2 4 UNITS

Current Procedural Terminology (CPT), International Classification of Diseases (ICD-10-CM) and Healthcare Common Procedural Coding System (HCPCS) coding in an out-patient setting. Utilize rules, principles, guidelines, conventions, state and federal regulations, documentation requirements, electronic and manual coding applications to effectively code in ambulatory care settings. This course will focus on coding for reproductive, endocrine, and nervous systems as well as radiology, pathology, laboratory and medicine. 72 hours lecture. **Prerequisite:** HIT 41 (completed with a grade of "C" or higher), HIT 43 (completed with a grade of "C" or higher), HIT 44 (completed with a grade of "C" or higher), and, HIT 45 (completed with a grade of "C" or higher).

INTERIOR DESIGN (ID)

(REVISED CREDIT COURSE)

49 DIGITAL TOOLS FOR DESIGN AND VISUAL COMMUNICATION 4 UNITS

(See also ARCH 68)

Introduction to digital tools with computer-aided design drafting. Students will develop the ability to effectively use basic design principles in two dimensions. Topics include command basics including drawing entity creation and modification, industry layering standards, text and dimensioning systems appropriate to architecture, creating symbol libraries, external reference techniques, model and paper space commands, and plotting techniques. May not receive credit if ID 49 has been completed. 54 hours lecture. 54 hours laboratory.

MACHINE TOOL TECHNOLOGY (MTT)

(CORRECTION)

MACHINE TOOL TECHNOLOGY ASSOCIATE IN SCIENCE

The Tool Maker two-year program is designed to train students for a tool and die making career. Graduates are trained in tool and die making, computerized numerical control (CNC) machining, computer-aided manufacturing, computer-aided drafting and design, and are capable of learning new skills with minimum instruction. Students are expected to have an appreciation of precise work and a desire to observe the progression of complex parts. Students use a variety of computer software applications to draw, design, and program CNC machines, and application work focuses on jigs, fixtures, and punch and die work.

CAREER OPPORTUNITIES IN MACHINE TOOL TECHNOLOGY

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, 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.

PROGRAM LEARNING OUTCOMES

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.

REQUIRED COURSES UNITS

Freshman Year		Units
MTT 50	Blueprint Reading and Introduction to CAD	3
MTT 60A	Machine Tool Technology I	4
MTT 60B	Machine Tool Technology II	4
MTT 71A	Numerical Control Program I	4

Sophomore Year		Units
MTT 65	Basic Toolmaking	4
MTT 66	Production Practices	4
MTT 81B	Surfcam	3
	or	
MTT 81C	Mastercam X	3
WELD 70	Introduction to Welding	2

General Education Units for A.S. Degree

For specific A.S. General Education courses refer to catalog section on A.S. Graduation Requirements.

REQUIRED MAJOR SPECIFIC G.E. REQUIREMENT.

Complete a minimum of 3 units from the following.

INDT 74	Measurements and Calculations	3
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The above listing is a suggested sequence only. Some courses may have prerequisites. Students may take courses in any sequence except where a prerequisite applies.

Unit Calculation	Units
Major Requirements	28
General Education	19
Electives: Degree applicable units as needed	
Total Units	60

MASS COMMUNICATIONS (MCOM)

(CORRECTION)

MASS COMMUNICATIONS ASSOCIATE IN ARTS DEGREE

In pursuing this degree, students will gain knowledge and hands-on experience in radio, television, print and online journalism. Students who successfully complete the program will be able to use their knowledge and experience or seek job entry in one of the media fields.

CAREER OPPORTUNITIES IN MASS COMMUNICATIONS

In our rapidly changing society and economy, the skills associated with communications-based learning is recognized by many employers as mandatory for market success. More and more businesses and occupations prefer to hire employees who possess strong communication skills. While many media careers require at least a bachelor's degree, an associate's degree in Mass Communications opens the door to some entry-level careers. A Mass Communications major prepares students to go into a variety of fields, including careers in: advertising, broadcasting, camera operator, content developer, copy-editor, corporate communications, director, DJ, editor, journalist, lighting technician, media relations, news producer, online media, photographer, production design, production management, promoter, public relations, radio/TV professional, reporter, videographer and writer.

If you want to finish your degree quickly and start working, an associate's degree in Mass Communications can be a good way to begin your career. In some cases, you can use the credits you earn for your associate's degree in Mass Communications to transfer to a four-year school and earn a bachelor's degree, opening up more career options. A strong background in communication is also looked upon favorably by four-year universities when evaluating applicants.

PROGRAM LEARNING OUTCOMES

1. Demonstrate knowledge of the history, processes, and structure of a variety of media, including the ability to exercise critical judgment in the evaluation of media productions.
2. Demonstrate understanding of ethical mass media practices, including standards, conventions, and principles.

REQUIRED COURSES	UNITS
MCOM 20 Journalism: Reporting and Newswriting	3
MCOM 40 Introduction to Broadcasting	3
MCOM 41 Introduction to Mass Communications	3
MCOM 50 Radio Studio Techniques	3
MCOM 60 TV Studio Production I	3
MCOM 21 Student Media Publication I	3
MCOM 42 Writing for Broadcasting	3
MCOM 43 Advertising Sales & Media Management	3
MCOM 44 Radio & Television Announcing	3

List A (Choose 1 course):

MCOM 22 Newspaper Production II	3
MCOM 56 Introduction to KCRH Radio Experience	4
MCOM 61 Television Studio Techniques II	3

Unit Calculation	Units
Major Requirements	30 - 31
General Education	25
Electives: Degree applicable units as needed	

Total Units	60
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MATHEMATICS (MTH)

(REVISED CREDIT COURSE)

3 MULTIVARIABLE CALCULUS 5 UNITS

Vector valued functions, functions of several variables, partial differentiation, multiple integration, change of variables theorem, scalar and vector fields, gradient, divergence, curl, line integral, surface integral, Theorems of Green, Stokes and Gauss, applications. 90 hours lecture. **Prerequisite:** MTH 2 (completed with a grade of "C" or higher).

(REVISED CREDIT COURSE)

44 MATHEMATICS FOR DEMOCRACY 3 UNITS

An introductory study of the mathematics used in politics, in order to understand and contextualize the political processes. Topics include statistics, polling, voting, apportionment, redistricting, and gerrymandering. 54 hours lecture. 18 hours laboratory. **Prerequisite:** MTH 55 (completed with a grade of "C" or higher) or , MTH 55B (completed with a grade of "C" or higher) or, MTH 54L (completed with a grade of "C" or higher) or, MTH 54 (completed with a grade of "C" or higher). or, MTH 53B (completed with a grade of "C" or higher). or MTH 53 (completed with a grade of "C" or higher). or equivalent or appropriate placement through the Mathematics Placement process. **Strongly Recommended:** POSC 1 (completed with a grade of "C" or higher). or, ES 1 (completed with a grade of "C" or higher). or concurrent or prior enrollment in any introductory course in the social sciences. **Advisory:** This course does not meet the statistics requirement of some majors (e.g., Psychology, Sociology, Economics, and Business).

(REVISED CREDIT COURSE)

122 MATH LAB

0.5 - 1 UNIT

Provides mathematics students an opportunity to build/maintain mathematics skills with tutorial assistance from an instructor, student tutors, and/or fellow classmates. Students may also use a software program and work on problems at their own pace through active participatory experience. 27-54 hours laboratory.

MEDICAL ASSISTING (MEDA)

(CHANGE FROM AA TO AS DEGREE)

MEDICAL ASSISTING ASSOCIATE IN SCIENCE (AS)

The Medical Assisting Associate of Science degree requirement includes the Medical Assisting Certificate of Achievement which is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) 1361 Park Street, Clearwater, Florida 33756, (727) 210-2350, www.caahep.org, upon recommendation of the Medical Assisting Education Review Board (MAERB) of the American Association of Medical Assistants' Endowment (AAMAE). Completion of this program qualifies the student to take the National Certification examination CMA-(AAMA®)-Certified Medical Assistant Exam. Students are also eligible to take the Registered Medical Assisting Exam - RMA (AMT) through the American Medical Technologists and the Medical Assistant Certification Exam - CCMA (NHA) through the National Healthcareer Association. Graduates of the Medical Assisting programs at Chabot College will have an opportunity to apply for employment as entry level Medical Assistants in an ambulatory care setting. Medical Assistants are multi-skilled allied health professionals who can perform a variety of administrative and clinical skills.

CAREER OPPORTUNITIES IN MEDICAL ASSISTING

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.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. To prepare competent entry-level professional medical assistants in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains. *
2. To be responsive to the communities of interest that are served by the program to include, but are not limited to, students, graduates, faculty, sponsor administration, industry partners, physicians, and the public.
3. Employ principles of communication theory to facilitate and maintain effective, verbal, written and non verbal interaction

REQUIRED COURSES		UNITS
YEAR ONE (Semester 1)		
HLTH 51A	Medical Terminology & the Human Body	4
PSY 1	General Psychology	3
NUTR 1	Introduction to Nutrition Science	3
	or	
NUTR 6	Nutrition for Healthy Living	3
YEAR ONE (Semester 2)		
BIOL 50	Anatomy and Physiology	4
HLTH 51B	Advanced Medical Terminology and Disease Process	4
MEDA 60	Introduction to Medical Assisting	2
YEAR TWO (Semester 3)		
MEDA 70A	Clinical Skills For the Medical Assistant I	3
MEDA 71A	Administrative Skills I	2
MEDA 75	Administration of Medications for the Medical Assistant	3
MEDA 76	Electronic Health Record for the Medical Office	3
YEAR TWO (Semester 4)		
MEDA 70B	Clinical Skills For the Medical Assistant 2	3
MEDA 71B	Administrative Skills II	2
MEDA 73	Clinical Experience Practicum	4
MEDA 74	Clinical Experience Seminar	1
Semester 4 involves Clinical experience. Prior to clinical experience the student must submit a medical exam and immunization records. A background check and drug screen may also be required. The CPR card required is the Basic Life Support (BLS) for Healthcare Providers from the American Heart Association that may be obtained through Chabot College or an off campus provider.		
General Education courses		
For specific General Education courses refer to catalog section on A. S. Graduation Requirements		
Major Specific General Education		
CAS 50	Introduction to Computer Application Systems	3
	or	
CSCI 8	Computer Literacy	3
To progress in the Medical Assisting Certificate Program and to graduate from the program, students must earn a minimum grade of "C" in each course.		
*All MAERB Core Curriculum Competencies (psychomotor and affective) must be performed and assessed. Each competency must be passed with a 90% or better overall. All critical steps (if applicable) within each competency must be completed successfully or will result in an automatic fail. Each competency can be performed and assessed a second time if first attempt is not passed successfully. Failure to perform and pass all MAERB Core Curriculum Competencies (psychomotor and affective) will result in a course failure.		
Unit Calculations		
	Major Requirements	41
	General Education	19
	Electives: Degree applicable units as needed	
Total Units		60

(UPDATED COURSES)
MEDICAL ASSISTING
 CERTIFICATE OF ACHIEVEMENT (COA)

The Certificate Program in Medical Assisting is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) 1361 Park Street, Clearwater, Florida 33756, (727) 210-2350, www.caahep.org, upon recommendation of the Medical Assisting Education Review Board (MAERB) of the American Association of Medical Assistants' Endowment (AAMAE). Completion of this program qualifies the student to take the National Certification examination CMA-(AAMA®)-Certified Medical Assistant Exam. Students are also eligible to take the Registered Medical Assisting Exam - RMA (AMT) through the American Medical Technologists and the Medical Assistant Certification Exam - CCMA (NHA) through the National Healthcareer Association. Medical Assistants are multi-skilled allied health professionals who can perform a variety of administrative and clinical skills.

CAREER OPPORTUNITIES IN MEDICAL ASSISTING

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.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. To prepare competent entry-level professional medical assistants in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains.*.
2. To be responsive to the communities of interest that are served by the program to include, but are not limited to, students, graduates, faculty, sponsor administration, industry partners, physicians, and the public.
3. Employ principles of communication theory to facilitate and maintain effective, verbal, written and non verbal interaction

REQUIRED COURSES **UNITS**

Prerequisites	
HLTH 51A Medical Terminology & the Human Body	4
MEDA 60 Introduction to Medical Assisting	2

Must pass with a "C" or better to enter the Medical Assisting program.

Courses to be completed first or second semester	
MEDA 76 Electronic Health Record for the Medical Office	3
CAS 50 Introduction to Computer Application Systems	3
or	
CSCI 8 Computer Literacy	3

First Semester	
MEDA 70A Clinical Skills For the Medical Assistant I	3
MEDA 71A Administrative Skills I	2
MEDA 75 Administration of Medications for the Medical Assistant	3

Second Semester	
HLTH 51B Advanced Medical Terminology and Disease Process	4
MEDA 70B Clinical Skills For the Medical Assistant 2	3
MEDA 71B Administrative Skills II	2
MEDA 73 Clinical Experience Practicum	4
MEDA 74 Clinical Experience Seminar	1

Semester 2 involves Clinical experience. Prior to clinical experience the student must submit a medical exam and immunization records. A background check and drug screen may also be required.

The CPR card required is the Basic Life Support (BLS) for Healthcare Providers from the American Heart Association that may be obtained through Chabot College Community or an off campus provider.

To progress in the Medical Assisting Certificate Program and to graduate from the program, students must earn a minimum grade of "C" in each course.

***All MAERB Core Curriculum Competencies (psychomotor and affective) must be performed and assessed. Each competency must be passed with a 90% or better overall. All critical steps (if applicable) within each competency must be completed successfully or will result in an automatic fail. Each competency can be performed and assessed a second time if first attempt is not passed successfully. Failure to perform and pass all MAERB Core Curriculum Competencies (psychomotor and affective) will result in a course failure.**

Total Units	34
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COURSES

(UPDATED PREREQUISITES)
70A CLINICAL SKILLS FOR THE MEDICAL ASSISTANT I 3 UNITS

Introduction to the clinical role of the Medical Assistant. Includes basic and advanced skills which are utilized when assisting the physician and performing direct patient care. Theory and skills include performing within the scope of practice, vital signs, documentation, preparing and assisting with medical examinations, OSHA regulations, electrocardiograms, sterile technique and first aid. 36 hours lecture. 54 hours laboratory.
Prerequisite: HLTH 51A (completed with a grade of "C" or higher), MEDA 60 (completed with a grade of "C" or higher). and Strongly Recommended: CAS 50 or CSCI 8 may be taken concurrently if not completed prior. **Corequisite:** MEDA 71A and, MEDA 75.

(UPDATED COREQUISITES)

70B CLINICAL SKILLS FOR THE MEDICAL ASSISTANT 2 3 UNITS

Continuation of Medical Assisting 70A. Basic and advanced clinical skills common to medical offices and clinics. Use of advanced clinical skills while assisting the physician and performing direct patient care. Skills include venipuncture, capillary punctures, CLIA waived laboratory tests, assisting with specialty exams, pharmacology for systems, and pediatric exams and documentation. 36 hours lecture. 54 hours laboratory. **Prerequisite:** HLTH 51A (completed with a grade of "C" or higher). and, MEDA 70A (completed with a grade of "C" or higher). and, MEDA 75 (completed with a grade of "C" or higher).. **Strongly Recommended:** HLTH 51B may be taken concurrently if not completed prior. **Corequisite:** MEDA 71B and, MEDA 73 and, MEDA 74.

