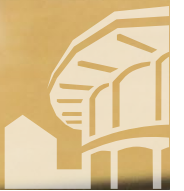




Catalog Addendum 2019-2020





CATALOG UPDATE

The current Chabot College catalog covers the period 2019-2020. Chabot College will not produce a new catalog this year but, rather, this addendum which reflects all changes or corrections through Fall 2019. It is anticipated that a fully revised college catalog will be produced in Fall 2020.

This catalog supplement should be used by students and staff along with the existing 2018-2020 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		COA	Certificate of Completion	COP*
	AA	AA-T	AS	AS-T			
Accounting			X				
Accounting Technician					X		
Administration of Justice	X			X			
Administrative Assistant			X		X		
Administrative Assistant Entrepreneur							X
Advanced Manufacturing Technology			X		X		
Anthropology	X	X					
Aquatics					X		X
Architecture	X		X				
Architecture Technology					X		
Architecture Transfer Preparation							
Art (General)	X						
Art—Emphasis in Ceramics	X						
Art—Emphasis in Painting	X						
Art—Emphasis in Sculpture	X						
Art History	X						
ASE Test Preparation						X	
ASE Under Car Test Preparation						X	
Audio Recording							X
Automotive Technology			X				
Automotive Technology (Emphasis in BMW Manufacture Training)			X				
Automotive Maintenance Technology					X		

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

Program	Associate in Arts		Associate in Science		COA	Certificate of Completion	COP*
	AA	AA-T	AS	AS-T			
Automotive Chassis Technology					X		
Automotive Drivetrain Technology					X		
Automotive Engine Performance Technology					X		
Automotive Service Consulting					X		
Automotive Technology Entrepreneur							X
BMW Manufacture Training					X		
Behavioral Science (General)	X						
Biology	X			X			
Biology—Emphasis in Allied Health	X						
Bookkeeping					X		
Business			X				
Business (Emphasis, Management)			X				
Business (Emphasis, Marketing)			X				
Business—Transfer					X		
Business Administration				X			
CPA Exam Preparation: Business Environment and Regulation							X
CPA Exam Preparation: Financial Accounting and Auditing							X
California State University General Education Breadth (CSU/GE Breadth)					X		
Case Management for Human Services							X
Chemistry			X				
Coaching					X		X
Communication Studies		X					
Computer Science (General)	X		X				

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

Program	Associate in Arts		Associate in Science		COA	Certificate of Completion	COP*
	AA	AA-T	AS	AS-T			
Consumer Technology					X		
Consumer Technology Entrepreneur							X
Creative Writing							X
Dental Hygiene	X						
Digital Photography					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					
Electronic Systems Technology			X				
Elementary Teacher Education		X					
Engineering			X				
English		X					
English—Emphasis in Literature	X						
Entrepreneurship			X				X
Environmental Studies	X						
Ethnic Studies	X						
Fine Art Ceramics	X						
Fine Art Painting and Drawing	X						
Fine Art Sculpture	X						
Fine Art Studio Foundations	X						
Fire Technology	X		X		X		
Fire Prevention Inspector	X		X		X		
Forensics							X

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

Program	Associate in Arts		Associate in Science		COA	Certificate of Completion	COP*
	AA	AA-T	AS	AS-T			
Fitness Instructor					X		X
Game Audio							X
Geographic Information Systems							X
French	X				X		
Geography	X	X					
Global Studies		X					
Graphic Design					X		
Health Care Management					X		
Human Resources Assistant					X		
Human Services (see also Case Management and Multi-cultural Awareness)	X		X				
Humanities (General)	X						
Hybrid and Alternative Fuel Vehicles					X		
Illustration							X
Industrial Electronic Technology					X		
Industrial Technology			X				
Information Technology			X		X		
Information Technology Support Entrepreneur					X		
Inspection and Pipe Welding							X
Interior Design			X		X		
International Studies	X						
Interpersonal Communication							X
Intersegmental General Ed Transfer Curriculum (IGETC)					X		
Japanese					X		
Jazz Studies							X
Journalism	X	X					
Kinesiology		X					
Kitchen and Bath Design					X		

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

Program	Associate in Arts		Associate in Science		COA	Certificate of Completion	COP*
	AA	AA-T	AS	AS-T			
Liberal Arts	X						
Machinist					X		
Management					X		
Marketing					X		
Mass Communications	X						
Mathematics	X		X	X			
Medical Assisting	X				X		
Multicultural Awareness/Relations for the Service Provider							X
Multicultural Awareness/Self-Reflection							X
Music	X	X					
Music Industry Entrepreneur							X
Music Production							X
Numerical Control			X				
Numerical Control Programmer (Machinist)					X		
Nursing	X						
Nursing Program, LVN Pathway for Associate in Arts	X						
Office Technology					X		X
Personal Fitness Training Entrepreneur							X
Personal & Group Fitness Training					X		
Photography	X						X
Physical Education	X						
Political Science		X					
Project Management							X
Psychology		X					
Public Health Science				X			
Radio and Television Broadcasting	X						
Real Estate	X						
Real Estate Agent							X

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

Program	Associate in Arts		Associate in Science		COA	Certificate of Completion	COP*
	AA	AA-T	AS	AS-T			
Real Estate Broker					X		
Real Estate Entrepreneur							X
Retail Management			X		X		
Retailing							X
Rhetoric							X
Small Business Management					X		
Social Justice Studies: Ethnic Studies		X					
Social Science (General)	X						
Sociology		X					
Software Specialist			X		X		
Spanish	X	X			X		
Speech Communication	X						
Sports Injury Care					X		X
Studio Art		X					
Technical Design							X
Theatre Arts		X					
Theater Arts	X						
Tool Maker					X		
Welding							X
Welding Technology			X				
Writing							X
Women's Studies					X		

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



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 Overview

Division	Programs	Programs w/ PLOS Written	Discussed and Documented
Arts Humanities & Social Science	53	53 – 100%	53 – 100%
Applied Technology and Business	64	56 – 87.5%	47 – 73.4%
Counseling	9	9 – 100%	9 – 100%
Health Physical Education and Athletics	19	19 – 100%	10 – 52.6%
Language Arts	7	7 – 100%	7 – 100%
Library	1	1 – 100%	1 – 100%
Science and Math	13	13 – 100%	13 – 100%
Chabot	166	158 – 95.2%	140 – 84.3%





CHABOT COLLEGE PROGRAM LEARNING OUTCOMES (PLOS)

Program – Degree/ Certificate	Outcomes
30 Unit LVN RN Non-Degree	<ol style="list-style-type: none"> 1. Incorporate the core of knowledge unique to the nursing profession in the delivery of health care in acute, chronic, or community health settings. 2. Utilize the nursing process to provide care for clients, families and significant others with diverse health needs and practices. 3. Respond to the demands of rapidly changing information technology by incorporating computer literacy in health care delivery and utilizing the internet for research.
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. Create effective oral and written business communications using modern communication technologies. 4. Apply critical thinking and analytical skills in decision making and problem solving.
Administration of Justice – AA	<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.
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. Demonstrate knowledge of office application software and be able to apply the appropriate software applications to solve problems. 2. Use appropriate terminology and English skills. 3. Proficiency in keyboarding 4. Students are able to organize, communicate and function in a business and office environment.
Administrative Assistant Entrepreneur – COP	<ol style="list-style-type: none"> 1. Demonstrate knowledge of all core Microsoft Office programs. 2. Demonstrate knowledge of preparing a basic business plan with a core value proposition for an entrepreneurial venture. 3. Evaluate and solve the challenges faced by entrepreneurs.

<p style="text-align: center;">Advanced Manufacturing Technology – AS</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. 3. The student will demonstrate the skills appropriate to the selected area of specialization for entry to the advanced manufacturing workforce.
<p style="text-align: center;">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 style="text-align: center;">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 style="text-align: center;">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 style="text-align: center;">Aquatics – COA</p>	<ol style="list-style-type: none"> 1. Demonstrate knowledge of using the equipment safely and effectively. 2. Develop the ability to track heart rate effectively for resting heart rate (RHR) and during the performance of exercise. 3. Demonstrate the biomechanics as they pertain to four competitive strokes; free style, backstroke, breaststroke, and butterflies.
<p style="text-align: center;">Aquatics – COP</p>	<ol style="list-style-type: none"> 1. Demonstrate knowledge of using the equipment safely and effectively. 2. Develop the ability to track heart rate effectively for resting heart rate (RHR) and during the performance of exercise. 3. Demonstrate the biomechanics as they pertain to four competitive strokes; free style, backstroke, breaststroke, and butterflies.
<p style="text-align: center;">Architecture – AA</p>	<ol style="list-style-type: none"> 1. Develop architectural and freehand skills. 2. Identify and explain the behavior appearance and use building materials. 3. Incorporate the basic Uniform Building Code requirements to construction drawings. 4. Describe and apply knowledge of the structural systems using wood, steel, masonry, and concrete.
<p style="text-align: center;">Architecture – AS</p>	<ol style="list-style-type: none"> 1. Develop computer drafting skills. 2. Develop advanced presentation skills. 3. Apply the basic Uniform Building Code requirements to residential and commercial drawings. 4. Use wood, truss, steel, masonry, and concrete to apply to structural systems.

Architecture Technology – COA	<ol style="list-style-type: none"> 1. Develop computer Rendering and drafting skills. 2. Develop advanced presentation skills in 3D forms and posters. 3. Incorporate Uniform Building Code requirements and City regulations to residential. 4. Use different materials such as wood, truss, steel, masonry, and concrete to apply to structural systems.
Art (General) – AA	<ol style="list-style-type: none"> 1. Demonstrate visual literacy and explain it in terms of the elements and principles of design. 2. Demonstrate an ability to work with the media (drawing, painting, clay, etc.) of the discipline.
Art History – AA	<ol style="list-style-type: none"> 1. Develop the ability to interpret artistic content through the analysis of subject matter and form. 2. Acquire a critical understanding of art in historical eras that accounts for changing cultural frameworks over time.
Art-Emphasis in Ceramics – AA	<ol style="list-style-type: none"> 1. Demonstrate visual literacy and explain it in terms of the elements and principles of design. 2. Demonstrate an ability to work with the media (drawing, painting, clay, etc.) of the discipline.
Art-Emphasis in Painting – AA	<ol style="list-style-type: none"> 1. Demonstrate visual literacy and explain it in terms of the elements and principles of design. 2. Demonstrate an ability to work with the media (drawing, painting, clay, etc.) of the discipline.
Art-Emphasis in Sculpture – AA	<ol style="list-style-type: none"> 1. Demonstrate visual literacy and explain it in terms of the elements and principles of design. 2. Demonstrate an ability to work with the media (drawing, painting, clay, etc.) of the discipline.
ASE Test Preparation – COC	<ol style="list-style-type: none"> 1. Students completing the Chabot ASE Preparation Certificate of Completion courses will be able to demonstrate the expertise needed to successfully pass Automotive Service Excellence (ASE) certification examinations in the applicable subject areas.
ASE Under Car Test Preparation – COC	<ol style="list-style-type: none"> 1. Students completing the Chabot ASE Under Car Test Preparation Certificate of Completion courses will be able to demonstrate the expertise needed to successfully pass Automotive Service Excellence (ASE) certification examinations in the applicable subject areas.
Astronomy – Discipline	<ol style="list-style-type: none"> 1. Understand and apply key principles of astronomy using applicable vocabulary; including employing the scientific method to organize, prioritize, and problem solve. Astronomy (10, 20). 2. Demonstrate knowledge of explaining how and where the human species fits into the immense, complex and ever-changing universe. Astronomy (10, 20). 3. Understand and apply key principles of observational and theoretical astronomy using applicable vocabulary and relating them to hands-on laboratory activities; including employing the scientific method to organize, prioritize, and problem solve.
Athletics – Discipline	<ol style="list-style-type: none"> 1. Evaluate, plan and create success as a participant on an athletic team. 2. Plan and implement an individual physical conditioning program prior to the sport season in order to be prepared to begin participation. 3. Demonstrate the ability to relate to teammates, coaches and the competitive atmosphere in a manner that enhances sportsmanship as well as their participation as well as the team environment.

<p style="text-align: center;">Automotive Chassis 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. Demonstrate the ability to perform automotive operations in a timely and professional manner with limited supervision. 3. Demonstrate an ethical code conforming to the highest standards of the automotive industry. 4. Prepared to obtain employment in the automotive industry.
<p style="text-align: center;">Automotive Drivetrain 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. Demonstrate the ability to perform automotive operations in a timely and professional manner with limited supervision. 3. Demonstrate an ethical code conforming to the highest standards of the automotive industry. 4. Prepared to obtain employment in the automotive industry.
<p style="text-align: center;">Automotive Engine Performance 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. Demonstrate the ability to perform automotive operations in a timely and professional manner with limited supervision. 3. Demonstrate an ethical code conforming to the highest standards of the automotive industry. 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. Demonstrate the ability to perform automotive operations in a timely and professional manner with limited supervision. 3. Demonstrate an ethical code conforming to the highest standards of the automotive industry. 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 vehicle maintenance, service, diagnosis, and repair of current vehicles. 2. Demonstrate the ability to perform automotive operations in a timely and professional manner with limited supervision. 3. Demonstrate an ethical code conforming to the highest standards of the automotive industry. 4. Prepared to obtain employment in the automotive industry.
<p style="text-align: center;">Automotive Technology (Emphasis in BMW Manufacture Training) – AS</p>	<ol style="list-style-type: none"> 1. Demonstrate the expertise needed to perform vehicle maintenance, service, diagnosis, and repair of current BMW vehicles, 2. Demonstrate the ability to perform automotive operations in a timely and professional manner with limited supervision. 3. Demonstrate an ethical code conforming to the highest standards of the automotive industry. 4. Prepared to obtain employment in the automotive industry.