(UPDATED COREQUISITES)

71A ADMINISTRATIVE SKILLS I 2 UNITS

Administrative Medical Assisting skills and theory to include the healthcare industry, the medical assisting profession, interpersonal skills and human behavior, law and ethics, computer concepts, telephone techniques, scheduling appointments, patient reception and processing, office/clinic environment and daily operations, written communication and mail processing, medical record management. 18 hours lecture. 54 hours laboratory. **Prerequisite:** HLTH 51A (completed with a grade of "C" or higher).., MEDA 60 (completed with a grade of "C" or higher).. **Corequisite:** MEDA 70A and, MEDA 75.

(REVISED CREDIT COURSE)

71B ADMINISTRATIVE SKILLS II 2 UNITS

Administrative Medical Assisting skills and theory which include medical coding, health insurance, billing, collections, practice finances, confidentiality and development of life skills. This course also includes resume writing and job search techniques. 18 hours lecture. 54 hours laboratory. **Prerequisite:** MEDA 71A (completed with a grade of "C" or higher).

(REVISED CREDIT COURSE)

75 ADMINISTRATION OF MEDICATIONS FOR THE MEDICAL ASSISTANT 3 UNITS

Introduction to pharmacology fundamentals. Medication administration including study of medications, drug research, drug therapy, immunizations and skin tests. Safe preparation, administration, and documentation of medication given by oral, sublingual, inhalation, topical, vaginal, rectal, transdermal, intramuscular, subcutaneous and intradermal routes. 36 hours lecture. 54 hours laboratory. **Prerequisite:** HLTH 51A (completed with a grade of "C" or higher).. **Corequisite:** MEDA 70A and, MEDA 71A and, MEDA 76. **Strongly Recommended:** CAS 50 or, CSCI 8

(NEW CREDIT COURSE)

76 ELECTRONIC HEALTH RECORD FOR THE MEDICAL OFFICE 3 UNITS

To prepare the student medical assistant, or any health care professional, to work within an electronic health record (EHR) and practice management software (PMS). This course will provide the knowledge and skills to understand and apply practical applications in the Electronic Health Record, managing the revenue cycle, and documenting patient encounters. As most of the healthcare industry uses electronic health records, this is a valuable course to become familiar with the data that is entered into the medical record and practice management software, how that data is entered and how the data is reviewed and processed throughout all departments of a medical practice. 27 hours lecture. 81 hours laboratory.

MUSIC APPLIED (MUSA)

(REVISED CREDIT COURSE)

21A PIANO I 1 UNIT

Beginning piano. Contemporary and classic approaches to playing piano using basic scales, chords and music notation. 72 hours laboratory. **Strongly Recommended:** MUSL 6 (completed with a grade of "C" or higher).

(REVISED CREDIT COURSE)

21B PIANO II 1 UNIT

Development of skills in piano performance, notation, literature. Emphasis on further development of technique and performance. 72 hours laboratory. **Prerequisite:** MUSA 21A (completed with a grade of "C" or higher).

MUSIC LITERATURE (MUSL)

(UPDATED COURSES)

MUSIC

ASSOCIATE IN ARTS FOR TRANSFER (AA-T)

The Associate in Arts in Music for Transfer Degree offers students a general study in music. This liberal arts degree prepares students for study as an upper division student junior by combining the theoretical concepts with practical skill building courses to prepare the student with competency in the major. An entrance audition is required for this degree. The courses in this degree focus on harmony and musicianship, applied studio and performance. Recipients of the Associate in Arts in Music for Transfer Degree are guaranteed admissions into a Bachelor's of Arts degree in Music (B.A.) with junior standing at a campus of the California State University system. All students must complete the core classes and then perform a capstone jury in preparation for transfer. All students must also: complete 60 semester units that are transferable to the California State University, to include: The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education Breadth requirements, a minimum of 18 semester units in a major or area of emphasis, grades of "C" or better in all courses required for the major, and earn a minimum cumulative grade point average of 2.0.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

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.

REQUIRED COURSES (24 UNITS)

Theory Courses

	Units
MUSL 2A Harmony and Musicianship I	4
MUSL 2B Harmony and Musicianship II	4
MUSL 2C Harmony and Musicianship III	4
MUSL 2D Harmony and Musicianship IV	4

Applied Music (4 semesters @ 1 unit each)

MUSA 40 Applied Lessons	1
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Large Ensemble (4 semesters @ 1 unit each)

MUSP 10 Orchestra	1
MUSP 12 Wind Ensemble	1
MUSP 13 Wind Symphony	1
MUSP 14 Jazz Lab	1
MUSP 15 Jazz Ensemble	1
MUSP 16 Jazz Orchestra	1
MUSP 44 Concert Choir	1
MUSP 45 Chamber Choir	1

Unit Calculations

Major Requirements	24
General Education	CSU GE 39 IGETC 37

Electives: degree applicable as needed

Total Units	60
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MUSIC PERFORMANCE (MUSP)

(REVISED CREDIT COURSE)

16 JAZZ ORCHESTRA 1 UNIT

May be repeated 3 times

Jazz Orchestra is a performance organization that rehearses and performs a variety of contemporary jazz literature. Students develop ability to play various jazz styles, sight read, improvise, and play both as members of a section and as soloists. The orchestra plays various concerts and festivals. Opportunities to rehearse the orchestra as well as conduct. Enrollment by audition only. 54 hours laboratory.

MUSIC RECORDING TECHNOLOGY (MURT)

(NEW CERTIFICATE)

MUSIC TECHNOLOGY & PRODUCTION ASSOCIATE IN ARTS

The A.A. in Music Technology & Production is designed for degree-seeking students who are looking for a hands-on education that will provide them with a strong foundation for employment in the largely freelance professional music & audio industry. This broad range of study in a variety of areas within the field will provide students a dynamic basis from which to discover their own unique pathway into the music industry.

CAREER OPPORTUNITIES IN MUSIC TECHNOLOGY & PRODUCTION

This program, 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: sound engineering technicians, audio equipment technicians, music producer/composer, artist management, concert promotion, sound design & game audio, audio for visual media, and performing musician. As such, the Music Recording & Technology program at Chabot College seeks to provide students with a broad, dynamic package of courses and completion options.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Students will learn and implement the fundamental technical skills upon which to build a meaningful professional pathway into the music industry
2. Students will cultivate an essential aesthetic basis upon which to make artistically viable, personally meaningful musical decisions.
3. Students will practice and demonstrate professional behaviors required in the music industry.

Required Core Courses

	Units
MURT 20 Digital Audio Workstation	3
MURT 21 Audio Recording I	3
MURT 22A Electronic Music I	3
MURT 25 Live Concert Sound	1
MURT 26 Music Business and the Law	3
MURT 50 Music Industry Internship	1
MUSL 8 History of Rock and Roll and Popular Music	3
MUSL 28 Musical Structure & Songwriting	3

List A (choose 1 course):

MURT 22B Electronic Music II	3
MURT 23 Audio Recording II	3

List B (choose 1 course):

MURT 24 Advanced Mixing Techniques	3
MURT 31 Sound Design	3

List C (choose 1 course):	
MUSL 2A Harmony and Musicianship I	4
MUSL 6 Basic Music Skills	3

List D (choose 1 course):	
MUSA 20A Guitar I	1
MUSA 21A Piano I	1
MUSA 22A Jazz Piano and Musicianship I	1

Unit Calculations	Units
Major Requirements	30 - 31
General Education Requirements	25
Electives (Degree applicable courses as needed)	

Total Units	60
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(NEW CERTIFICATE)
AUDIO RECORDING
 CERTIFICATE OF ACHIEVEMENT

The Certificate of Achievement in Audio Recording is designed for students who want to learn how to record and mix sounds in a variety of different applications. Students will learn the basics of recording hardware and software and will work in an extremely hands-on environment with abundant opportunities to engage in actual recording sessions. Housed in the state-of-the-art Chabot College recording studio & technology lab, this program offers a streamlined, efficient pathway for emerging audio engineers to establish a solid foundation of technical and aesthetic knowledge to begin working in the largely freelance and project-based creative music industry.

CAREER OPPORTUNITIES IN AUDIO RECORDING

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.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Develop and implement the fundamental technical skills upon which to build a meaningful professional pathway into the music industry
2. Cultivate an essential aesthetic basis upon which to make artistically viable, personally meaningful musical decisions
3. Practice and demonstrate professional behaviors required in the music industry.

Required Courses	Units
MURT 20 Introduction to Music Technology	3
MURT 21 Audio Recording I	3
MURT 23 Audio Recording II	3
MURT 24 Advanced Mixing Techniques	3
MURT 25 Live Concert Sound	1
MUSL 8 History of Rock and Roll and Popular Music	3

Total Units	16
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(NEW CERTIFICATE)
MUSIC PRODUCTION
 CERTIFICATE OF ACHIEVEMENT

The Certificate of Achievement in Music Production is designed for musicians and songwriters who want to develop their creative skills while learning how to use current technologies to make music. This is a hands-on certificate program in which students will be constantly required to make sounds, create music and work on their craft. Housed in the state-of-the-art Chabot College recording studio & technology lab, this program offers a streamlined, efficient pathway for emerging musicians to establish a solid foundation of technical and aesthetic knowledge to begin working in the largely freelance and project-based creative music industry.

CAREER OPPORTUNITIES IN MUSIC PRODUCTION

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.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Develop and implement the fundamental technical skills upon which to build a meaningful professional pathway into the music industry
2. Cultivate an essential aesthetic basis upon which to make artistically viable, personally meaningful musical decisions
3. Practice and demonstrate professional behaviors required in the music industry.

Required Courses	
MURT 20 Introduction to Music Technology	3
MURT 22A Electronic Music I	3
MURT 22B Electronic Music II	3
MURT 31 Sound Design	3
MUSL 28 Musical Structure & Songwriting	3
MUSA 20A Guitar I	1
or	
MUSA 21A Piano I	1
or	
MUSA 22A Jazz Piano and Musicianship I	1

Total Units	16
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(REVISED CREDIT COURSE)

20 INTRODUCTION TO MUSIC TECHNOLOGY 3 UNITS

Fundamentals of digital audio manipulation, recording and production within industry-standard digital audio workstation software. Focus on essential functionality and technical proficiency within audio platforms such as Avid ProTools and Ableton LIVE. Introduction to MIDI sequencing, digital signal processing and audio editing. 36 hours lecture. 72 hours laboratory.

(REVISED CREDIT COURSE)

26 MUSIC BUSINESS 3 UNITS

This course presents an overview of the business and legal aspects of the music industry. Topics include: career paths, record contracts, publishing, licensing, distribution, and copyright. In addition, the duties and responsibilities of producers, agents, managers, promoters, and performing artists will be examined. 54 hours lecture. 18 hours laboratory.

(DEACTIVATED COURSE)

28 MUSIC INDUSTRY CAREER DEVELOPMENT

3. Practice within the profession's ethical and legal framework.
4. Use critical thinking skills in decisions related to managing care for groups of clients.
5. Respond to the demands of rapidly changing information technology by incorporating computer literacy in health care delivery and utilizing the internet for research.

ADDITIONAL NURSING PROGRAM INFORMATION

Graduates of this program receive an Associate in Science degree in Nursing.

Note: The Board of Registered Nursing requirements supersede catalog rights for graduation.

NURSING (NURS)

(CHANGE FROM AA TO AS DEGREE)

**NURSING
ASSOCIATE IN SCIENCE (AS)**

The Nursing Program is approved by the California Board of Registered Nursing. Upon completion of the major, the graduate is eligible to take the Registered Nursing Licensing Examination (NCLEX-RN). The program prepares graduates who can contribute to the advancement of nursing science and influence changes in a variety of settings within the health care system. The graduate possesses a repertoire of knowledge, skills, and attributes that serve as the foundation for safe, competent practice and lifelong learning. SPECIAL APPLICATION REQUIRED

CAREER OPPORTUNITIES IN NURSING

Based on the Labor Market Research data from May 2019 there is a projected annual gap of about 3,929 students in the Bay region. Job outlook for RN's is very promising. Some students must look outside the Bay Area to more rural cities for employment. Once they have at least one year experience it is easier to gain employment in the Bay Area. As a Registered Nurse you can work in the following areas: Intensive Care Unit (ICU), hospital unit, Oncology, Medical/Surgical unit, Operating Room, Case Manager, Home Health, Emergency Room, Pediatrics, Labor and Delivery, Psychiatric unit or be a traveling nurse.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

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.

REQUIRED COURSES UNITS

Program Prerequisites Units

ANAT 1	General Human Anatomy	5
PHSI 1	Human Physiology	5
MICR 1	Microbiology	5
There is a 7 year recency requirement for the science prerequisite courses and a minimum of 2.5 GPA. Science courses must have a lab component and online labs will not be accepted. Science courses must be a minimum of 4 semester or 5 quarter units.		
SOCI 1	Principles of Sociology	3
PSY 1	General Psychology	3
COMM 1	Fundamentals of Speech Communication	3
	or	
COMM 10	Interpersonal Communication	3
ENGL 1	Critical Reading and Composition	4

Nursing Program Courses - Year One

NURS 55	Fundamentals of Nursing Practice	9
NURS 51	Maternity Nursing	4
NURS 52	Pediatric Nursing	4
NURS 88	Pathophysiology	3

To progress and graduate from the Nursing Program, students must earn a minimum grade of "C" in each nursing course.

Nursing Program Courses - Year Two

NURS 64	Pharmacology for Professional Nurses	3
NURS 60A	Adult Health I	4
NURS 53	Mental Health Nursing	4
NURS 73	Intravenous Therapy Lab	0.5
NURS 60B	Adult Health II	6
NURS 60C	Adult Health III	3.5

For specific GE courses refer to catalog section of A.S. Graduation Requirements. Students with a BA/BS degree or higher from US regionally accredited colleges or universities are exempt from Chabot GE/Graduation requirements.

MAJOR SPECIFIC G.E. REQUIREMENT: Complete a minimum of 3 units from:

ENGL 4A	Critical Thinking and Writing about Literature	4
ENGL 7A	Critical Thinking and Writing across Disciplines	4

Recommended Courses for a BSN

MTH 43	Introduction to Probability and Statistics	4
	or	
PSY 5	Introductory Statistics for the Behavioral and Social Sciences	4
NUTR 1	Introduction to Nutrition Science	3

Nutrition is not required in all BSN programs

ENGL 1A, 4 and 7 are being deactivated but will still be counted if already taken.

Unit Calculations

Major Requirements	41
General Education	19
Elective Units (Degree applicable units as needed)	

Total Units **60**

COURSES

(UPDATED CATALOG DESCRIPTION)

73 INTRAVENOUS THERAPY LAB 0.5 UNIT

This lab course allows the nursing student to safely insert a peripheral intravenous cannula using sterile technique. This skill is used by RN's in the workplace. Student will be observed closely and after demonstrating competency will pass this course. 27 hours laboratory. **Prerequisite:** NURS 55 or, NURS 70 (completed with a grade of "C" or higher).