Automotive Technology Entrepreneur – COP	<ol style="list-style-type: none"> 1. Understand the fundamentals of automotive technology. 2. Articulate a core value proposition for an entrepreneurial venture. 3. Demonstrate how to prepare a high quality business plan for a new venture. 4. Evaluate and solve challenges faced by entrepreneurs.
Behavioral Science (General) – AA	<ol style="list-style-type: none"> 1. Demonstrate an understanding of the major theoretical perspectives included the behavioral sciences. 2. Demonstrate an understanding of research methods used in the behavioral sciences.
Biology – AA	<ol style="list-style-type: none"> 1. 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.
Biology – AS-T	<ol style="list-style-type: none"> 1. Perform experiments; collect, analyze and report data; 2. Develop competency with standard equipment and techniques of biosciences; 3. Communicate scientific concepts by verbal, written, and graphic/illustrative means; 4. Collaborate with peers to perform experiments, maintain a safe laboratory environment, and discuss scientific concepts.
Biology-Emphasis in Allied Health – AA	<ol style="list-style-type: none"> 1. Explain the interdependence of molecular through organismal structure and function in both health and disease. 2. Acquire, conduct, analyze, and interpret data using scientific terminology, measurements, and protocols.
BMW Manufacture Training – COA	<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;
Bookkeeping – 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. 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 – 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-Emphasis, Management – 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-Emphasis, Marketing – 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-Transfer – 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 align="center">California State University General Education Breadth (CSU/GE Breadth) – 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 align="center">Case Management for Human Services – COP</p>	<ol style="list-style-type: none"> 1. Demonstrate an effective work in a human services environment. 2. Develop multicultural awareness and cultural competency needed to work in a social services setting along with computer literacy and medical terminology skills.
<p align="center">Chemistry – AS</p>	<ol style="list-style-type: none"> 1. Apply the scientific method to experimentation, college and analyze data and communicate findings in written and oral formats. 2. Demonstrate ability to think, reason, and communicate critically, analytically and abstractly.

Coaching – COA	<ol style="list-style-type: none"> 1. Demonstrate knowledge of planning and implementing individual and team training plan prior to the season of sport. 2. Use sports training equipment in a specific and proper manner.
Coaching – COP	<ol style="list-style-type: none"> 1. Plan and implement a team and individual training plan. 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.
Computer Science (General) – AA	<ol style="list-style-type: none"> 1. Demonstrate fluency in programming. 2. Demonstrate knowledge of at least one additional programming language besides C++.
Computer Science (General) – AS	<ol style="list-style-type: none"> 1. Demonstrate fluency in programming. 2. Demonstrate knowledge of at least one additional programming language besides C++.
Consumer Technology – COA	<ol style="list-style-type: none"> 1. Demonstrate how to install, configure and troubleshoot home technology systems. 2. Demonstrate proficiency in configuring, troubleshooting, and updating personal computer systems. 3. Prepare a basic business plan with a core value proposition for an entrepreneurial venture. 4. Prepare high quality marketing plans for a new venture. 5. Evaluate and solve the challenges faced by entrepreneurs.
Consumer Technology Entrepreneur – COP	<ol style="list-style-type: none"> 1. Demonstrate how to install, configure and troubleshoot home technology systems. 2. Demonstrate proficiency in configuring, troubleshooting, and updating personal computer systems. 3. Prepare a basic business plan with a core value proposition for an entrepreneurial venture. 4. Prepare high quality marketing plans for a new venture. 5. Evaluate and solve the challenges faced by entrepreneurs.
Creative Writing – Certificate	<ol style="list-style-type: none"> 1. Demonstrate a body of quality creative work. 2. Evaluate and analyze a critical response to the creative writings of others.
Dental Hygiene – AA	<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.
Digital Photography – COA	<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.
Early Childhood Development – AA	<ol style="list-style-type: none"> 1. Students will demonstrate reflective practice in their work with young children by building awareness of self as teacher, child as learner, and early childhood pedagogy. 2. Students will 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 Development (Associate Teacher) – COP</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. Student will be able to observe, reflect, develop and carry out an activity that is developmentally appropriate for a group of young children. 2. Student will be able to demonstrate their understanding of children’s development through documentation of their skills.
<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>Early Childhood Intervention Assistant – COA</p>	<ol style="list-style-type: none"> 1. Student will 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>Economics – Discipline</p>	<p>PLO development in process</p>
<p>Electronic Systems Technology – AS</p>	<ol style="list-style-type: none"> 1. Understand how to specify, install, program, operate, troubleshoot, and modify electronics systems. 2. Demonstrate effective skills in written and spoken communication.
<p>Electronic Systems Technology – COA</p>	<ol style="list-style-type: none"> 1. Students can install, configure and troubleshoot home technology systems. 2. Students are prepared for the challenges faced by entrepreneurs. 3. Students can prepare high quality marketing plans for a new venture. 4. Students can prepare a basic business plan with a core value proposition for an entrepreneurial venture. 5. Students are proficient in configuring, troubleshooting, and updating personal computer systems.
<p>Engineering – AS</p>	<ol style="list-style-type: none"> 1. Demonstrate an ability to apply knowledge of mathematics, science, and engineering. 2. Demonstrate an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
<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>Entrepreneurship –COP</p>	<ol style="list-style-type: none"> 1. Identify and evaluate new business opportunities. 2. Prepare high quality marketing and business plans for a new venture. 3. Demonstrate new business idea to potential investors and partners, both orally and in writing. 4. Evaluate and solve the challenges faced by entrepreneurs.
<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 system,
<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>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>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>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 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 align="center">Fire Technology – AS</p>	<ol style="list-style-type: none"> 1. Upon completion of the Chabot Fire Technology Program, the student will 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. Upon completion of the Chabot Fire Technology Program, the student will identify minimum qualifications and entry-level skills for fire fighter 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 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. 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 align="center">Fitness Instructor – COA</p>	<ol style="list-style-type: none"> 1. Demonstrate an understanding of heart rate. 2. Demonstrate an ability to correctly perform a dead lift. 3. Demonstrate an ability to correct, perform, and teach a clean.
<p align="center">Fitness Instructor – COP</p>	<ol style="list-style-type: none"> 1. Demonstrate a knowledge of human development and its relationship fitness. 2. Evaluate pre and post fitness level utilizing a variety of fitness testing methods.
<p 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 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 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>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>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>Graphic Design – AA</p>	<ol style="list-style-type: none"> 1. Create artistic concepts and themes in digital work. 2. Demonstrate strong craftsmanship (using industry standard software and technology) in creating digital work.
<p>Graphic Design – COP</p>	<ol style="list-style-type: none"> 1. Create artistic concepts and themes in digital work. 2. Demonstrate strong craftsmanship (using industry standard software and technology) in creating digital work.
<p>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>Health and Nutrition – Discipline</p>	<ol style="list-style-type: none"> 1. Understand and apply a plan of action for a healthy behavior change. 2. Evaluate and formulate physiological and psychological behaviors of sexual health. 3. Understand and apply plan dietary changes necessary to improve personal diet.
<p>Health Care Management – 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>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>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 (See also Case Management and Multicultural Awareness) – AA</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>Human Services (See also Case Management and Multicultural Awareness) – 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 (General) – AA</p>	<ol style="list-style-type: none"> 1. Demonstrate an understanding between the arts as personal expression and the arts as socially transformative. 2. Demonstrate an understanding of both objective and subjective responses to a work of art (literary, performing, or fine).
<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>Illustration – Certificate</p>	<ol style="list-style-type: none"> 1. Create artistic concepts and themes in digital work. 2. Demonstrate strong craftsmanship (using industry standard software and technology) in creating digital work.
<p>Inspection and Pipe Welding – COP</p>	<ol style="list-style-type: none"> 1. Demonstrate proficiency required form advanced; manufacturing, fabrication, and maintenance welding tasks compatible with the industrial norms for higher skilled workforce. They should be able to either skills and knowledge professional manner under minimum to no supervision. 2. Pass the American Welding Society (A.W.S.) test and the appropriate areas of study.
<p>Interior Design – AS</p>	<ol style="list-style-type: none"> 1. Develop functional interior spaces. 2. Demonstrate proficiency in drawing appropriate floor plans.
<p>Interior Design – COA</p>	<ol style="list-style-type: none"> 1. Develop functional interior spaces. 2. Demonstrate proficiency in drawing appropriate floor plans.
<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.