(DEACTIVATED COURSE)

77 PHYSICAL ASSESSMENT

(UPDATED CATALOG DESCRIPTION)

80 TEST TAKING SKILLS FOR NURSING STUDENTS 0.5 UNIT

Practice in answering multiple-choice, fill in the blank and multiple option questions related to nursing. Will allow student to be more successful in the nursing program when taking exams. 9 hours lecture. **Prerequisite:** Admission to the nursing program.

(UPDATED CATALOG DESCRIPTION)

82 PEDIATRIC NURSING THEORY 2 UNITS

Emphasis is placed on the use of the nursing process in promoting adaptive processes necessary for coping with the health issues of infants, children and adolescents. Theory includes integration of assessment skills, growth and development, family abuse issues, nutrition, pharmacological concepts, ethical issues, and teaching strategies unique to child-rearing families. Total weeks-9. 36 hours lecture. **Prerequisite:** NURS 70 and/or Valid California LVN license.

(REVISED CREDIT COURSE)

88 PATHOPHYSIOLOGY 3 UNITS

Pathophysiological processes in selected disease states in the following systems of the human body: endocrine, renal, cardiovascular, pulmonary, gastrointestinal, and neurological. Purpose and results of supporting laboratory, radiological, and other appropriate diagnostic studies used in confirming the presence or absence of the selected disease states will be explored. 54 hours lecture. **Prerequisite:** Concurrent enrollment or completion of NURS 55 Fundamentals of Nursing Concurrent enrollment or completion of NURS 70.

(REVISED CREDIT COURSE)

90 NCLEX EXAM PREPARATION- TEST TAKING SKILLS AND STRATEGIES 0.5 UNIT

This course prepares the nursing student to think critically and answer multiple format questions that are similar to the NCLEX-RN exam. 9 hours lecture. **Prerequisite:** NURS 60B (completed with a grade of "C" or higher).

PHYSICAL EDUCATION ACTIVITY (PEAC)

(RENAMED COURSE)

HTA2 INTERMEDIATE GUTS AND BUTTS WORKOUT 0.5-2 UNITS

Strenuous exercises to tone, strengthen and reduce the abdominal, buttocks and thigh regions. 27-108 hours laboratory. **Prerequisite:** PEAC HTA1

(RENAMED COURSE)

HTA3 ADVANCED GUTS AND BUTTS WORKOUT 0.5-2 UNITS

This an advanced course designed to strengthen, reduce and tone the "core" region of the body through various exercises and techniques. The core region includes: hips, thighs and buttocks; abdominals & obliques; and lower back. A variety of strength and flexibility exercises for these specific muscle body groups will be presented. 27-108 hours laboratory. **Prerequisite:** PEAC HTA2 (completed with a grade of "C" or higher).

(RENAMED COURSE)

HTA4 EXTREME GUTS AND BUTTS WORKOUT 0.5-2 UNITS

This course is designed to provide an extreme high intensity interval functional workout for the whole body. 27-108 hours laboratory. **Prerequisite:** PEAC HTA3 (completed with a grade of "C" or higher).

(RENAMED COURSE)

WEE2 INTERMEDIATE GET BUFF & STRONG WITH WEIGHTS 0.5-2 UNITS

Time flexible weight training course designed to further the student's knowledge of resistance training for health and well being. 27-108 hours laboratory. **Prerequisite:** PEAC WEE1 (completed with a grade of "P" or higher) or, PEAC FUN1 (completed with a grade of "P" or higher) or, PEAC WE11 (completed with a grade of "P" or higher) or, PEAC WOW1 (completed with a grade of "P" or higher)

PARALEGAL STUDIES (PLGL)

(REVISED DEGREE)

PARALEGAL STUDIES CERTIFICATE OF ACHIEVEMENT (COA)

The Certificate of Achievement in Paralegal Studies is intended to prepare students for employment as a paralegal for various legal sectors. The Paralegal Studies program introduces students to the fundamentals of the paralegal profession to enhance the ability of students to reason, understand and apply correct principles of law by teaching analytical and critical thinking skills. Students examine the practical application of paralegal related job skills, including preparing forms and pleadings, interviewing clients and witnesses, legal research and document organization. The following is required for the Certificate of Achievement in Paralegal Studies: a. Completion of a minimum of 24 designated units - the paralegal program at Chabot College meets the requirements of California Business and Professions code 6450. b. Minimum grade point average (GPA) of a least 2.0 in all paralegal-related coursework. c. All courses in the certificate must be completed with a grade C or better.

CAREER OPPORTUNITIES IN PARALEGAL STUDIES

Students will be prepared for careers as a: paralegal, legal assistant, or research assistant. Labor Market data shows a significant undersupply of Paralegals and Legal Assistants compared to the demand for this occupation in the Bay region and in the East Bay sub-region (Alameda and Contra Costa Counties). There is a projected annual gap of about 750 students annually in the Bay region and 257 students annually in the East Bay sub-region. Potential employers of paralegals and legal assistants include law offices, state and federal government agencies, finance and insurance companies, and regulatory agencies. In addition, as California law firms struggle to find qualified paralegals and legal assistants, these jobs might prove to be a path to law school. Some law offices offer tuition reimbursement and other financial assistance to paralegals pursuing a law degree.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Develop the analytical thinking and professional skills necessary to work as a paralegal or legal assistant by an attorney, law office, governmental agency, or other legally related entity.
2. Identify and apply correct principles of law and work effectively within the legal industry.
3. Emphasize practical application of essential paralegal skills such as conducting legal research, calendaring, drafting legal documents and legal memoranda.

REQUIRED COURSES (24 UNITS)

UNITS

Semester One

PLGL 30	Introduction to Paralegal Studies	3
PLGL 31	Legal Writing and Research	3
PLGL 32	Litigation and Civil Procedure	3
PLGL 33	Computer Application and E-Discovery for Paralegals	3

Semester Two

PLGL 34	Professional Responsibility and Ethics	3
PLGL 35	Advanced Legal Writing and Research	3
PLGL 36	Contract Law	3
PLGL 37	Tort Law	3
	or	
ADMJ 60	Criminal Law	3

Total Units **24**

PHILOSOPHY (PHIL)

(NEW DEGREE)

PHILOSOPHY ASSOCIATE IN ARTS FOR TRANSFER (AA-T)

What is philosophy? Philosophy is an activity rather than a set of beliefs. It is thinking critically, systematically, and creatively about fundamental and important questions about knowledge, values, and reality that include the following and more: What do I know, and how do I know it? What is justice? Does God exist? Do I have free will? What is the nature of the mind and self? In addition to preparing one for advanced study in the discipline, the Chabot Philosophy Program enriches its students with the ultimate transferable and portable job skills needed in the fields of law, medicine, business, education, public service, film-making, writing, and tech. Students who successfully complete the AA-T in Philosophy earn specific guarantees for transfer to the CSU system: admission to a CSU with junior status and priority admission a local CSU campus and to a program or major in philosophy or a similar major. Students transferring to a CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. Students are required to complete 60 semester units that are eligible for transfer to a California State University, including one of the following: (1) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements and (2) 18-19 semester units with a grade of C or P or better in the major and an overall minimum grade point average (GPA) of at least 2.0 in all CSU transferable coursework.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Convey understanding of major philosophical questions, theories, and concepts in the areas of metaphysics (nature of reality), epistemology (knowledge), and axiology (value theory).
2. Reconstruct, analyze, and evaluate arguments for and against major philosophical positions.
3. Explicate and analyze globally significant texts from the history of philosophy.
4. Employ the methods of philosophical inquiry, especially the principles of logic (formal & informal) and critical thinking.
5. Demonstrate proficiency in portable language skills, including listening and reading carefully and critically, speaking articulately, and -- most importantly-- proficiency in philosophical writing, which includes presenting & supporting a philosophical thesis, articulating & responding to objections, and in general, writing in a way that is clear, precise, coherent, concise, well-organized, effective, and valuable.
6. Demonstrate philosophical virtues, including being open-minded, imaginative, appropriately skeptical, intellectually humble, charitable, incisive, and truth & justice-seeking.

Required Core: Select 2 (6 units)	Units
PHIL 55 Symbolic Logic	3
PHIL 50 Introduction to Philosophy	3
or	
PHIL 60 Introduction to Philosophy: Ethics	3

List A: Select 1 (3 units)

Any required core course not already used.	3
PHIL 65 Introduction to Philosophy: Theory of Knowledge	3
PHIL 70 Introduction to Political and Social Philosophy	3
RELS 65 Religions of Asia	3

List B: Select 2 (6 units) Any List A course not already used.

HIS 1 History of Western Civilization to 1600	3
HIS 2 History of Western Civilization Since 1600	3

List C: Select 1 (3-4 units)

Any List A or List B course not already used.	3
BUS 10 Business Law	4
ADMJ 60 Criminal Law	3
RELS 50 Religions of the World	3
RELS 64 The Nature of Islam	3
RELS 70 Spiritual Traditions and Contemporary Voices	3
HUMN 50 The Artful Life	3
HUMN 60 Creativity and the Community	3
HUMN 65 The American Style	3
HUMN 68 World Mythology	3
ES 5 Critiquing Race and Gender in Popular Culture	3
ENGL 11A Introduction to Creative Writing	3
ENGL 12A Beginning Fiction Writing	3
ENGL 21 The Evolution of the Black Writer	3
ENGL 22 Mexican American/Latino Literature of the U.S.	3
ENGL 25 Asian-American Literature	3
ENGL 28 Classic and Contemporary Youth Literature	3
ENGL 31 Introduction to Gay and Lesbian Literature	3
ENGL 41 World Literature (17th Century to the Present)	3

COMM 2 Oral Interpretation of Literature	3
COMM 6 Introduction to Performance Studies	3
HIS 3 World History: Beginnings to 1500	3
HIS 4 World History: 1500 to the Present	3
HIS 33 Modern Latin America	3
GNST 31 Women's Spirituality: An Examination of Ancient and Emerging Traditions	3
FRNC 1A Beginning French	5
FRNC 1B Elementary French	5
FRNC 2A Intermediate French	4
FRNC 2B Advanced French	4
SPA 1A Beginning Spanish	5
SPA 1B Elementary Spanish 1	5
SPA 2A Intermediate Spanish	4
SPA 2B Advanced Spanish	4
SL 64 Beginning Sign Language	3

Unit Calculations

Major Requirements	18 - 20
General Education	CSU GE 39
	IGETC 37

Electives: degree applicable as needed

NOTES: Grades of "C" or higher is required for major courses and IGETC courses. Grades of C- or higher is required for CSU GE Areas A2 and B4.

Total Units	60
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(NEW)

PHILOSOPHY ASSOCIATE IN ARTS (AA)

What is philosophy? Philosophy is an activity rather than a set of beliefs. It is thinking critically, systematically, and creatively about fundamental and important questions about knowledge, values, and reality that include the following and more: What do I know, and how do I know it? What is justice? Does God exist? Do I have free will? What is the nature of the mind and self? Students are required to complete 60 units for the degree, including 18 units for the major and 25 general education units. In addition to preparing one for advanced study in the discipline, the Chabot Philosophy Program enriches its students with the ultimate transferable and portable job skills that ready them for careers in the fields of law, medicine, business, education, public service, film-making, writing, and technology.

CAREER OPPORTUNITIES IN PHILOSOPHY

This program helps students prepare for advanced study in the discipline. Additionally, the Chabot Philosophy Program enriches its students with the ultimate transferable and portable job skills that ready them for careers in the fields of law, medicine, business, education, public service, film-making, writing, and technology.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Convey understanding of major philosophical questions, theories, and concepts in the areas of metaphysics (nature of reality), epistemology (knowledge), and axiology (value theory);
2. Reconstruct, analyze, and evaluate arguments for and against major philosophical positions;
3. Explicate and analyze globally significant texts from the history of philosophy;
4. Employ the methods of philosophical inquiry, especially the principles of logic (formal & informal) and critical thinking;
5. Demonstrate proficiency in portable language skills, including listening and reading carefully and critically, speaking articulately, and -- most importantly -- proficiency in philosophical writing, which includes presenting & supporting a philosophical thesis, articulating & responding to objections, and in general, writing in a way that is clear, precise, coherent, concise, well-organized, effective, and valuable;
6. Demonstrate philosophical virtues, including being open-minded, imaginative, appropriately skeptical, intellectually humble, charitable, incisive, and truth & justice-seeking.

Required Core: Select 2 (6 units)

	Units
PHIL 55 Symbolic Logic	3
PHIL 50 Introduction to Philosophy	3
or	
PHIL 60 Introduction to Philosophy: Ethics	3

List A: Select 2 (6 units)

	Units
Any Required Core not already used.	
PHIL 65 Introduction to Philosophy: Theory of Knowledge	3
PHIL 70 Introduction to Political and Social Philosophy	3

List B: Select 2 (6 units)

	Units
Any List A course not already used.	
ARTH 20 History of Photography	3
COMM 6 Introduction to Performance Studies	3
ENGL 20 Studies in Shakespeare	3
ENGL 21 The Evolution of the Black Writer	3
ENGL 22 Mexican American/Latino Literature of the U.S.	3
ENGL 25 Asian-American Literature	3
ENGL 31 Introduction to Gay and Lesbian Literature	3
ENGL 41 World Literature (17th Century to the Present)	3
ENGL 45 Studies in Fiction	3
ES 5 Critiquing Race and Gender in Popular Culture	3
FRNC 2A Intermediate French	4
FRNC 2B Advanced French	4
HIS 1 History of Western Civilization to 1600	3
HIS 2 History of Western Civilization Since 1600	3
HIS 3 World History: Beginnings to 1500	3
HIS 4 World History: 1500 to the Present	3
HUMN 50 The Artful Life	3
HUMN 60 Creativity and the Community	3
HUMN 65 The American Style	3
HUMN 68 World Mythology	3
RELS 50 Religions of the World	3
RELS 64 The Nature of Islam	3
RELS 65 Religions of Asia	3

RELS 70 Spiritual Traditions and Contemporary Voices	3
SPA 2A Intermediate Spanish	4
SPA 2B Advanced Spanish	4

Unit Calculations

Major Requirements	18
General Education Requirements	25
Elective Units (Degree applicable units as needed)	

Total Units	60
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COURSES

(RENAMED COURSE)

50 INTRODUCTION TO PHILOSOPHY 3 UNITS

Introductory course in philosophy. Philosophy is an activity rather than a set of beliefs. It is thinking critically, systematically, and creatively about fundamental and important questions about knowledge, values, and reality that include the following and more: What do I know, and how do I know it? What is justice? Does God exist? Do I have free will? What is the nature of the mind and self? 54 hours lecture. **Eligibility for:** ENGL 1A or, ENGL 1.

PSYCHOLOGY-COUNSELING (PSCN)

LIBERAL ARTS ASSOCIATE IN ARTS (AA)

The AA in Liberal Arts is a program for students seeking a broad-based degree that can serve as an educational foundation for a wide variety of careers and transfer majors. Students pursuing an AA in Liberal Arts may complete either the Chabot College Associate in Arts General Education course requirements, the CSU General Education Breadth, or the Intersegmental General Education Transfer Curriculum (IGETC) as well as 18 units of courses within one of the following five broad disciplinary "options"; for a total 60 degree-applicable units. With careful course planning, this degree offers students a foundation, as well as the flexibility, to align with many transfer pathways.

CAREER OPPORTUNITIES IN LIBERAL ARTS

Entry-level positions in a wide variety of fields requiring skills such as: oral communications, writing, team work, critical thinking, problem solving, creativity, and innovation.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Develop effective writing and speaking skills;
2. Apply logic, reasoning, and problem solving;
3. Demonstrate creativity and innovation.

AREAS OF CONCENTRATION: Complete 18 units from within one area of concentration below. Courses must be from at least two different academic disciplines. Areas of concentration courses may also be applied toward general education requirements, where applicable.

- Option 1: Arts and Humanities
- Option 2: Communication in the English Language
- Option 3: Social and Behavioral Sciences
- Option 4: Math and Science
- Option 5: Kinesiology and Wellness

Concentration Option 1 - Arts and Humanities

The arts and humanities area of concentration focuses on the study of cultural, literary, humanistic activities and artistic expression of human beings. Students will evaluate and interpret the ways in which people through the ages in different cultures have responded to themselves and the world around them in artistic and cultural creation. Students will also learn to value aesthetic understanding and incorporate these concepts when constructing value judgments.

REQUIRED COURSES UNITS

Select at least 18 units from the courses listed below.

Courses must be from at least two different disciplines.

ARCH 14	California Architecture and Urban Design	3	CHIN 2B	Advanced Chinese	4
ART 2A	Introduction to Drawing	3	DIGM 1	Introduction to Digital Art	3
ART 2B	Drawing and Composition	3	DIGM 2	Introduction to Graphic Design	3
ART 3A	Figure and Composition I	3	DIGM 6A	Photo Compositing	3
ART 3B	Figure and Composition II	3	DIGM 10A	Introduction to Animation	3
ART 3C	Figure and Composition III	3	ENGL 11A	Introduction to Creative Writing	3
ART 3D	Figure and Composition IV	3	ENGL 11B	Intermediate Creative Writing	3
ART 7A	Introduction to Watercolor Painting	3	ENGL 12A	Beginning Fiction Writing	3
ART 7B	Intermediate Watercolor Painting	3	ENGL 12B	Intermediate Fiction Writing	3
ART 7C	Advanced Watercolor Painting I	3	ENGL 13A	Craft of Writing - Poetry	3
ART 7D	Advanced Watercolor Painting II	3	ENGL 13B	Intermediate Craft of Writing - Poetry	3
ART 12A	Beginning Oil Painting	3	ENGL 20	Studies in Shakespeare	3
ART 12B	Intermediate Oil Painting	3	ENGL 21	The Evolution of the Black Writer	3
ART 12C	Advanced Oil Painting I	3	ENGL 22	Mexican American/Latino Literature of the U.S.	3
ART 12D	Advanced Oil Painting II	3	ENGL 25	Asian-American Literature	3
ART 13A	Acrylic Painting - Beginning I	3	ENGL 31	Introduction to Gay and Lesbian Literature	3
ART 13B	Acrylic Painting - Beginning II	3	ENGL 32	U.S. Women's Literature	3
ART 13C	Acrylic Painting - Advanced I	3	ENGL 35	Modern and Contemporary U.S. Literature	3
ART 13D	Acrylic Painting - Advanced II	3	ENGL 41	World Literature (17th Century to the Present)	3
ART 16A	Introduction to Ceramics I	3	ENGL 45	Studies in Fiction	3
ART 16B	Introduction to Ceramics II	3	ENGL 48	The Literature of the Holocaust	3
ART 16C	Introduction to Ceramics III	3	ES 5	Critiquing Race and Gender in Popular Culture	3
ART 16D	Ceramics - Intermediate	3	FILM 14	Introduction to Cinematic Arts	3
ART 17A	Beginning Sculpture 1	3	FILM 15	Introduction to Digital Filmmaking	3
ART 17B	Beginning Sculpture 2	3	FILM 16	Documentary Filmmaking	3
ART 18A	Wood and Stone Sculpture I	3	FRNC 1A	Beginning French	5
ART 20	All Media Sculpture	3	FRNC 1A1	Beginning French 1	3
ART 22	Metal Sculpture - Lost Wax Bronze Casting	3	FRNC 1A2	Beginning French 2	3
ART 23	2-D Foundations	3	FRNC 1B1	Elementary French 1	3
ART 24	3-D Foundations	3	FRNC 1B2	Elementary French 2	3
ART 25	Color Theory	3	FRNC 1B	Elementary French	5
ARTH 1	Introduction to Art	3	FRNC 2A	Intermediate French	4
ARTH 3	Film History and Appreciation	3	FRNC 2B	Advanced French	4
ARTH 4	Art History-Ancient to Gothic	3	GNST 31	Women's Spirituality: An Examination of Ancient and Emerging Traditions	3
ARTH 5	Art History - Renaissance to Modern-Day	3	HIS 1	History of Western Civilization to 1600	3
ARTH 6	Art History - Twentieth- and Twenty-First Century Art	3	HIS 2	History of Western Civilization Since 1600	3
ARTH 7	Multicultural History of American Art	3	HIS 3	World History: Beginnings to 1500	3
ARTH 8	Non-Western Art	3	HIS 4	World History: 1500 to the Present	3
ARTH 20	History of Photography	3	HIS 33	Modern Latin America	3
CHIN 1A	Beginning Chinese	5	HUMN 50	The Artful Life	3
CHIN 1B	Elementary Chinese	5	HUMN 60	Creativity and the Community	3
CHIN 2A	Intermediate Chinese	4	HUMN 65	The American Style	3
			HUMN 68	World Mythology	3
			ITAL 1A	Beginning Italian	5
			ITAL 1B	Elementary Italian	5
			ITAL 2A	Intermediate Italian	4
			ITAL 2B	Advanced Italian	4
			JAPN 1A	Beginning Japanese	5
			JAPN 1B	Elementary Japanese	5
			JAPN 2A	Intermediate Japanese	4
			JAPN 2B	Advanced Japanese	4
			MUSA 11	Jazz Improvisation	1
			MUSA 20A	Guitar I	1
			MUSA 20B	Guitar II	1
			MUSA 21A	Piano I	1
			MUSA 21B	Piano II	1
			MUSA 22A	Jazz Piano and Musicianship I	1
			MUSA 22B	Jazz Piano and Musicianship II	1
			MUSA 23A	Voice I	1
			MUSA 23B	Voice II	1
			MUSA 40	Applied Lessons	1
			MUSL 1	Introduction to Music	3

PHIL 70	Introduction to Political and Social Philosophy	3	ES 63	The African American Experience in U.S. History From Reconstruction	3
PSCN 4	Multiethnic/Cultural Communication	3	GNST 31	Women's Spirituality: An Examination of Ancient and Emerging Traditions	3
MCOM 21	Newspaper Production I	3	GEO 2	Cultural Geography	3
Concentration Option 3 - Social and Behavioral Sciences					
These courses emphasize the perspective, concepts, theories and methodologies of the disciplines typically found in the vast variety of disciplines that comprise study in the Social and Behavioral Sciences. Students will study about themselves and others as members of a larger society. Topics and discussion to stimulate critical thinking about ways people have acted in response to their societies will allow students to evaluate how societies and social subgroups operate.					
Select at least 18 units from the courses listed below. Courses must be from at least two different disciplines.					
ADMJ 45	Law and Democracy	3	GEO 3	Economic Geography	3
ADMJ 50	Introduction to the Administration of Justice	3	GEO 5	World Regional Geography	3
ADMJ 60	Criminal Law	3	GEO 10	Global Environmental Problems	3
ADMJ 70	Community Relations	3	GEO 12	Geography of California	3
ANTH 1	Biological/Physical Anthropology	3	GEO 20	Introduction to Geographic Information Systems	3
ANTH 2	Introduction to Archaeology	3	GLST 1	Introduction to Global Studies	3
ANTH 3	Social and Cultural Anthropology	3	GLST 2	Issues in Global Studies	3
ANTH 4	Language and Culture	3	HLTH 8	Human Sexuality	3
ANTH 5	Cultures of the U.S. in Global Perspective	3	HIS 1	History of Western Civilization to 1600	3
ANTH 7	Introduction to Global Studies	3	HIS 2	History of Western Civilization Since 1600	3
ANTH 8	Native American Cultures	3	HIS 3	World History: Beginnings to 1500	3
ANTH 12	Magic, Religion, Witchcraft and Healing	3	HIS 4	World History: 1500 to the Present	3
BIOL 80	Introduction to Public Health	3	HIS 7	U.S. History Through Reconstruction	3
BUS 10	Business Law	4	HIS 8	U.S. History Since Reconstruction	3
BUS 12	Introduction to Business	3	HIS 12	History of California	3
BUS 20	Law and Society	3	HIS 22	Mexican American History and Culture	3
BUS 36	Introduction to Marketing	3	HIS 25	American Indian History and Culture	3
COMM 11	Intercultural Communication	3	HIS 32	Colonial Latin America	3
COMM 12	Gender, Sexual Identity, and Communication	3	HIS 33	Modern Latin America	3
COMM 50	Introduction to Communication Studies	3	HIS 42	Asian American History: 18th Century to 1945	3
ECD 52	Childhood and Adolescence	3	HIS 43	Asian American History: Early 20th Century - 21st Century	3
ECD 56	Child Growth and Development	3	HIS 48	U. S. Women's History Through Reconstruction	3
ECD 62	Child, Family and Community	3	HIS 49	U.S. Women's History Post-Reconstruction	3
ECD 67	Infant and Toddler Development and Caregiving	3	HIS 52	Mexican American History from Mesoamerica to The Mexican Revolution	3
ECN 1	Principles of Microeconomics	3	HIS 53	Mexican American History from The Mexican Revolution to the Present	3
ECN 2	Principles of Macroeconomics	3	HIS 62	The African-American Experience in U.S. History Through the Civil War	3
ECN 10	General Economics	3	HIS 63	The African American Experience in U.S. History From Reconstruction	3
ENST 1	Introduction to Environmental Studies	3	KINE 4	Introduction to Sports Management	3
ENTR 5	The Entrepreneurial Mindset	3	KINE 8	Introduction to Sport in Contemporary Society	3
ES 1	Introduction to Ethnic Studies	3	KINE 70	History and Philosophy of Sport and Physical Activity	3
ES 2	Contemporary Ethnic Minority Families in the U.S.	3	MCOM 40	Introduction to Broadcasting	3
ES 3	Introduction to Muslim-American Studies	3	MCOM 41	Introduction to Mass Communications	3
ES 4	Intro to Latinx Studies	3	POSC 1	Introduction to American Government	3
ES 5	Critiquing Race and Gender in Popular Culture	3	POSC 10	Seminar in Comparative Politics	3
ES 6	Intro to Pacific Islands and Oceania Studies	3	POSC 11	Introduction to Global Studies	3
ES 7	Women of Color in the United States: Introduction to Race, Gender, and Sexuality Studies	3	POSC 12	Introduction to California State and Local Government	3
ES 10	Introduction to Asian American Studies	3	POSC 20	Comparative Politics	3
ES 25	American Indian History and Culture	3	POSC 22	Issues in Global Studies	3
ES 42	Asian American History: 18th Century to 1945	3	POSC 25	Introduction to Political Theory	3
ES 43	Asian American History: Early 20th Century - 21st Century	3	POSC 30	International Relations	3
ES 52	Mexican American History from Mesoamerica to The Mexican Revolution	3	POSC 35	Politics of Race and Gender: History, Governance, and Public Policy	3
ES 53	Mexican American History from The Mexican Revolution to the Present	3	POSC 45	Law and Democracy	3
ES 62	The African-American Experience in U.S. History Through the Civil War	3	PSY 1	General Psychology	3
			PSY 2	Introduction to Psychological Methodology	3
			PSY 3	Social Psychology	3
			PSY 4	Brain, Mind and Behavior	3
			PSY 6	Abnormal Psychology	3
			PSY 8	Human Sexuality	3
			PSY 12	Lifespan Psychology	3
			PSY 33	Personal and Social Adjustment	3

PSY 45	Psychology of Creativity and Innovation	3
PSCN 1	Introduction to Psychology-Counseling in a Multicultural Environment	3
PSCN 3	Drugs, Recovery and Prevention in Modern Society	3
PSCN 4	Multiethnic/Cultural Communication	3
PSCN 5	Introduction to Social Work and Human Services	3
PSCN 13	Multicultural Issues in Contemporary America	3
SOCI 1	Principles of Sociology	3
SOCI 2	Social Problems	3
SOCI 3	Introduction to Race and Ethnic Relations	3
SOCI 4	Marriage and Family Relations	3
SOCI 5	Introduction to Social Research Methods	3
SOCI 6	Introduction to Gender	3
SOCI 7	Women of Color in the United States: Introduction to Race, Gender, and Sexuality Studies	3
SOCI 8	Human Sexuality	3
SOCI 10	Introduction to Asian American Studies	3

Concentration Option 4 - Mathematics and Sciences

The math and science area of concentration focuses on the physical universe, its life forms and its natural phenomena, as well as the development of mathematical and quantitative reasoning skills beyond the level of intermediate algebra. Students will be able to demonstrate an understanding of the methodologies of science as investigative tools.

Students will also examine the influence that the acquisition of scientific knowledge has on the development of the world's civilizations.

Select at least 18 units from the courses listed below. Courses must be from at least two different disciplines.

ANAT 1	General Human Anatomy	5
ANTH 1	Biological/Physical Anthropology	3
ANTH 1L	Biological/Physical Anthropology Laboratory	1
ANTH 13	Forensic Anthropology	3
ASTR 10	Introduction to Astronomy: The Solar System	3
ASTR 20	Introduction to Astronomy: Stars and the Universe	3
ASTR 30	Introduction to Astronomy Lab	1
ASTR 45	Descriptive Astronomy	3
BIOL 2	Principles of Cell/Molecular Biology and Genetics	5
BIOL 4	Principles of Animal Biology and Evolution	4
BIOL 6	Principles of Plant Biology and Ecology	4
BIOL 10	Introduction to the Science of Biology	4
BIOL 25	Human Heredity and Evolution	3
BIOL 31	Introduction to College Biology	4
BIOL 50	Anatomy and Physiology	4
BIOT 20	Chemistry for Biotechnology	4
BIOT 30	Basic Biotechnology: Introduction to Cell and Molecular Biology	4
BUS 19	Business Statistics	4
CHEM 1A	General College Chemistry I	5
CHEM 1B	General College Chemistry II	5
CHEM 10	Introduction to Chemistry	4
CHEM 12A	Organic Chemistry I	5
CHEM 12B	Organic Chemistry II	5
CHEM 30A	Introductory and Applied Chemistry I	4
CHEM 30B	Introductory and Applied Chemistry II	4
CHEM 31	Introduction to College Chemistry	4
CSCI 28	Discrete Mathematics	3
ENSC 10	Humans and the Environment	3
ENSC 11	Humans and the Environment with Laboratory	4
ENSC 15	Agroecology	3

ENSC 15L	Agroecology Laboratory	1
GEO 1	Introduction to Physical Geography	3
GEO 1L	Introduction to Physical Geography Laboratory	1
GEO 8	Introduction to Weather and Climate	3
GEO 13	Climate Studies	3
GEOS 1	Physical Geology with Laboratory	4
MICR 1	Microbiology	5
MTH 1	Calculus I	5
MTH 2	Calculus II	5
MTH 3	Multivariable Calculus	5
MTH 4	Elementary Differential Equations	3
MTH 6	Elementary Linear Algebra	3
MTH 8	Discrete Mathematics	3
MTH 15	Applied Calculus I	3
MTH 16	Applied Calculus II	3
MTH 20	Pre-Calculus Mathematics	5
MTH 31	College Algebra	3
MTH 33	Finite Mathematics	4
MTH 36	Trigonometry	3
MTH 37	Trigonometry with an Emphasis on its Geometric Foundations	5
MTH 41	Number Systems	3
MTH 43	Introduction to Probability and Statistics	4
MTH 44	Mathematics for Democracy	3
MTH 47	Mathematics for Liberal Arts	3
PSCI 15	Descriptive Physical Science: Introduction to Principles of Physical Science	5
PHYS 3A	College Physics A	4
PHYS 3B	College Physics B	4
PHYS 4A	General Physics I	5
PHYS 4C	General Physics III	5
PHYS 4B	General Physics II	5
PHYS 5	Modern Physics	3
PHYS 11	Descriptive Physics	4
PHSI 1	Human Physiology	5
PSY 4	Brain, Mind and Behavior	3
PSY 5	Introductory Statistics for the Behavioral and Social Sciences	4

Concentration Option 5 - Kinesiology and Wellness

Select at least 18 units from the courses listed below, to include at least 15 units from Group 1; and at least 3 units from Group 2. Group 1 courses must include courses from at least two different disciplines.