Intersegmental General Ed Transfer Curriculum (IGETC) – COA	<ol style="list-style-type: none"> 1. Develop effective speaking and writing skills. 2. Understand and apply logic, reasoning and problem solving. 3. Develop creative and innovative abilities.
Japanese – 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.
Jazz Studies – COP	<ol style="list-style-type: none"> 1. Improvise and converse in a Jazz setting. 2. Ability to arrange and/or compose pieces in a Jazz or commercial setting.
Journalism – AA	<ol style="list-style-type: none"> 1. Apply knowledge and understanding of the Internet, including various databases in order to independently conduct the research they need to produce credible and well constructed content for publication. 2. Demonstrate knowledge of a broad range of equipment, software, trends, changes and tools needed to be successful in the journalism field. 3. Demonstrate critical understanding of journalism practices, including facts, standards, conventions, and principles, including critical understanding of internal and external forces affecting their operation.
Journalism – AA-T	<ol style="list-style-type: none"> 1. Apply knowledge and understanding of the Internet, including various databases in order to independently conduct the research they need to produce credible and well constructed content for publication. 2. Demonstrate knowledge of a broad range of equipment, software, trends, changes and tools needed to be successful in the journalism field. 3. Demonstrate critical understanding of journalism practices, including facts, standards, conventions, and principles, including critical understanding of internal and external forces affecting their operation.
Kinesiology – AA-T	<ol style="list-style-type: none"> 1. Demonstrate an understanding of health and wellness information using the scientific method, scientific research and established knowledge. 2. Utilize knowledge to design, develop, and implement an effective personalized fitness program. 3. Understand movement as it applies to physical activity to create efficiency of psychomotor skills and achieve maximum benefits in that activity.
Kitchen and Bath Design – COA	<ol style="list-style-type: none"> 1. Develop and design functional kitchen and bath spaces. 2. Draw appropriate floor plans and elevations per NKBA requirements. 3. Apply materials and color selections for Kitchen and Bath spaces. 4. Demonstrates an understanding of professional requirements.
Liberal Arts – AA	<ol style="list-style-type: none"> 1. Develop effective speaking and writing skills. 2. Apply logic, reasoning and problem solving. 3. Develop creative and innovative abilities.

<p>Liberal Studies- Elementary Teacher Preparation – 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>LVN to RN Nursing Program – AA</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. Respond to the demands of rapidly changing information technology by incorporating computer literacy in health care delivery and utilizing the internet for research.
<p>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>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>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>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>Mass Communications – AA</p>	<ol style="list-style-type: none"> 1. Demonstrate knowledge of the history, processes, and instruction of a variety of media, including the ability to exercise critical judgment in the evaluation of media productions. 2. Demonstrate through projects that with the power of a communicator comes more and ethical responsibility.
<p>Mathematics – AA</p>	<ol style="list-style-type: none"> 1. (Critical Thinking) Analyze mathematical problems critically using logical methodology. 2. (Communication) Communicate mathematical ideas, understand definitions, and interpret concepts. 3. (Development of the Whole Person) Increase confidence in understanding mathematical concepts, communicating ideas and thinking analytically.
<p>Mathematics – AS</p>	<ol style="list-style-type: none"> 1. (Critical Thinking) Analyze mathematical problems critically using logical methodology. 2. (Communication) Communicate mathematical ideas, understand definitions, and interpret concepts. 3. (Development of the Whole Person) Increase confidence in understanding mathematical concepts, communicating ideas and thinking analytically.