Group 1 - (15 units from a least two different subjects)

ANAT 1	General Human Anatomy	5
BIOL 10	Introduction to the Science of Biology	4
BIOL 31	Introduction to College Biology	4
BIOL 50	Anatomy and Physiology	4
CHEM 10	Introduction to Chemistry	4
CHEM 30A	Introductory and Applied Chemistry I	4
CHEM 30B	Introductory and Applied Chemistry II	4
CHEM 31	Introduction to College Chemistry	4
EMS 1	First Responder	2.5
HLTH 1	Introduction to Personal Health	3
HLTH 4	Women and Health	3
HLTH 8	Human Sexuality	3
HLTH 60	Responding to Emergencies	1
KINE 1	Introduction to Kinesiology & Physical Education	3
KINE 2	Introduction to Athletic Training	4
KINE 3	Introduction to Principles of Coaching Sports: Beyond the Basics	3

KINE 3BB	Introduction to the Principles of Coaching Baseball	2	PEAC AQDW	Aqua Aerobics - Deep Water 2	0.5-2
KINE 3BK	Introduction to the Principles of Coaching Basketball	2	PEAC SMLP	Lap Swimming for Cardiovascular Conditioning	0.5-2
KINE 3FT	Introduction to Coaching Football	2	PEAC AQA1	Aqua Aerobics	0.5-2
KINE 3SF	Introduction to Coaching Softball	2	PEAC BAB1	Bay Area Biking	0.5-2
KINE 3SO	Introduction to Coaching Soccer	2	PEAC BTC1	Beginning Boot Camp	0.5-2
KINE 3TK	Introduction to Coaching Track and Field	2	PEAC CYC1	Introduction to Spin Cycling	0.5-2
KINE 4	Introduction to Sports Management	3	PEAC DWA1	Aqua Aerobics - Deep Water 1	0.5-2
KINE 5	Introduction to the Components of Physical Fitness - the Human Body	3	PEAC FUN1	Core Conditioning for Abs, Hips and Thighs	0.5-2
KINE 6	Performance Enhancement thru Mental Training	3	PEAC HM1	Training for Your First Half Marathon	0.5-2
KINE 7	Introduction to Lifetime Fitness	3	PEAC HTA1	Guts and Butts Workout	0.5-2
KINE 8	Introduction to Sport in Contemporary Society	3	PEAC LSF1	Introductory Lap Swimming for Cardiovascular Fitness	0.5-2
KINE 10	Nutrition for Fitness and Fat Loss	3	PEAC PIL1	Introduction to Pilates	0.5-2
KINE 11	Nutrition For Sports And Human Performance	3	PEAC STP1	Introduction to Cardio- Step	0.5-2
KINE 12BB	Introduction to Baseball Officiating	2	PEAC SWM1	Beginning Swimming	0.5-2
KINE 12BK	Introduction to Basketball Officiating	2	PEAC TRI1	Beginning Triathlon Training	0.5-2
KINE 12FT	Introduction to Football Officiating	2	PEAC WEI1	Introduction to Weight Training	0.5-2
KINE 12TK	Introduction to Track & Field Officiating	2	PEAC WLK1	Walking for Fitness	0.5-2
KINE 14	Introduction to Health and Fitness For Your Disability	3	PEAC WOV1	Women's Weight Training 1	0.5-2
KINE 15	Introduction to Personal Fitness Training	3	PEAC YOG1	Introduction to Yoga	0.5-2
KINE 16	Theory & Technique of Offensive Football	2	PEAC INSC	Indoor Soccer/Futsal	0.5-2
KINE 17	Theory & Technique of Defensive Football	2	PEAC SSTK	Track and Field Skills	0.5-2
KINE 23	Techniques of Strength Training Instruction	3	PEAC AKD1	AIKIDO 1	0.5-2
KINE 70	History and Philosophy of Sport and Physical Activity	3	PEAC ARH1	Archery 1	0.5-2
KINE BBDT	Theory and Technique of Defensive Baseball	2	PEAC BAD1	Introduction to Badminton	0.5-2
KINE BBOT	Theory and Technique of Offensive Baseball	2	PEAC BSK1	Introduction to Basketball	0.5-2
KINE CSA	College Success for Athletes	1	PEAC DIS1	Introduction to Disc Sports	0.5-2
KINE PDBB	Principles of Defensive Baseball	2	PEAC FTS1	Futsal	0.5-2
KINE POBB	Principles of Offensive Baseball	2	PEAC JUD1	Beginning Judo	0.5-2
MICR 1	Microbiology	5	PEAC SOC1	Introduction to Soccer	0.5-2
NUTR 1	Introduction to Nutrition Science	3	PEAC TEN1	Introduction to Tennis	0.5-2
NUTR 4	Mother and Childhood Nutrition	3	PEAC TKD1	Tae-kwon-do	0.5-2
NUTR 6	Nutrition for Healthy Living	3	PEAC VOL1	Introduction to Volleyball	0.5-2
NUTR 10	Weight Management for Healthy Aging	3	PEAC WAP1	Introduction to Water Polo	0.5-2
NUTR 11	Sports Nutrition	3	ATHL FT1	Intercollegiate Football	3
PHSI 1	Human Physiology	5	ATHL SW2	Intercollegiate Women's Soccer	3
PHYS 11	Descriptive Physics	4	ATHL SM3	Men's Intercollegiate Soccer	3
PSCN 10	Career and Educational Planning	2	ATHL VB4	Women's Intercollegiate Volleyball	3
PSCN 11	Interpersonal Relationships	2	ATHL WR5	Intercollegiate Wrestling	3
PSCN 12	Self-Esteem For Success	2	ATHL WCC6	Women's Intercollegiate Cross Country	3
PSCN 20	The College Experience	2	ATHL MCC7	Men's Intercollegiate Cross Country	3
PSCN 30	Life Transitions	3	ATHL WWP8	Intercollegiate Women's Water Polo	3
PSCN 21	Strategies for College Success	1	ATHL WB10	Intercollegiate Women's Basketball	1.5
PSCN 22	College Success Series	0.5 - 1.5	ATHL MB11	Men's Intercollegiate Basketball	1.5
PSCN 23	Creating Success in College and Life	3	ATHL SB12	Women's Intercollegiate Softball	3
PSY 8	Human Sexuality	3	ATHL BB13	Men's Intercollegiate Baseball	3
PSY 12	Lifespan Psychology	3	ATHL WS14	Women's Intercollegiate Swimming & Diving	3
SOCI 8	Human Sexuality	3	ATHL MS15	Men's Intercollegiate Swimming & Diving	3
			ATHL TK16	Women's Intercollegiate Track & Field	3
			ATHL TK17	Men's Intercollegiate Track & Field	3
			ATHL WT18	Women's Intercollegiate Tennis	3
			ATHL MT19	Men's Intercollegiate Tennis	3
			ATHL MG21	Men's Intercollegiate Golf	3

Group 2 (3 units)

Strongly recommended: Students who are getting the AA degree with a concentration in Kinesiology and Wellness are encouraged to take a minimum of three activity courses in at least three different PEAC activity areas: Aquatics, Fitness, Individual Sports, Team Sports, and Dance.

Unit Calculations

Major Requirements	18
General Education	25
Electives: Degree applicable units as needed	

Total Units **60**

(REVISED DEGREE)
CSU GE BREADTH
 CERTIFICATE OF ACHIEVEMENT (COA)

This program provides one option for students to complete lower-division general education requirements for the California State University. The courses listed on this certificate of achievement are approved by California State University for the 2021-2022 academic year (Fall 2021, Spring 2022, and Summer 2022), and are subject to change each academic year. For the most up-to-date course information, consult the official articulation database for UC and CSU transfer articulation used for transfer admission decisions: ASSIST at www.assist.org. NOTE: Earning this certificate is different from CSU GE Breadth "certification," which is a student-initiated process with the community college office of admissions which is completed once a student has accepted an offer of admissions at a CSU campus. Counselors are able to assist in determining if the CSU GE Breadth is appropriate for your educational goals.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Develop effective speaking and writing skills.
2. Apply logic, reasoning, and problem-solving.
3. Develop creative and innovative abilities.

Area A - English Language, Communication and Critical Thinking

Complete one course from each group A1, A2, and A3 (9 semester units) **Units**

Grades of "C-" or better are required in Area A.

A1 - ORAL COMMUNICATION

COMM 1 Fundamentals of Speech Communication	3
COMM 20 Persuasion and Communication	3
COMM 46 Argumentation and Debate	3

A2 - WRITTEN COMMUNICATION

ENGL 1 Critical Reading and Composition	4
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A3 - CRITICAL THINKING

COMM 46 Argumentation and Debate	3
ENGL 4A Critical Thinking and Writing about Literature	4
ENGL 7A Critical Thinking and Writing across Disciplines	4
HIS 5 Critical Thinking in History	3
PHIL 55 Symbolic Logic	3

Area B - SCIENTIFIC INQUIRY AND QUANTITATIVE REASONING
Complete one course from each group B1, B2, B3, and B4 (9 semester units).

One course from Area B1 or B2 may include a lab to satisfy Area B3.

B1 - PHYSICAL SCIENCES

ASTR 10 Introduction to Astronomy: The Solar System	3
ASTR 20 Introduction to Astronomy: Stars and the Universe	3
ASTR 45 Descriptive Astronomy	3
BIOT 20 Chemistry for Biotechnology	4
CHEM 1A General College Chemistry I	5
CHEM 1B General College Chemistry II	5
CHEM 10 Introduction to Chemistry	4
CHEM 12A Organic Chemistry I	5
CHEM 12B Organic Chemistry II	5

CHEM 30A Introductory and Applied Chemistry I	4
CHEM 30B Introductory and Applied Chemistry II	4
CHEM 31 Introduction to College Chemistry	4
GEO 1 Introduction to Physical Geography	3
GEO 8 Introduction to Weather and Climate	3
GEO 13 Climate Studies	3
GEOS 1 Physical Geology with Laboratory	4
PSCI 15 Descriptive Physical Science: Introduction to Principles of Physical Science	5
PHYS 3A College Physics A	4
PHYS 3B College Physics B	4
PHYS 4A General Physics I	5
PHYS 4B General Physics II	5
PHYS 5 Modern Physics	3
PHYS 11 Descriptive Physics	4

B2 - LIFE SCIENCES

ANAT 1 General Human Anatomy	5
ANTH 1 Biological/Physical Anthropology	3
ANTH 13 Forensic Anthropology	3
BIOL 2 Principles of Cell/Molecular Biology and Genetics	5
BIOL 4 Principles of Animal Biology and Evolution	4
BIOL 6 Principles of Plant Biology and Ecology	4
BIOL 10 Introduction to the Science of Biology	4
BIOL 25 Human Heredity and Evolution	3
BIOL 31 Introduction to College Biology	4
BIOL 50 Anatomy and Physiology	4
ENSC 10 Humans and the Environment	3
ENSC 11 Humans and the Environment with Laboratory	4
ENSC 15 Agroecology	3
MICR 1 Microbiology	5
PHSI 1 Human Physiology	5
PSY 4 Brain, Mind and Behavior	3

B3 - LAB SCIENCE

ANAT 1 General Human Anatomy	5
ANTH 1L Biological/Physical Anthropology Laboratory	1
ANTH 13L Forensic Anthropology Laboratory	1
ASTR 30 Introduction to Astronomy Lab	1
BIOL 2 Principles of Cell/Molecular Biology and Genetics	5
BIOL 4 Principles of Animal Biology and Evolution	4
BIOL 6 Principles of Plant Biology and Ecology	4
BIOL 10 Introduction to the Science of Biology	4
BIOL 31 Introduction to College Biology	4
BIOL 50 Anatomy and Physiology	4
BIOT 20 Chemistry for Biotechnology	4
CHEM 1A General College Chemistry I	5
CHEM 1B General College Chemistry II	5
CHEM 10 Introduction to Chemistry	4
CHEM 12A Organic Chemistry I	5
CHEM 12B Organic Chemistry II	5
CHEM 30A Introductory and Applied Chemistry I	4
CHEM 30B Introductory and Applied Chemistry II	4
CHEM 31 Introduction to College Chemistry	4
ENSC 11 Humans and the Environment with Laboratory	4
ENSC 15L Agroecology Laboratory	1
GEO 1L Introduction to Physical Geography Laboratory	1
GEOS 1 Physical Geology with Laboratory	4
MICR 1 Microbiology	5
PHSI 1 Human Physiology	5
PHYS 3A College Physics A	4
PHYS 3B College Physics B	4
PHYS 4A General Physics I	5

PHYS 4B	General Physics II	5	THTR 10	Introduction to Theater Arts	3
PHYS 4C	General Physics III	5	THTR 11	Stage to Film	3
PHYS 11	Descriptive Physics	4	THTR 12	Film as Art & Communication	4
PSCI 15	Descriptive Physical Science: Introduction to Principles of Physical Science	5	THTR 14	American Cultures in Theater	3

B4 - MATHEMATICS

A grade of "C-" or better is required in Area B4.

BUS 19	Business Statistics	4
CSCI 28	Discrete Mathematics	3
MTH 1	Calculus I	5
MTH 2	Calculus II	5
MTH 3	Multivariable Calculus	5
MTH 4	Elementary Differential Equations	3
MTH 6	Elementary Linear Algebra	3
MTH 8	Discrete Mathematics	3
MTH 15	Applied Calculus I	3
MTH 16	Applied Calculus II	3
MTH 20	Pre-Calculus Mathematics	5
MTH 31	College Algebra	3
MTH 31S	College Algebra with Support	4
MTH 33	Finite Mathematics	4
MTH 33S	Finite Mathematics with Support	4.5
MTH 36	Trigonometry	3
MTH 36S	Trigonometry with Support	4
MTH 37	Trigonometry with an Emphasis on its Geometric Foundations	5
MTH 37S	Trigonometry with an Emphasis on its Geometric Foundations with Support	5.5
MTH 41	Number Systems	3
MTH 41S	Number Systems with Support	3.5
MTH 43	Introduction to Probability and Statistics	4
MTH 43S	Introduction to Probability and Statistics with Support	5
MTH 44	Mathematics for Democracy	3
MTH 47	Mathematics for Liberal Arts	3
MTH 47S	Mathematics for Liberal Arts with Support	3.5
PSY 5	Introductory Statistics for the Behavioral and Social Sciences	4

Area C - ARTS AND HUMANITIES

Complete 9 semester units, with at least one course from each group, C1 and C2.

C1 - ARTS

ARCH 14	California Architecture and Urban Design	3
ARTH 1	Introduction to Art	3
ARTH 3	Film History and Appreciation	3
ARTH 4	Art History-Ancient to Gothic	3
ARTH 5	Art History - Renaissance to Modern-Day	3
ARTH 6	Art History - Twentieth- and Twenty-First Century Art	3
ARTH 7	Multicultural History of American Art	3
ARTH 8	Non-Western Art	3
ARTH 20	History of Photography	3
FILM 14	Introduction to Cinematic Arts	3
MUSL 1	Introduction to Music	3
MUSL 2A	Harmony and Musicianship I	4
MUSL 3	World Music	3
MUSL 4	Jazz Styles	3
MUSL 8	History of Rock and Roll and Popular Music	3
PHOT 20	History of Photography	3
THTR 1	Introduction to Acting	3
THTR 7	Voice for the Actor	3

C2 - HUMANITIES

ARTH 4	Art History-Ancient to Gothic	3
ARTH 20	History of Photography	3
CHIN 1A	Beginning Chinese	5
CHIN 1B	Elementary Chinese	5
CHIN 2B	Advanced Chinese	4
COMM 2	Oral Interpretation of Literature	3
COMM 6	Introduction to Performance Studies	3
ENGL 11A	Introduction to Creative Writing	3
ENGL 12A	Beginning Fiction Writing	3
ENGL 13A	Craft Of Writing - Poetry	3
ENGL 20	Studies in Shakespeare	3
ENGL 21	The Evolution of the Black Writer	3
ENGL 22	Mexican American/Latino Literature of the U.S.	3
ENGL 25	Asian-American Literature	3
ENGL 28	Classic and Contemporary Youth Literature	3
ENGL 31	Introduction to Gay and Lesbian Literature	3
ENGL 32	U.S. Women's Literature	3
ENGL 35	Modern and Contemporary U.S. Literature	3
ENGL 41	World Literature (17th Century to the Present)	3
ENGL 45	Studies in Fiction	3
ENGL 48	The Literature of the Holocaust	3
ES 5	Critiquing Race and Gender in Popular Culture	3
FRNC 1A	Beginning French	5
FRNC 1A1	Beginning French 1	3
FRNC 1A2	Beginning French 2	3
FRNC 1B	Elementary French	5
FRNC 1B2	Elementary French 2	3
FRNC 2A	Intermediate French	4
FRNC 2B	Advanced French	4
HIS 1	History of Western Civilization to 1600	3
HIS 2	History of Western Civilization Since 1600	3
HIS 3	World History: Beginnings to 1500	3
HIS 4	World History: 1500 to the Present	3
HIS 33	Modern Latin America	3
HUMN 50	The Artful Life	3
HUMN 60	Creativity and the Community	3
HUMN 65	The American Style	3
HUMN 68	World Mythology	3
HUMN 72	Contemporary Humanities	3
ITAL 1A	Beginning Italian	5
ITAL 1B	Elementary Italian	5
ITAL 2A	Intermediate Italian	4
ITAL 2B	Advanced Italian	4
JAPN 1A	Beginning Japanese	5
JAPN 1B	Elementary Japanese	5
JAPN 2A	Intermediate Japanese	4
JAPN 2B	Advanced Japanese	4
PHIL 50	Introduction to Philosophy	3
PHIL 60	Introduction to Philosophy: Ethics	3
PHIL 65	Introduction to Philosophy: Theory of Knowledge	3
PHIL 70	Introduction to Political and Social Philosophy	3
PHOT 20	History of Photography	3
RELS 50	Religions of the World	3
RELS 64	The Nature of Islam	3
RELS 65	Religions of Asia	3
RELS 70	Spiritual Traditions and Contemporary Voices	3
SL 64	Beginning Sign Language	3

SL 65	Intermediate Sign Language	3	GEO 2	Cultural Geography	3
SPA 1A	Beginning Spanish	5	GEO 3	Economic Geography	3
SPA 1A1	Beginning Spanish 1	3	GEO 5	World Regional Geography	3
SPA 1A2	Beginning Spanish 2	3	GEO 10	Global Environmental Problems	3
SPA 1B	Elementary Spanish 1	5	GEO 12	Geography of California	3
SPA 1B1	Elementary Spanish 1	3	GEO 20	Introduction to Geographic Information Systems	3
SPA 1B2	Elementary Spanish 2	3	GLST 1	Introduction to Global Studies	3
SPA 2A	Intermediate Spanish	4	GLST 2	Issues in Global Studies	3
SPA 2B	Advanced Spanish	4	HLTH 80	Introduction to Public Health	3
Area D - SOCIAL SCIENCES					
Complete 6 semester units					
ADMJ 45	Law and Democracy	3	HIS 1	History of Western Civilization to 1600	3
ADMJ 50	Introduction to the Administration of Justice	3	HIS 2	History of Western Civilization Since 1600	3
ADMJ 60	Criminal Law	3	HIS 3	World History: Beginnings to 1500	3
ANTH 1	Biological/Physical Anthropology	3	HIS 4	World History: 1500 to the Present	3
ANTH 2	Introduction to Archaeology	3	HIS 7	U.S. History Through Reconstruction	3
ANTH 3	Social and Cultural Anthropology	3	HIS 8	U.S. History Since Reconstruction	3
ANTH 4	Language and Culture	3	HIS 12	History of California	3
ANTH 5	Cultures of the U.S. in Global Perspective	3	HIS 19	Hist Modern China and Japan	3
ANTH 6	Anthropology of Sex and Gender	3	HIS 22	Mexican American History and Culture	3
ANTH 7	Introduction to Global Studies	3	HIS 25	American Indian History and Culture	3
ANTH 8	Native American Cultures	3	HIS 32	Colonial Latin America	3
ANTH 12	Magic, Religion, Witchcraft and Healing	3	HIS 33	Modern Latin America	3
BIOL 80	Introduction to Public Health	3	HIS 42	Asian American History: 18th Century to 1945	3
BUS 20	Law and Society	3	HIS 43	Asian American History: Early 20th Century - 21st Century	3
BUS 36	Introduction to Marketing	3	HIS 48	U. S. Women's History Through Reconstruction	3
COMM 11	Intercultural Communication	3	HIS 49	U.S. Women's History Post-Reconstruction	3
COMM 12	Gender, Sexual Identity, and Communication	3	HIS 52	Mexican American History from Mesoamerica to The Mexican Revolution	3
COMM 50	Introduction to Communication Studies	3	HIS 53	Mexican American History from The Mexican Revolution to the Present	3
CAS 50	Introduction to Computer Application Systems	3	HIS 62	The African-American Experience in U.S. History Through the Civil War	3
ECD 52	Childhood and Adolescence	3	HIS 63	The African American Experience in U.S. History From Reconstruction	3
ECD 56	Child Growth and Development	3	KINE 70	History and Philosophy of Sport and Physical Activity	3
ECD 62	Child, Family and Community	3	MCOM 40	Introduction to Broadcasting	3
ECD 67	Infant and Toddler Development and Caregiving	3	MCOM 41	Introduction to Mass Communications	3
ECN 1	Principles of Microeconomics	3	POSC 1	Introduction to American Government	3
ECN 2	Principles of Macroeconomics	3	POSC 11	Introduction to Global Studies	3
ECN 10	General Economics	3	POSC 12	Introduction to California State and Local Government	3
ENGL 21	The Evolution of the Black Writer	3	POSC 15	Introduction to Public Policy	3
ENGL 22	Mexican American/Latino Literature of the U.S.	3	POSC 20	Comparative Politics	3
ENR 5	The Entrepreneurial Mindset	3	POSC 22	Issues in Global Studies	3
ENST 1	Introduction to Environmental Studies	3	POSC 25	Introduction to Political Theory	3
ES 1	Introduction to Ethnic Studies	3	POSC 30	International Relations	3
ES 2	Contemporary Ethnic Minority Families in the U.S.	3	POSC 35	Politics of Race and Gender: History, Governance, and Public Policy	3
ES 3	Introduction to Muslim-American Studies	3	POSC 45	Law and Democracy	3
ES 4	Intro to Latinx Studies	3	PSY 1	General Psychology	3
ES 5	Critiquing Race and Gender in Popular Culture	3	PSY 2	Introduction to Psychological Methodology	3
ES 6	Intro to Pacific Islands and Oceania Studies	3	PSY 3	Social Psychology	3
ES 7	Women of Color in the United States: Introduction to Race, Gender, and Sexuality Studies	3	PSY 4	Brain, Mind and Behavior	3
ES 10	Introduction to Asian American Studies	3	PSY 6	Abnormal Psychology	3
ES 25	American Indian History and Culture	3	PSY 12	Lifespan Psychology	3
ES 42	Asian American History: 18th Century to 1945	3	PSY 33	Personal and Social Adjustment	3
ES 43	Asian American History: Early 20th Century - 21st Century	3	PSCN 1	Introduction to Psychology-Counseling in a Multicultural Environment	3
ES 52	Mexican American History from Mesoamerica to The Mexican Revolution	3	PSCN 4	Multicultural/Cultural Communication	3
ES 53	Mexican American History from The Mexican Revolution to the Present	3	PSCN 13	Multicultural Issues in Contemporary America	3
ES 62	The African-American Experience in U.S. History Through the Civil War	3	SOCI 1	Principles of Sociology	3
ES 63	The African American Experience in U.S. History From Reconstruction	3	SOCI 2	Social Problems	3

SOCI 3	Introduction to Race and Ethnic Relations	3
SOCI 4	Marriage and Family Relations	3
SOCI 5	Introduction to Social Research Methods	3
SOCI 6	Introduction to Gender	3
SOCI 7	Women of Color in the United States: Introduction to Race, Gender, and Sexuality Studies	3
SOCI 10	Introduction to Asian American Studies	3

Area E - LIFELONG LEARNING AND SELF DEVELOPMENT

Complete 3 semester units. Physical activity courses limited to two semester units.

COMM 10	Interpersonal Communication	3
ECD 54	Child Health, Safety and Nutrition	3
ECD 56	Child Growth and Development	3
ENSC 12	Current Issues in Environmental Science	3
FT 7	Health and Fitness for the Fire Service	3
HLTH 1	Introduction to Personal Health	3
HLTH 4	Women and Health	3
HLTH 8	Human Sexuality	3
HLTH 16	Healthy Weight Loss	3
KINE 6	Performance Enhancement thru Mental Training	3
KINE 10	Nutrition for Fitness and Fat Loss	3
KINE 11	Nutrition For Sports And Human Performance	3
KINE 14	Introduction to Health and Fitness For Your Disability	3
KINE 19	Fit for Duty: Health and Fitness for Law Enforcement	3
KINE 24	Health and Fitness for the Fire Service	3
KINE DMP	Prevention of Type II Diabetes Through Nutrition and Exercise	2
NUTR 1	Introduction to Nutrition Science	3
NUTR 6	Nutrition for Healthy Living	3
NUTR 10	Weight Management for Healthy Aging	3
NUTR 11	Sports Nutrition	3
PSY 8	Human Sexuality	3
PSY 12	Lifespan Psychology	3
PSCN 7	Contemporary Issues	1-3
PSCN 10	Career and Educational Planning	2
PSCN 11	Interpersonal Relationships	2
PSCN 20	The College Experience	2
PSCN 23	Creating Success in College and Life	3
PSCN 30	Life Transitions	3
SOCI 8	Human Sexuality	3

Any course with the prefix of: ADPE, ATHL, DANC, PEAC. Physical activity course credit for Area E is limited to 2 units.

ADMJ 9907	Physical Fitness for Law Enforcement	1
FT 88A	Introduction to Fire Fitness Training	1
FT 88B	Intermediate Fire Fitness Training	1
FT 88C	Advanced Fire Fitness Training	1
FT 88D	Tactical Fire Fitness Training	1

AREA F - ETHNIC STUDIES

Complete 3 semester units.

ES 1	Introduction to Ethnic Studies	3
ES 4	Intro to Latinx Studies	3
ES 6	Intro to Pacific Islands and Oceania Studies	3

Total Units 39

INTERSEGMENTAL GENERAL EDUCATION TRANSFER CURRICULUM (IGETC) CERTIFICATE OF ACHIEVEMENT (COA)

This program provides one option for students to complete lower-division general education requirements for University of California or the California State University. All courses must be completed with a grade of "C" or better. Completion of IGETC is typically not a requirement of, nor a guarantee of, transfer admissions. For some colleges and majors at UC, IGETC is not an appropriate general education pattern. Courses listed on this certificate of achievement are effective for the 2021-22 academic year (Fall 2021, Spring 2022, and Summer 2022), and are subject to change each academic year. For the most up-to-date course information, consult the official articulation database for UC and CSU transfer articulation used for transfer admission decisions: ASSIST at www.assist.org. Counselors are able to assist in determining if IGETC for CSU or UC is appropriate for your transfer goals.

Program Learning Outcomes

Upon the completion of the program the student should be able to:

1. Develop effective speaking and writing skills.
2. Apply logic, reasoning, and problem-solving.
3. Develop creative and innovative abilities.

Area 1 - ENGLISH COMMUNICATION

For CSU, AA-T & AS-T Degrees - 3 courses required, one each from group 1A, 1B, and 1C

For UC - 2 courses required, one each from group 1A and 1B

1A - ENGLISH COMPOSITION (3 semester/4 quarter units) Units

ENGL 1	Critical Reading and Composition	4
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1B - CRITICAL THINKING - ENGLISH COMPOSITION

(3 semester/4 quarter units)

ENGL 4A	Critical Thinking and Writing about Literature	4
ENGL 7A	Critical Thinking and Writing across Disciplines	4

Group 1C - ORAL COMMUNICATION

(3 semester/4 quarter units)

COMM 1	Fundamentals of Speech Communication	3
COMM 20	Persuasion and Communication	3
COMM 46	Argumentation and Debate	3

Area 2 - MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING

1 course (3 semester/4 quarter units)

BUS 19	Business Statistics	4
MTH 1	Calculus I	5
MTH 2	Calculus II	5
MTH 3	Multivariable Calculus	5
MTH 4	Elementary Differential Equations	3
MTH 6	Elementary Linear Algebra	3
MTH 8	Discrete Mathematics	3
MTH 15	Applied Calculus I	3
MTH 16	Applied Calculus II	3
MTH 20	Pre-Calculus Mathematics	5
MTH 31	College Algebra	3
MTH 31S	College Algebra with Support	4

MTH 33	Finite Mathematics	4
MTH 33S	Finite Mathematics with Support	4.5
MTH 43	Introduction to Probability and Statistics	4
MTH 43S	Introduction to Probability and Statistics with Support	5
MTH 44	Mathematics for Democracy	3
MTH 47	Mathematics for Liberal Arts	3
MTH 47S	Mathematics for Liberal Arts with Support	3.5
PSY 5	Introductory Statistics for the Behavioral and Social Sciences	4

Math courses numbered "S" or those courses with similar course content may be subject to transfer unit limits at UC.