<p>Mathematics – AS-T</p>	<ol style="list-style-type: none"> 1. (Critical Thinking) Analyze mathematical problems critically using logical methodology. 2. (Communication) Communicate mathematical ideas, understand definitions, and interpret concepts. 3. (Development of the Whole Person) Increase confidence in understanding mathematical concepts, communicating ideas and thinking analytically.
<p>Medical Assisting – AA</p>	<ol style="list-style-type: none"> 1. Prepare competent entry-level professional medical assistance in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains. 2. Respond to the demand of the rapidly changing information technology by incorporating computer literacy in health care to include electronic health records and electronic practice management. 3. Use critical thinking skills in managing care of patients. 4. Acquire and practice the skills for the Certified Medical Assistant examination (CMA-AAMA).
<p>Medical Assisting – COA</p>	<ol style="list-style-type: none"> 1. Prepare competent entry-level professional medical assistance in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains. 2. Respond to the demand of the rapidly changing information technology by incorporating computer literacy in health care to include electronic health records and electronic practice management. 3. Use critical thinking skills in managing care of patients. 4. Acquire and practice the skills for the Certified Medical Assistant examination (CMA-AAMA).
<p>Multicultural Awareness/ Relations for the Service Provider – COP</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 use introspection to increase self-awareness.
<p>Multicultural Awareness/ Self-Reflection – COP</p>	<ol style="list-style-type: none"> 1. Demonstrate cultural awareness and sensitivity needed to respectfully serve the diverse service population. 2. Demonstrate the ability to use introspection to increase self-awareness.
<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>Music Industry Entrepreneur – COP</p>	<ol style="list-style-type: none"> 1. Understand and solve the challenges of self-employment in the music industry. 2. Understand and create a core value proposition for an entrepreneurial venture. 3. Prepare a high quality business plan for a new venture. 4. Effectively navigate the unique legal issues of the music business. 5. Demonstrate proficiency in the fundamentals of music recording.
<p>Numerical Control – AS</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>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 – AA</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. Respond to the demands of rapidly changing information technology by incorporating computer literacy in health care delivery and utilizing the internet for research. 4. Use critical thinking skills in decisions related to managing care for groups of clients. 5. Practice within the profession's ethical and legal framework.
<p>Nursing Program, LVN to RN – AA</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. Respond to the demands of rapidly changing information technology by incorporating computer literacy in health care delivery and utilizing the internet for research. 4. Use critical thinking skills in decisions related to managing care for groups of clients. 5. Practice within the profession's ethical and legal framework.
<p>PE and Activities – Discipline</p>	<ol style="list-style-type: none"> 1. Demonstrate an appreciation of the relationship between movement, health and wellness. 2. Utilize the proper equipment and knowledge to design, develop, and implement an effective personalized fitness program. 3. Understand movement and skill development as it relates to physical activity.
<p>Personal Fitness Training Entrepreneur – COP</p>	<ol style="list-style-type: none"> 1. Ability to provide individualized training programs. 2. Demonstrate proficiency in preparing a basic business plan with a core value proposition for an entrepreneurial venture. 3. Create high quality marketing plans for a new venture. 4. Evaluate and analyze the challenges of self-employment in the personal fitness training industry.
<p>Photography – AA</p>	<ol style="list-style-type: none"> 1. Demonstrate technical competency in the operation of a camera. 2. Demonstrate technical competency making a photographic print. 3. Effectively communicate a unique vision through personal artistic expression and conceptual meaning. 4. Ability to discuss photography in terms of technical merit, aesthetic value, and conceptual meaning.
<p>Photography – COP</p>	<ol style="list-style-type: none"> 1. Demonstrate technical competency in the operation of a camera. 2. Demonstrate technical competency making a photographic print. 3. Effectively communicate a unique vision through personal artistic expression and conceptual meaning. 4. Ability to discuss photography in terms of technical merit, aesthetic value, and conceptual meaning.
<p>Physical Education – AA</p>	<ol style="list-style-type: none"> 1. Demonstrate critical thinking skills within the context of exercise, health, and wellness. 2. Utilize the proper equipment and knowledge to design and implement a personalized this program.

Physics – Discipline	<ol style="list-style-type: none"> 1. Demonstrate how to read, diagram and solve qualitatively and quantitatively key physics applications aided by correct and efficient lab experiments using industry standard equipment. 2. Effectively, efficiently, and correctly run lab experiments using industry standard equipment. 3. Demonstrate an understanding of experimentation and real world applications within the scientific method as well as a mastery of physics lab experiments through the submission of a complete lab report with all required elements present.
Political Science – AA-T	<ol style="list-style-type: none"> 1. Develop analytical capacities so that students are able to analyze complex local, domestic, and international political events. 2. Familiarize students with the issues surrounding the exercise of political power.
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.
Radio and Television Broadcasting – AA	<ol style="list-style-type: none"> 1. Understand the development of the different types of productions created for television. 2. Use the current technology of television to develop and produce broadcast content.
Real Estate – AA	<ol style="list-style-type: none"> 1. Identify and explain duties and obligations and legal aspect of real estate. 2. Acquire and practice skills to pass state licensing exam and a career thereafter. 3. Identify opportunities and strategies for successful real estate ventures.
Real Estate – COA	<ol style="list-style-type: none"> 1. Identify and explain duties and obligations and legal aspect of real estate. 2. Acquire and practice skills to pass state licensing exam and a career thereafter.
Real Estate – COP	<ol style="list-style-type: none"> 1. Identify and explain duties and obligations and legal aspect of real estate. 2. Acquire and practice skills to pass state licensing exam and a career thereafter. 3. Identify opportunities and strategies for successful real estate ventures.
Real Estate Entrepreneur – COP	<ol style="list-style-type: none"> 1. Ability to prepare for the challenges of self-employment or business ownership in the real estate industry. 2. Prepare a basic business plan with a core value proposition for an entrepreneurial venture. 3. Students are prepared for the real estate licensing exam, and to be an effective realtor.

<p>Retail Management – AS</p>	<ol style="list-style-type: none"> 1. Understand and apply practices used in the management of retail stores. 2. Identify the basics of information technology and apply software applications to enhance efficiency of business functions. 3. Create effective oral and written business communications using modern communication technologies. 4. Apply critical thinking and analytical skills in decision making and problem solving.
<p>Retail Management – COA</p>	<ol style="list-style-type: none"> 1. Understand and apply practices used in the management of retail stores. 2. Identify the basics of information technology and apply software applications to enhance efficiency of business functions. 3. Create effective oral and written business communications using modern communication technologies. 4. Apply critical thinking and analytical skills in decision making and problem solving.
<p>Retailing – COP</p>	<ol style="list-style-type: none"> 1. Understand and apply practices used in the management of retail stores. 2. Identify the basics of information technology and apply software applications to enhance efficiency of business functions. 3. Create effective oral and written business communications using modern communication technologies. 4. Apply critical thinking and analytical skills in decision making and problem solving.
<p>Sign Language – Discipline</p>	<ol style="list-style-type: none"> 1. Demonstrate the basic knowledge of ASL. 2. Demonstrate the ability to communicate using the vocabulary learned in class.
<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 Studies: Ethnic Studies – AS-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 (General) – 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.
<p>Sociology – AA-T</p>	<ol style="list-style-type: none"> 1. Compare and contrast social structures (such as families, race/ethnic groups, religions) using the sociological perspective. 2. Use culture as a social construct to explain social phenomena.

<p align="center">Software Specialist – AS</p>	<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.
<p align="center">Software Specialist – COA</p>	<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.
<p align="center">Spanish – 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 align="center">Spanish – 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 align="center">Speech Communication – AA</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 align="center">Sports Injury Care – COA</p>	<ol style="list-style-type: none"> 1. Understand, implement safety, prevention, and treatment of athletic injury. 2. Be able to assess a sprain or strain related to athletic injury.
<p align="center">Sports Injury Care – COP</p>	<ol style="list-style-type: none"> 1. Understand and demonstrate knowledge of the difference between a sprain and a strain. 2. Be able to properly tape an ankle, elbow, and a knee.
<p align="center">Studio Arts – AA-T</p>	<ol style="list-style-type: none"> 1. Demonstrate visual literacy and explain it in terms of the elements and principles of design. 2. Demonstrate an ability to work with media (drawing, painting, clay, etc.) of each discipline.
<p align="center">Theater Arts/ Theatre Arts – AA</p>	<ol style="list-style-type: none"> 1. Develop and implement pedagogical strategies to achieve it. 2. Refine their curricula and pedagogy to strengthen these student skills. 3. Explore their creative ideas, and this confidence leads to myriad educational goals, not the least is to complete their goals at Chabot and move into the next stage of their lives.
<p align="center">Theater Arts/ Theatre Arts – AA-T</p>	<ol style="list-style-type: none"> 1. Faculty develop and implement pedagogical strategies to achieve it. 2. Refine their curricula analysis of material with the more instinctive, fresh, creative impulses used in response to dramatic material. 3. Explore their creative ideas, and this confidence leads to myriad educational goals, not the least is to complete their goals at Chabot and move into the next stage of their lives.
<p align="center">Tool Maker – 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;">Welding – COP</p>	<ol style="list-style-type: none"> 1. Demonstrate the qualifications needed to gain interim welding positions required by the; manufacturing, fabrication, maintenance and construction industrial activities. They should be able to apply their skills and knowledge in a professional manner under supervision. 2. Pass the American Welding Society (A.W.S) tests in the appropriate areas of study.
<p style="text-align: center;">Welding Technology – AS</p>	<ol style="list-style-type: none"> 1. Demonstrate the proficiency needed to perform; manufacturing, fabrication, maintenance and construction tasks to be in compliance with the industrial norms, codes and standards. They should be able to apply their skills and knowledge in a professional manner under minimum to no supervision. 2. Pass the American Welding Society (A.W.S) tests in the appropriate areas of study.
<p style="text-align: center;">Women's Studies – COA</p>	<ol style="list-style-type: none"> 1. Examine the process of gender socialization 2. 2Analyze 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. Apply strategies for improving communication 6. Demonstrate healthy behaviors in their personal, social, and work lives 7. Obtain work experience in programs that serve women and girls



Graduation Requirements

ASSOCIATE IN SCIENCE

*Graduation requirements and courses listed are effective during the following terms (or beyond with catalog rights):
Fall 2019, Spring 2020, Summer 2020*



AS Degree Majors

<p>Accounting*</p> <p>Administrative Assistant*</p> <p>Advanced Manufacturing Technology*</p> <p>Architecture</p> <p>Automotive Technology*</p> <p>Automotive Technology – BMW*</p> <p>Business – General*</p> <p>Business -- Management*</p> <p>Business -- Marketing*</p>	<p>Chemistry</p> <p>Computer Science</p> <p>Electronic Systems Technology*</p> <p>Engineering*</p> <p>Entrepreneurship</p> <p>Environmental Science</p> <p>Fire Prevention Inspector*</p> <p>Fire Technology*</p> <p>Human Services*</p>	<p>Industrial Technology*</p> <p>Interior Design*</p> <p>Machine Tool Technology*</p> <p>Mathematics</p> <p>Numerical Control*</p> <p>Retail Management*</p> <p>Software Specialist*</p> <p>Welding Technology*</p>
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Graduation Requirements:

1. **General Education (GE) Requirements**
2. **Major Course Requirements:** see the Chabot College Catalog
3. Complete each course below with a grade of "C", "P", or higher:
 - a. English Composition
 - b. American Cultures
 - c. Math Proficiency
 - d. All courses required for the major
4. **Units in Residence Requirement:** Minimum of 12 semester units completed at Chabot College
 - a. Occupational Technical majors must complete at least 12 units at Chabot College in the courses required for the **major**. *Occupational Technical majors are noted with an asterisk (*) above.*
5. **Unit Requirement:** 60 semester degree-applicable units
6. **Grade Point Average (GPA):** 2.0 or higher cumulative GPA.

FAQs:

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.

I plan to earn an Associate Degree for Transfer (AA-T/AS-T). Should I follow the GE courses on this flyer?

- NO.** For the transfer degrees, complete one of the following transfer general education (GE) patterns:
- California State University (CSU) General Education Breadth Requirements (CSU GE Breadth);
- OR**
- Intersegmental General Education Transfer Curriculum (IGETC)

How do I apply for graduation and/or 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.

^{*}*found on the Admissions & Records website*

AS

2019-20

CHABOT COLLEGE Associate in Science Degree

GENERAL EDUCATION Requirements

Courses listed below are effective during the following terms (or beyond with catalog rights):
Fall 2019, Spring 2020, Summer 2020