Area 3 - ARTS AND HUMANITIES

3 courses, with at least one course from the Arts and one course from 3A and one course from 3B (9 semester/12 quarter units)

Area 3A - ARTS

ARTH 1	Introduction to Art	3
ARTH 3	Film History and Appreciation	3
ARTH 4	Art History-Ancient to Gothic	3
ARTH 5	Art History - Renaissance to Modern-Day	3
ARTH 6	Art History - Twentieth- and Twenty-First Century Art	3
ARTH 7	Multicultural History of American Art	3
ARTH 8	Non-Western Art	3
ARTH 20	History of Photography	3
ES 5	Critiquing Race and Gender in Popular Culture	3
MUSL 1	Introduction to Music	3
MUSL 3	World Music	3
MUSL 4	Jazz Styles	3
MUSL 8	History of Rock and Roll and Popular Music	3
PHOT 20	History of Photography	3
THTR 10	Introduction to Theater Arts	3
THTR 11	Stage to Film	3
THTR 12	Film as Art & Communication	4
THTR 14	American Cultures in Theater	3

3B-HUMANITIES

ARTH 4	Art History-Ancient to Gothic	3
ARTH 7	Multicultural History of American Art	3
ARTH 20	History of Photography	3
COMM 6	Introduction to Performance Studies	3
ENGL 20	Studies in Shakespeare	3
ENGL 21	The Evolution of the Black Writer	3
ENGL 22	Mexican American/Latino Literature of the U.S.	3
ENGL 25	Asian-American Literature	3
ENGL 28	Classic and Contemporary Youth Literature	3
ENGL 31	Introduction to Gay and Lesbian Literature	3
ENGL 32	U.S. Women's Literature	3
ENGL 35	Modern and Contemporary U.S. Literature	3
ENGL 41	World Literature (17th Century to the Present)	3
ENGL 45	Studies in Fiction	3
ENGL 48	The Literature of the Holocaust	3
ES 5	Critiquing Race and Gender in Popular Culture	3
FRNC 2A	Intermediate French	4
FRNC 2B	Advanced French	4
HIS 1	History of Western Civilization to 1600	3
HIS 2	History of Western Civilization Since 1600	3
HIS 3	World History: Beginnings to 1500	3
HIS 4	World History: 1500 to the Present	3
HIS 33	Modern Latin America	3

HUMN 60	Creativity and the Community	3
HUMN 68	World Mythology	3
ITAL 2A	Intermediate Italian	4
ITAL 2B	Advanced Italian	4
JAPN 2A	Intermediate Japanese	4
JAPN 2B	Advanced Japanese	4
PHIL 50	Introduction to Philosophy	3
PHIL 60	Introduction to Philosophy: Ethics	3
PHIL 65	Introduction to Philosophy: Theory of Knowledge	3
PHIL 70	Introduction to Political and Social Philosophy	3
PHOT 20	History of Photography	3
RELS 50	Religions of the World	3
RELS 64	The Nature of Islam	3
RELS 65	Religions of Asia	3
RELS 70	Spiritual Traditions and Contemporary Voices	3
SPA 2A	Intermediate Spanish	4
SPA 2B	Advanced Spanish	4

Area 4 - SOCIAL AND BEHAVIORAL SCIENCES

3 courses, from at least two disciplines (9 semester/12 quarter units)

ADMJ 45	Law and Democracy	3
ADMJ 50	Introduction to the Administration of Justice	3
ADMJ 60	Criminal Law	3
ANTH 1	Biological/Physical Anthropology	3
ANTH 2	Introduction to Archaeology	3
ANTH 3	Social and Cultural Anthropology	3
ANTH 4	Language and Culture	3
ANTH 5	Cultures of the U.S. in Global Perspective	3
ANTH 6	Anthropology of Sex and Gender	3
ANTH 7	Introduction to Global Studies	3
ANTH 8	Native American Cultures	3
ANTH 12	Magic, Religion, Witchcraft and Healing	3
BIOL 80	Introduction to Public Health	3
HLTH 80	Introduction to Public Health	3
BUS 20	Law and Society	3
COMM 11	Intercultural Communication	3
COMM 12	Gender, Sexual Identity, and Communication	3
COMM 50	Introduction to Communication Studies	3
ECD 52	Childhood and Adolescence	3
ECD 56	Child Growth and Development	3
ECN 1	Principles of Microeconomics	3
ECN 2	Principles of Macroeconomics	3
ECN 10	General Economics	3
ENST 1	Introduction to Environmental Studies	3
ES 1	Introduction to Ethnic Studies	3
ES 2	Contemporary Ethnic Minority Families in the U.S.	3
ES 3	Introduction to Muslim-American Studies	3
ES 4	Intro to Latinx Studies	3
ES 5	Critiquing Race and Gender in Popular Culture	3
ES 6	Intro to Pacific Islands and Oceania Studies	3
ES 7	Women of Color in the United States: Introduction to Race, Gender, and Sexuality Studies	3
ES 10	Introduction to Asian American Studies	3
ES 25	American Indian History and Culture	3
ES 42	Asian American History: 18th Century to 1945	3
ES 43	Asian American History: Early 20th Century - 21st Century	3
ES 52	Mexican American History from Mesoamerica to The Mexican Revolution	3
ES 53	Mexican American History from The Mexican Revolution to the Present	3

AREA 5C - Lab Requirement (courses listed in Area 5C that are also listed in Area 5A or 5B may be used to satisfy both areas)

ANAT 1	General Human Anatomy	5
ANTH 1L	Biological/Physical Anthropology Laboratory	1
ANTH 13L	Forensic Anthropology Laboratory	1
ASTR 30	Introduction to Astronomy Lab	1
BIOL 2	Principles of Cell/Molecular Biology and Genetics	5
BIOL 4	Principles of Animal Biology and Evolution	4
BIOL 6	Principles of Plant Biology and Ecology	4
BIOL 10	Introduction to the Science of Biology	4
BIOL 31	Introduction to College Biology	4
BIOL 50	Anatomy and Physiology	4
CHEM 1A	General College Chemistry I	5
CHEM 1B	General College Chemistry II	5
CHEM 5	Quantitative Analysis	4
CHEM 10	Introduction to Chemistry	4
CHEM 12A	Organic Chemistry I	5
CHEM 12B	Organic Chemistry II	5
CHEM 30A	Introductory and Applied Chemistry I	4
CHEM 30B	Introductory and Applied Chemistry II	4
CHEM 31	Introduction to College Chemistry	4
ENSC 11	Humans and the Environment with Laboratory	4
ENSC 15L	Agroecology Laboratory	1
GEO 1L	Introduction to Physical Geography Laboratory	1
GEOS 1	Physical Geology with Laboratory	4
MICR 1	Microbiology	5
PHSI 1	Human Physiology	5
PHYS 3A	College Physics A	4
PHYS 3B	College Physics B	4
PHYS 4A	General Physics I	5
PHYS 4B	General Physics II	5
PHYS 4C	General Physics III	5
PHYS 11	Descriptive Physics	4
PSCI 15	Descriptive Physical Science: Introduction to Principles of Physical Science	5

Area 6 - LANGUAGE OTHER THAN ENGLISH
(UC requirement only)

Complete one course below, or the equivalent* or higher level language other than English course.

CHIN 1B	Elementary Chinese	5
CHIN 2A	Intermediate Chinese	4
CHIN 2B	Advanced Chinese	4
FRNC 1B	Elementary French	5
FRNC 1B2	Elementary French 2	3
FRNC 2A	Intermediate French	4
FRNC 2B	Advanced French	4
ITAL 1B	Elementary Italian	5
JAPN 1B	Elementary Japanese	5
SL 65	Intermediate Sign Language	3
SPA 1B	Elementary Spanish 1	5
SPA 1B2	Elementary Spanish 2	3
SPA 2A	Intermediate Spanish	4
SPA 2B	Advanced Spanish	4

*Language Other Than English proficiency is defined as two years of high school study in the same language, and may be satisfied with high school courses as well as additional options. See a counselor more more information.

Total Units **37**

COURSES

(REVISED CREDIT COURSE)

PSCN 85 FIELDWORK: SOCIAL WORK AND HUMAN SERVICES **3 UNITS**

This course offers the student a supervised field experience in a community organization, agency, or institution, allowing the student to apply knowledge and learn new skills outside of the classroom environment. A weekly class meeting provides the academic element to this experiential course offering and reinforces the application of concepts gained in the prerequisite courses. This course is designed to provide the student with an opportunity to develop skills that would facilitate gaining employment in the human services field. Students will be required to participate in a minimum of 90 hours of fieldwork per term. 1.50 Units Lecture 1.50 Units Work Experience (One unit of credit is earned for each 75 hours of paid work or 60 hours of volunteer work per semester.) **Prerequisite:** PSCN 5, (completed with a grade of "C" or higher) **Strongly Recommended:** ENGL 1, (completed with a grade of "C" or higher) PSCN 13, (completed with a grade of "C" or higher).

THEATER ARTS (THTR)

(REVISED DEGREE)

THEATER ARTS
ASSOCIATE IN ARTS (AA)

The AA in Theater Arts has two different concentrations, Acting and Technical Theater. The core required course will give all theater students a shared introduction into foundational knowledge of history, theory and practical approaches to theater, as well as exposure and connection to local Bay Area theater companies and artists. In each of the concentrations, students will gain deeper knowledge and skill in their respective areas; Acting students will develop their ability to interpret scripts, develop characters, audition, and effectively perform in live theater productions, as well as other performance formats such as voice over and on-camera acting; Tech students will gain skills in design, theory and construction through hands-on work, using state of the art equipment. The theater program mounts several productions each year, giving Acting and Tech students large projects in which to collaborate, practice and expand their skills. Productions include all genres and styles of theater, including Broadway style musicals, original student-written work, Shakespeare and theater for young audiences.

CAREER OPPORTUNITIES IN THEATER ARTS

An AA in Theater Arts gives foundational experience and knowledge that can lead to a wide range of career fields including: Producing, Directing, Acting, Playwriting, Screenwriting, Stage Technician, Set Design, Lighting Design, Sound Design, Costume Design, Makeup Design, Casting Director, Theatrical Agent, Education, Carpentry, Rigging, Voice Over, Promotions, Fund Raising.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Collaborate effectively with large groups on the mounting of theater productions.
2. Understand the process of producing, rehearsing and presenting theater productions.
3. Interpret scripts for design needs and/or acting needs.

REQUIRED COURSES: UNITS

THTR 1	Introduction to Acting	3
THTR 10	Introduction to Theater Arts	3
THTR 17	Script Analysis	3
THTR 18	Bay Area Theater	1
THTR 46	Stagecraft	3
THTR 48A	College Theater Technical: Introduction	3

Choose 1 Concentration - Technical Theater or Acting:

Technical Theater Concentration - Required Courses:

THTR 21	Introduction to Design for the Theater	3
THTR 22	Introduction to Design for the Theater: Emphasis in Costume and Makeup	3
THTR 23	Introduction to Lighting Design for Theater	3
THTR 41	Introduction to Stage Management	1
THTR 82	Introduction to Moving Lights	2
THTR 83	Stage Hand Basics	2
ART 2A	Introduction to Drawing	3
MURT 25	Live Concert Sound	1
WELD 63	Welding Layout & Fitting	2

Acting Concentration - Required Courses:

THTR 2A	Intermediate Acting	3
THTR 6A	Movement for the Actor	3
THTR 7	Voice for the Actor	3

Acting Concentration - List A (Choose 3 Units):

THTR 2B	Advanced Acting	3
THTR 3	Improvisation for the Theater	3
THTR 4A	Introduction to Acting on Camera	3
THTR 6B	Advanced Movement for the Actor	3
THTR 8A	Audition Technique and the Business of Acting	3
THTR 14	American Cultures in Theater	3
THTR 15A	Introduction to Directing for Theater	3
THTR 16A	Introduction to Dramatic Writing	3
THTR 32A	Theater Workshop Writing and Directing: Introduction	1
THTR 32B	Theater Workshop Writing and Directing: Beginning	1
THTR 32C	Theater Workshop Writing and Directing: Intermediate	1
THTR 32D	Theater Workshop Writing and Directing: Advanced	1

Acting Concentration - List B (Choose 3 Units):

THTR 21	Introduction to Design for the Theater	3
THTR 22	Introduction to Design for the Theater: Emphasis in Costume and Makeup	3
THTR 23	Introduction to Lighting Design for Theater	3

Acting Concentration - List C (Choose 3 Units):

THTR 5A	Introduction to Theater for Young Audiences	3
THTR 30A	Introduction to Emerging Work	3
THTR 38A	Holiday Play	3
THTR 47A	Introduction to College Theater Acting	3
THTR 61A	Social Issues Theater	3

Strongly Recommended

BUS 43 *	Personal Financial Planning	3
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Unit Calculations

Major Requirements:	34 - 36
General Education	25
Electives: Degree applicable units as needed	

For specific A.A. General Education courses refer to catalog section on A.A. General Education Requirements.

Total Units	60
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*Theater artists are typically independent contractors and will be helped by having an understanding of business and handling finances.

(NEW)

ACTING: FUNDAMENTALS CERTIFICATE OF ACHIEVEMENT (COA)

This certificate can be completed in one academic year and is designed to quickly give students foundational skills and knowledge in the art of acting. It can also be useful for more experienced actors looking to further develop their craft. The core required courses will give a strong understanding of how to approach any acting role, with an array of optional courses that will deepen the student's understanding and abilities. The courses completed for this certificate may also be used towards the more comprehensive Acting: Advanced and some courses can be applied towards the AA and/or AA-T in Theater Arts.

CAREER OPPORTUNITIES IN ACTING: FUNDAMENTALS

The Bay Area has a thriving scene for actors that includes opportunities in Theater, Independent film, commercials, Voice Over work. Skills learned and developed with this certificate will also give students the knowledge and confidence needed in order to enter larger markets in the acting field such as Los Angeles, Chicago and New York.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Develop a role for performance in a play
2. Understand the communication between actor and director in the rehearsal process of a play or film

Required Courses

THTR 1	Introduction to Acting	3
THTR 2A	Intermediate Acting	3
THTR 17	Script Analysis	3
THTR 18	Bay Area Theater	1

List A (Choose 1 course):

THTR 3	Improvisation for the Theater	3
THTR 4A	Introduction to Acting on Camera	3
THTR 6A	Movement for the Actor	3
THTR 7	Voice for the Actor	3
THTR 8A	Audition Technique and the Business of Acting	3
THTR 10	Introduction to Theater Arts	3

List B (Choose 1 course):

THTR 5A	Introduction to Theater for Young Audiences	3
THTR 30A	Introduction to Emerging Work	3
THTR 38A	Holiday Play	3
THTR 47A	Introduction to College Theater Acting	3
THTR 61A	Social Issues Theater	3

Strongly Recommended

BUS 43 *	Personal Financial Planning	3
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Total Units **16**

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(NEW)

ACTING: ADVANCED CERTIFICATE OF ACHIEVEMENT (COA)

Completion of this certificate will give a student a very strong and broad understanding of the acting process, as well as prepare them for further study or participation in the professional world of performing arts. Students who complete the certificate will receive instruction in various acting techniques, script analysis, the use of body and voice as it applies to acting, as well as learn about the contemporary and historical contexts of theater and other story telling forms. By completing all the courses in this certificate students will also complete the Acting Certificate 1. Some courses may also be used toward completion of the AA and/or AA-T in Theater Arts.