Courses marked with an asterisk () may only be used in ONE GE area		C=Completed; IP=In Progress; N=Need	C	IP	N
A. LANGUAGE AND RATIONALITY					
A1. English Composition -- Complete one course (3 units) with a grade of "C" or higher					
English 1, 1A					
A2. Communication & Analytical Thinking -- Complete one course (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* German 1A*, 1B* 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, 47, 47S, 53, 53A, 53B, 54, 54L, 55, 55A, 55B, 55L, 57, 65, 65B, 65L Psychology 5 Spanish 1A*, 1A1*, 1A2*, 1B*, 1B1*, 1B2* Theater 3, 7*			
B. NATURAL SCIENCES -- Complete one course (3 units). <i>A lab is not required for the associate degree, however, underlined courses indicate a lab.</i>					
Anatomy <u>1</u> Anthropology 1*, <u>1L</u> , 13 Astronomy 10, 20, <u>30</u> Biology <u>2</u> , <u>4</u> , <u>6</u> , <u>10</u> , <u>25</u> , <u>31</u> , <u>50</u> Biotechnology <u>20</u> , <u>30</u> , <u>40</u>	Chemistry <u>1A</u> , <u>10</u> , <u>30A</u> , <u>30B</u> , <u>31</u> Environmental Science 10, <u>11</u> , 12, 15, <u>15L</u> Geography 1*, <u>1L</u> , 8, 13, 20*, 21*, 22* Geological Sciences <u>1</u> Kinesiology <u>2</u>	Microbiology <u>1</u> Physical Science <u>15</u> Physics <u>3A</u> , <u>3B</u> , <u>4A</u> , <u>4B</u> , <u>4C</u> , 5, <u>11</u> Physiology <u>1</u> Psychology 4*			
C. HUMANITIES -- Complete one course (3 units)					
Architecture 2A, 2B, 4A, 4B, 8A, 8B, 12, 14, 16 Art 2A, 3A, 16A, 17A, 22, 23, 24, 54, 57 Art History 1, 3, 4, 5, 6, 7, 8, 20 Chinese 1A*, 1B* Communication Studies 2*, 6 Digital Media Arts 1, 2, 10A English 11A, 12A, 13A, 20, 21, 22, 24, 25, 26, 28, 31, 32, 35, 41, 45, 48 Film 14, 15, 16, 50, 60 French 1A*, 1A1*, 1A2*, 1B*, 1B1*, 1B2*, 2A, 2B	General Studies 31 German 1A*, 1B*, 2A, 2B History 1*, 2*, 3*, 4* Humanities 50, 60, 65, 68, 72 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, 5, 8 Music (MUSP) 12, 14, 44, 45	Philosophy 50, 60, 65, 70 Photography 20, 50, 53A Religious Studies 50, 64, 65, 70, 72 Sign Language 64, 65, 66, 67 Spanish 1A*, 1A1*, 1A2*, 1B*, 1B1*, 1B2*, 2A, 2B, 5 Theater Arts 1, 4, 7*, 10, 11, 12, 14, 21, 22, 47A, 48A, 50A			
D. SOCIAL AND BEHAVIORAL SCIENCES -- Complete one course (3 units)					
Administration of Justice 45, 50, 60, 70 Anthropology 1*, 2, 3, 4, 5, 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, 22, 25, 42, 43, 52, 53, 62, 63 Geography 1*, 2, 3, 5, 10, 12, 21*, 22* Global Studies 1, 2 Health 8	History 1*, 2*, 3*, 4*, 5*, 7, 8, 12*, 19, 22, 25, 32, 33, 42, 43, 48, 49, 52, 53, 62, 63 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			
E. WELLNESS: Areas of Health OR Physical Education Activity – Complete 1 unit**					
Early Childhood Development 54 Fire Tech 7 Health 1, 4 Kinesiology 14, 19, 24 Nutrition 1 Psychology-Counseling 30	OR Any Physical Education activity course with a course prefix of: ADPE, ATHL, DANC, PEAC or FT 88ABCD **PE Exemptions: 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 a Course Waiver" in the Counseling Office.				
F. PROGRAM-BASED GENERAL EDUCATION with any other course in the GE areas listed above.					
To find the program-based GE requirement, see the AS major/program page in the Chabot College Catalog.					
AMERICAN CULTURES -- Complete one course with a grade of "C" or "P". Courses below that are listed in other GE areas will satisfy both requirements.					
Anthropology 5 Art History 7 Communication Studies 11 Early Childhood Development 79 English 26, 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 taken at Las Positas College (or other colleges), even with the same course name and number , may not satisfy this requirement. See a counselor for assistance.			
MATHEMATICS PROFICIENCY: Complete one course with a grade of "C" or "P" or higher OR demonstrate proficiency in mathematics (see below).					
Mathematics 1, 2, 15, 16, 20, 31, 31S, 33, 33S, 36, 36S, 37, 37S, 41, 41S, 43, 43S, 47, 47S, 53, 53B, 54, 54L, 55, 55B, 55L, 57, Business 19, Psychology 5, OR "Demonstrate proficiency at or beyond intermediate algebra: AP Statistics or Calculus Exam (score of "3" or higher), or EAP Math ("Standard Exceeded"; Chabot College Accuplacer (test no longer offered). Official, sealed score reports are required to verify AP and EAP scores towards degree requirements.					



Graduation Requirements

ASSOCIATE IN ARTS

*Graduation requirements and courses listed are effective during the following terms (or beyond with catalog rights):
Fall 2019, Spring 2020, Summer 2020*



AA Degree Majors

Administration of Justice*	Early Childhood Intervention*	Geography	Nursing
Anthropology (non-AA-T)	English-Emphasis in Literature	Graphic Design	Photography
Architecture	Environmental Studies	Humanities	Physical Education
Art History	Ethnic Studies	International Studies	Radio & TV Broadcasting
Behavioral Science	Fire Prevention Inspector*	Journalism (non-AA-T)	Real Estate*
Biology	Fire Technology*	Liberal Arts	Social Science
Biology-Emphasis in Allied Health	Fine Art Studio Foundations	LVN-ADN (Nursing)	Spanish (non-AA-T)
Computer Science	Fine Art Ceramics	Mass Communications	Speech Communication (non-AA-T)
Dental Hygiene	Fine Art Painting and Drawing	Mathematics (non-AS-T)	Theater Arts (non-AA-T)
Digital Media Arts	Fine Art Sculpture	Medical Assisting*	
Early Childhood Development* (non-AS-T)	French		

Graduation Requirements:

1. **General Education (GE) Requirements**
2. **Major Course Requirements:** see the Chabot College Catalog
3. Complete each course below with a grade of "C", "P", or higher:
 - a. English Composition
 - b. American Cultures
 - c. Math Proficiency
 - d. All courses required for the major
4. **Units in Residence Requirement:** Minimum of 12 semester units completed at Chabot College
 - a. Occupational Technical majors must complete at least 12 units at Chabot College in the courses required for the **major**. *Occupational Technical majors are noted with an asterisk (*) above.*
5. **Unit Requirement:** 60 semester degree-applicable units
6. **Grade Point Average (GPA):** 2.0 or higher cumulative GPA.

FAQs:

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.

I plan to earn an Associate Degree for Transfer (AA-T/AS-T). Should I follow the GE courses on this flyer?

NO. For the transfer degrees, 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 (IGETC)

How do I apply for graduation and/or 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.

^{*}*found on the Admissions & Records website*

4.23.19 SS

AA

2019-20

CHABOT COLLEGE Associate in Arts Degree

GENERAL EDUCATION Requirements

*Courses listed below are effective during the following terms (or beyond with catalog rights):
Fall 2019, Spring 2020, Summer 2020*