CAREER OPPORTUNITIES IN ACTING: ADVANCED

There are opportunities for actors in theater, film, commercials, television and voice over. These opportunities exist in every large to medium urban market in the country. Skills also apply in many other fields such as teaching and all forms of public speaking.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Analyze a play for style and historical context
2. Create a multi-dimensional character for performance in a play
3. Work collaboratively with a large group to tell a clear and dynamic story in the presence of an audience.

REQUIRED COURSES (22 UNITS):

		UNITS
THTR 1	Introduction to Acting	3
THTR 2A	Intermediate Acting	3
THTR 6A	Movement for the Actor	3
THTR 7	Voice for the Actor	3
THTR 8A	Audition Technique and the Business of Acting	3
THTR 10	Introduction to Theater Arts	3
THTR 17	Script Analysis	3
THTR 18	Bay Area Theater	1

List A (3 Units)

THTR 5A	Introduction to Theater for Young Audiences	3
THTR 30A	Introduction to Emerging Work	3
THTR 38A	Holiday Play	3
THTR 47A	Introduction to College Theater Acting	3
THTR 61A	Social Issues Theater	3

List B (3 Units)

THTR 2B	Advanced Acting	3
THTR 3	Improvisation for the Theater	3
THTR 4A	Introduction to Acting on Camera	3
THTR 6B	Advanced Movement for the Actor	3
THTR 8B	Advanced Audition Technique and the Business of Acting	3
THTR 32A	Theater Workshop Writing and Directing: Introduction	1
THTR 32B	Theater Workshop Writing and Directing: Beginning	1
THTR 32C	Theater Workshop Writing and Directing: Intermediate	1

Strongly recommended

BUS 43 *	Personal Financial Planning	3
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Total Units **28**

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(NEW)

TECHNICAL THEATER CERTIFICATE OF ACHIEVEMENT

The Technical Theater program provides students a comprehensive foundation in the various areas of technical theater including; scenic construction; welding; sound, lighting and rigging set up; stage management; moving lights; set design and lighting design. The certificate includes the potential immediate opportunity for employment upon completion with The Performing Arts Center at Chabot College. Students completing the program will be well prepared for entry-level positions as well as transfer to higher level education in multiple Technical Theater disciplines.

CAREER OPPORTUNITIES IN THEATER ARTS

According to LMI data from April 2019, there is an undersupply 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.

PROGRAM LEARNING OUTCOMES

Upon the completion of the program the student should be able to:

1. Apply for work on an entry level as a Stage Hand;
2. Work in collaboration with designers and builders in preparing a set for performance;
3. Execute the technical preparation of a theater for performance.

Required Courses:	Units
THTR 21 Introduction to Design for the Theater	3
THTR 23 Introduction to Lighting Design for Theater	3
THTR 41 Introduction to Stage Management	1
THTR 82 Introduction to Moving Lights	2
THTR 83 Stage Hand Basics	2
THTR 46 Stagecraft	3
THTR 48A College Theater Technical: Introduction	3
ART 2A Introduction to Drawing	3
MURT 25 Live Concert Sound	1
WELD 63 Welding Layout & Fitting	2

Recommended Course	Units
BUS 43 * Personal Financial Planning	3

Total Units **23**

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COURSES

(NEW CREDIT COURSE)

2A INTERMEDIATE ACTING 3 UNITS

This course follows THTR 1 and continues the exploration of theories and techniques used in preparation for the interpretation of drama through acting. The emphasis will be placed on deepening the understanding of the acting process through character analysis, monologues, and scenes. The course will help students better prepare for participation in full scale theater productions as well as continue with other training and education options. 54 hours lecture, 18 hours laboratory. **Prerequisite:** THTR 1 (completed with a grade of "C" or higher).

(NEW CREDIT COURSE)

2B ADVANCED ACTING 3 UNITS

This course builds upon skills developed through study in THTR 1 and THTR 2A. Strong emphasis will be put on developing specific three dimensional characters, strengthening acting choices and clear use of language through use of scene and monologue study and presentation. Students will work on greater emotional depth and authenticity. 54 hours lecture. 18 hours laboratory. **Prerequisite:** THTR 2A (completed with a grade of "C" or higher).

(NEW CREDIT COURSE)

4A INTRODUCTION TO ACTING ON CAMERA 3 UNITS

Learn approaches for preparing, rehearsing and performing on camera that can be used for commercials, film and television work. Students will prepare and perform scenes and monologues that will be shot on camera in studio and on-location settings. May not receive credit if THTR 4 has been completed. 54 hours lecture. 18 hours laboratory. **Strongly Recommended:** THTR 1 (completed with a grade of "C" or higher), THTR 17 (completed with a grade of "C" or higher).

(NEW CREDIT COURSE)

4B ADVANCED ACTING ON CAMERA 3 UNITS

This course builds on the skills developed in THTR 4A, deepening student's understanding of how to perform on camera with authenticity and believability. Scenes will be more complex and demanding than those at the previous level. Strong focus will be given to building an inner life that helps support the character being played and the story being told. 54 hours lecture. 18 hours laboratory. **Prerequisite:** THTR 4A (completed with a grade of "C" or higher). or, THTR 4 (completed with a grade of "C" or higher). **Strongly Recommended:** THTR 1 (completed with a grade of "C" or higher). and, THTR 2A (completed with a grade of "C" or higher). or, THTR 2.

(NEW CREDIT COURSE)

6A MOVEMENT FOR THE ACTOR 3 UNITS

Work with a variety of physical techniques to help with the development of character, improve stage presence, command focus, be in control of the story when on stage and be more specific in your work as an actor or improviser. Techniques include use of mask, improvisation and stage combat. Students work together to create their own scenes and performance pieces based on the work in class. May not receive credit if THTR 6 has been completed. 54 hours lecture. 18 hours laboratory. **Strongly Recommended:** THTR 1 or, THTR 3 or, THTR 5A or, THTR 30A or, THTR 47A.

(NEW CREDIT COURSE)

6B ADVANCED MOVEMENT FOR THE ACTOR 3 UNITS

Students will build on skills developed in THTR 6A. Specific areas of development will include relaxation while on stage, physical and emotional connection to characters being played, use of psychological gestures, improvisation with masks, and stage combat techniques. 54 hours lecture. 18 hours laboratory. **Prerequisite:** THTR 6A (completed with a grade of "C" or higher). or, THTR 6 (completed with a grade of "C" or higher). **Strongly Recommended:** THTR 1 or, THTR 3.

(NEW CREDIT COURSE)

8A AUDITION TECHNIQUE AND THE BUSINESS OF ACTING 3 UNITS

This course will give students an understanding of what is required in order to be a professional actor, as well as what it takes to pursue advanced acting degrees. The main focus will be on the audition process for theater, commercials and film. Students will receive coaching on contemporary and classical monologues, and learning techniques for cold-reads during a call-back. Other topics will include resumes, headshots and the basics of actor promotions. May not receive credit if THTR 8 has been completed. 54 hours lecture. 18 hours laboratory. **Strongly Recommended:** THTR 1.

(NEW CREDIT COURSE)

8B ADVANCED AUDITION TECHNIQUE AND THE BUSINESS OF ACTING 3 UNITS

This course builds on skills learned in THTR 8A. Emphasis will be put on the development of a full repertoire of monologues for a variety of audition situations. Students will finish the semester prepared to audition for professional acting work as well as actor training programs and 4 year schools. Other topics will include current trends in actor promotions, development of a professional resumes and how to prepare for professional head shots. 54 hours lecture. 18 hours laboratory. **Prerequisite:** THTR 8A (completed with a grade of "C" or higher). or , THTR 8 (completed with a grade of "C" or higher).. **Strongly Recommended:** THTR 1 (completed with a grade of "C" or higher).

(NEW CREDIT COURSE)

17 SCRIPT ANALYSIS 3 UNITS

This course provides techniques for reading a script in preparation for production. Focus is on principles of structural dynamics, how scripts reflect cultural and social norms and values and how to apply differing theories as actors, directors and designers for their respective contributions to projects. The first job of any theater artist is to understand the script they are working on. This course builds the ability to perceive the writer's intention in writing a script, giving students skills for bringing scripts to life in productions. 54 hours lecture.

(NEW CREDIT COURSE)

18 BAY AREA THEATER 1 UNIT

This course focuses on going to see live plays in the Bay Area. Through analysis of plays, discussions with theater artists and going to see productions, students will get a close up look at the thriving Bay Area theater scene as well as learn about current trends in theater nationally. Culturally enriching - great for the curious, for theater fans and for theater artists alike. There will be some cost for the purchase of theater tickets and transportation to attend performances, up to but no more than \$100 for the semester. Part of the learning experience of the course will be identifying inexpensive opportunities for viewing live theater. Some costs may be supplemented by the Theater program. 18 hours lecture.

(NEW CREDIT COURSE)

23 INTRODUCTION TO LIGHTING DESIGN FOR THEATER 3 UNITS

This course involves the study and execution of stage lighting with emphasis on equipment, control, color and their relationship to design. 36 hours lecture. 54 hours laboratory.

(NEW CREDIT COURSE)

32A THEATER WORKSHOP WRITING AND DIRECTING: INTRODUCTION 1 UNIT

This course supports students who are either writing or directing material that is in the process of being rehearsed and performed in other courses. Student writers will learn basics of story structure and dialogue. Student directors will learn basics of analyzing a text for production. This course will typically accompany THTR 30A and THTR 61A, or any other course where the focus is producing original student writing and directing. Students writing and directing in these other courses will be asked to enroll in THTR 32A as a way of giving more direct instruction and support to those students. 54 hours laboratory.

(NEW CREDIT COURSE)

32B THEATER WORKSHOP WRITING AND DIRECTING: BEGINNING 1 UNIT

This course supports students who are either writing or directing material that is in the process of being rehearsed and performed in other courses. The course builds on the skills developed in THTR 32A. Student writers will improve abilities with creating story structure and dialogue, as well as create multi-dimensional characters. Student directors will focus on how to prepare for and manage a rehearsal. This course will typically accompany THTR 30A and THTR 61A, or any other course where the focus is producing original student writing and directing. Students writing and directing in these other courses will be asked to enroll in THTR 32B as a way of giving more direct instruction and support to those students. 54 hours laboratory. **Prerequisite:** THTR 32A.

(NEW CREDIT COURSE)

32C THEATER WORKSHOP WRITING AND DIRECTING: INTERMEDIATE 1 UNIT

This course supports students who are either writing or directing material that is in the process of being rehearsed and performed in other courses. THTR 32 C builds on the skills developed in THTR 32 A and B. Student writers will focus on clear and effective communication with a director and working with notes given during a rehearsal process. Student directors will focus on how to communicate and problem solve with writers and actors taking into account the differences of each script and each person they are working with. This course will typically accompany THTR 30A and THTR 61A, or any other course where the focus is producing original student writing and directing. Students writing and directing in these other courses will be asked to enroll in THTR 32C as a way of giving more direct instruction and support to those students. 54 hours laboratory. **Prerequisite:** THTR 32B (completed with a grade of "C" or higher).

(NEW CREDIT COURSE)

32D THEATER WORKSHOP WRITING AND DIRECTING: ADVANCED 1 UNIT

This course supports students who are either writing or directing material that is in the process of being rehearsed and performed in other courses. Student writers will focus on using all skills developed in previous levels and applying them to re-writing material quickly and effectively during a rehearsal process. Student directors will focus on how to communicate with writers and designers to effectively bring to life a play with fully realized technical elements. This course will typically accompany THTR 30A and THTR 61A, or any other course where the focus is producing original student writing and directing. Students writing and directing in these other courses will be asked to enroll in THTR 32D as a way of giving more direct instruction and support to those students. 54 hours laboratory. **Prerequisite:** THTR 32C (completed with a grade of "C" or higher).

(NEW CREDIT COURSE)

38A HOLIDAY PLAY 3 UNITS

This course gives students the opportunity to participate in a stage play or podcast of a play that focuses on themes appropriate to holiday festivities. Students of all levels of experience will be given the opportunity to participate. 54 hours lecture. 18 hours laboratory.

(NEW CREDIT COURSE)

41 INTRODUCTION TO STAGE MANAGEMENT 1 UNIT

This course introduces the responsibilities, techniques, and tools of a modern stage manager for live events. Areas covered will include creating schedules, prompt books, and other paperwork; organizing and managing crew; managing production meetings; managing the rehearsal process; running performances. 54 hours laboratory. **Strongly Recommended:** THTR 46 (completed with a grade of "C" or higher), THTR 48A (completed with a grade of "C" or higher), THTR 30A.

(NEW CREDIT COURSE)

46 STAGECRAFT 3 UNITS

An introduction to technical theater and the creation of scenic elements. Includes basic concepts of design, use of shop tools, painting techniques, set construction, set movement, prop construction, backstage organization, and career possibilities. May include stage management, lighting, and/or sound techniques. Lecture, reading, projects, and practical experience. 36 hours lecture. 54 hours laboratory.

(REVISED CREDIT COURSE)

61A SOCIAL ISSUES THEATER 3 UNITS

Students will create, develop, and perform an original theater piece based on social issues relevant to a local group or organization. The project will be based on community meetings and discussions to understand community issues of concern that will inform and drive the script and production. 54 hours lecture. 18 hours laboratory. **Strongly Recommended:** THTR 1 (completed with a grade of "C" or higher).

(REVISED CREDIT COURSE)

61B ADVANCED SOCIAL ISSUES THEATER 3 UNITS

Students will create, develop, and perform an original theater piece based on social issues relevant to a local group or organization. The project will be based on community meetings and discussions to understand community issues of concern that will inform and drive the script and production. Students will build on skills developed in THTR 61A, taking on more responsibilities and providing leadership. 54 hours lecture. **Prerequisite:** THTR 61A (completed with a grade of "C" or higher.)

(NEW CREDIT COURSE)

82 INTRODUCTION TO MOVING LIGHTS 2 UNITS

This course offers an introduction to the technology and applications of intelligent lighting systems for the entertainment industry. Students will learn the theory and vocabulary specific to moving light technology while developing skills through hands on use of industry standard equipment. 108 hours laboratory.

(NEW CREDIT COURSE)

83 STAGE HAND BASICS 2 UNITS

Students will work on skills specific to jobs that require the position of a Stage Hand. Skills specific to rigging, audio set up and lighting set ups for events will be covered. Best practices will be taught through hands on work, including working live events. 108 hours laboratory. **Strongly Recommended:** THTR 46 (completed with a grade of "C" or higher) and, THTR 48A (completed with a grade of "C" or higher).

TUTORING (TUTR)

(REVISED NONCREDIT COURSE)

200 SUPERVISED TUTORING 80 HOURS

Provides individual learning opportunities for students with expressed needs. Includes study strategies, learning modes, and developmental materials. All learning experiences will be under instructional supervision. Course is repeatable and offered free of charge. 80 hours laboratory.

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