<i>*Courses marked with an asterisk (*) may only be used in ONE GE area</i>			C=Completed; IP=In Progress; N=Need	C	IP	N
A. LANGUAGE AND RATIONALITY						
A1. English Composition -- Complete one course (3 units) with a grade of "C" or higher						
English 1, 1A						
A2. Writing and Critical Thinking -- Complete one course (3 units)						
Business 10 English 4, 4A, 7, 7A	German 2A*, 2B* French 2A*, 2B*	Italian 2A*, 2B* Japanese 2A*, 2B* Spanish 2A*, 2B*				
A3. Communication and Analytical Thinking -- Complete one course (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* German 1A*, 1B* 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, 47, 47S, 53, 53A, 53B, 54, 54L, 55, 55A, 55B, 55L, 57, 65, 65B, 65L Psychology 5 Spanish 1A*, 1A1*, 1A2*, 1B*, 1B1*, 1B2* Theater 3, 7*				
B. NATURAL SCIENCES -- Complete one course (3 units). <i>A lab is not required for the associate degree, however, underlined courses indicate a lab.</i>						
Anatomy 1 Anthropology 1*, 1L, 13 Astronomy 10, 20, 30 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*				
C. HUMANITIES -- Complete one course (3 units)						
Architecture 2A, 2B, 4A, 4B, 8A, 8B, 12, 14, 16 Art 2A, 3A, 16A, 17A, 22, 23, 24, 54, 57 Art History 1, 3, 4, 5, 6, 7, 8, 20 Chinese 1A*, 1B* Communication Studies 2*, 6 Digital Media Arts 1, 2, 10A English 11A, 12A, 13A, 20, 21, 22, 24, 25, 26, 28, 31, 32, 35, 41, 45, 48 Film 14, 15, 16, 50, 60 French 1A*, 1A1*, 1A2*, 1B*, 1B1*, 1B2*, 2A*, 2B*	General Studies 31 German 1A*, 1B*, 2A*, 2B* History 1*, 2*, 3*, 4* Humanities 50, 60, 65, 68, 72 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, 5, 8 Music (MUSP) 12, 14, 44, 45	Philosophy 50, 60, 65, 70 Photography 20, 50, 53A Religious Studies 50, 64, 65, 70, 72 Sign Language 64, 65, 66, 67 Spanish 1A*, 1A1*, 1A2*, 1B*, 1B1*, 1B2*, 2A*, 2B*, 5 Theater Arts 1, 4, 7*, 10, 11, 12, 14, 21, 22, 47A, 48A, 50A				
D. SOCIAL AND BEHAVIORAL SCIENCES -- Complete one course (3 units)						
Administration of Justice 45, 50, 60, 70 Anthropology 1*, 2, 3, 4, 5, 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, 22*, 25*, 42*, 43*, 52*, 53*, 62*, 63* Geography 1*, 2, 3, 5, 10, 12, 21*, 22* Global Studies 1, 2 Health 8 History 1*, 2*, 3*, 4*, 5*, 7*, 8*, 12*, 19, 22*, 25*, 32, 33, 42*, 43*, 48*, 49*, 52*, 53*, 62*, 63*	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				
E. WELLNESS						
E1. Areas of Health -- Complete one course (3 units)						
Early Childhood Development 54 Fire Tech 7 Health 1, 4	Kinesiology 14, 19, 24 Nutrition 1 Psychology-Counseling 30	***NOTE: Area E1 is not required for the AA in Nursing. The AA in Dental Hygiene requires Nutrition 1.				
E2. Physical Education Activity -- Complete 1 unit **						
Complete one unit of a physical education activity course with a course prefix of: ADPE, ATHL, DANC, PEAC, FT 88ABCD						
**PE Exemptions: 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" in the Counseling Offices.						
F. AMERICAN INSTITUTIONS -- Complete one course (3 units) <i>Courses below will not "double count" in the Social and Behavioral Sciences area</i>						
History 7*, 8*, 12*, 22*, 25*, 42*, 43*, 48*, 49*, 52*, 53*, 62*, 63*, Ethnic Studies 25*, 22*, 42*, 43*, 52*, 53*, 62*, 63*, Political Science 1*, 12*						
AMERICAN CULTURES -- Complete one course with a grade of "C" or "P" or higher. <i>Courses below that are listed in other GE areas will satisfy both requirements.</i>						
Anthropology 5 Art History 7 Communication Studies 11 Early Childhood Development 79 English 26, 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 taken at Las Positas College (or other colleges), even with the same course name and number , may not satisfy this requirement. <i>See a counselor for assistance.</i>				
MATHEMATICS PROFICIENCY -- Complete one course listed below with a grade of "C" or "P" OR demonstrate math proficiency*.						
Mathematics 1, 2, 15, 16, 20, 31, 31S, 33, 33S, 36, 36S, 37, 37S, 41, 41S, 43, 43S, 47, 47S, 53, 53B, 54, 54L, 55, 55B, 55L, 57, Business 19, Psychology 5, OR *Demonstrate proficiency at or beyond intermediate algebra: AP Statistics or Calculus Exam (score of "3" or higher), or EAP Math ("Standard Exceeded"; Chabot College Accuplacer (test no longer offered). Official, sealed score reports are required to verify AP and EAP scores towards degree requirements.						

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
<http://extranet.cccco.edu/HBCUTransfer.aspx>

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) 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.



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, expectation, campus facilities, and student life. Visit www.chabotcollege.edu/counseling/orientation.php to complete the online orientation.
2. **Assessment and 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
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 Front Desk (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 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 degree, transfer and certificate.



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 Human Services AA 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 Yetunde Osikomaiya at yosikomaiya@chabotcollege.edu for more information.



NONCREDIT INFORMATION

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.

2. Why should I consider a noncredit class?

The focus of noncredit courses is on skill attainment for either College Preparation or Career Development, 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 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 earn Associate's Degrees and Certificates of Achievement, while noncredit students earn Certificates of Completion and Certificates of Competency. Noncredit courses bear no units and are repeatable, while most credit courses are not.

4. 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:

- No grade
- Standard letter-grades or Pass/No Pass
- Progress Indicators (Satisfactory Progress)
- Feedback essential to student learning.



FINANCIAL AID

Financial aid is money provided by the Federal Government, the State of California, and 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 AB 540 students.

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 may begin applying for financial aid for the following academic year on October 1 each year if they wish to be considered for the Cal Grant Program, and for maximum types and amounts of all financial aid programs (including limited 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), the California Dream Act Application (DA), 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 for detailed eligibility requirements and policies. See Class Web Financial Aid for individual financial aid file status.



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.

- Submitting standardized test results such as Advanced Placement Examinations.
- Seeing a counselor for a self-placement 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 1 OR ENGLISH 1A <hr style="border-top: 1px dashed black;"/> --4 units • Transferable Letter Grade Only Required for AA/AS Degrees	ENGLISH 102 <hr style="border-top: 1px dashed black;"/> --4 units • Non-Transferable Pass/No Pass Not Required for AA/AS Degrees	ENGLISH 101A <hr style="border-top: 1px dashed black;"/> --4 units • Non-Transferable Pass/No Pass Not Required for AA/AS Degrees
English 1 (or 1A) is a transferable, college-level English course . Students develop <u>advanced</u> reading, writing, and critical thinking skills.	English 102 is an accelerated college preparatory English class designed for students to move, in one semester, into English 1 (or 1A) , and includes in-class time to practice college-level reading and writing.	English 101A is a slower-paced college preparatory English class , which includes in-class time to practice college-level reading and writing. Students who take 101A, may move into 102 the following semester, or jump ahead into English 1 (or 1A).
<p style="text-align: center;">Course and Student Expectations</p> <p style="text-align: center;">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 or 1A:</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 	<p style="text-align: center;">Course and Student Expectations</p> <p style="text-align: center;">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 101A 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 1/1A for a letter grade 	<p style="text-align: center;">Course and Student Expectations</p> <p style="text-align: center;">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 101A:</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 Prefer a course that builds English vocabulary and comprehension Want more time and support before taking college-level English 1/1A for a letter grade

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 them to be more successful or feel more prepared when taking English 1 (or 1A).

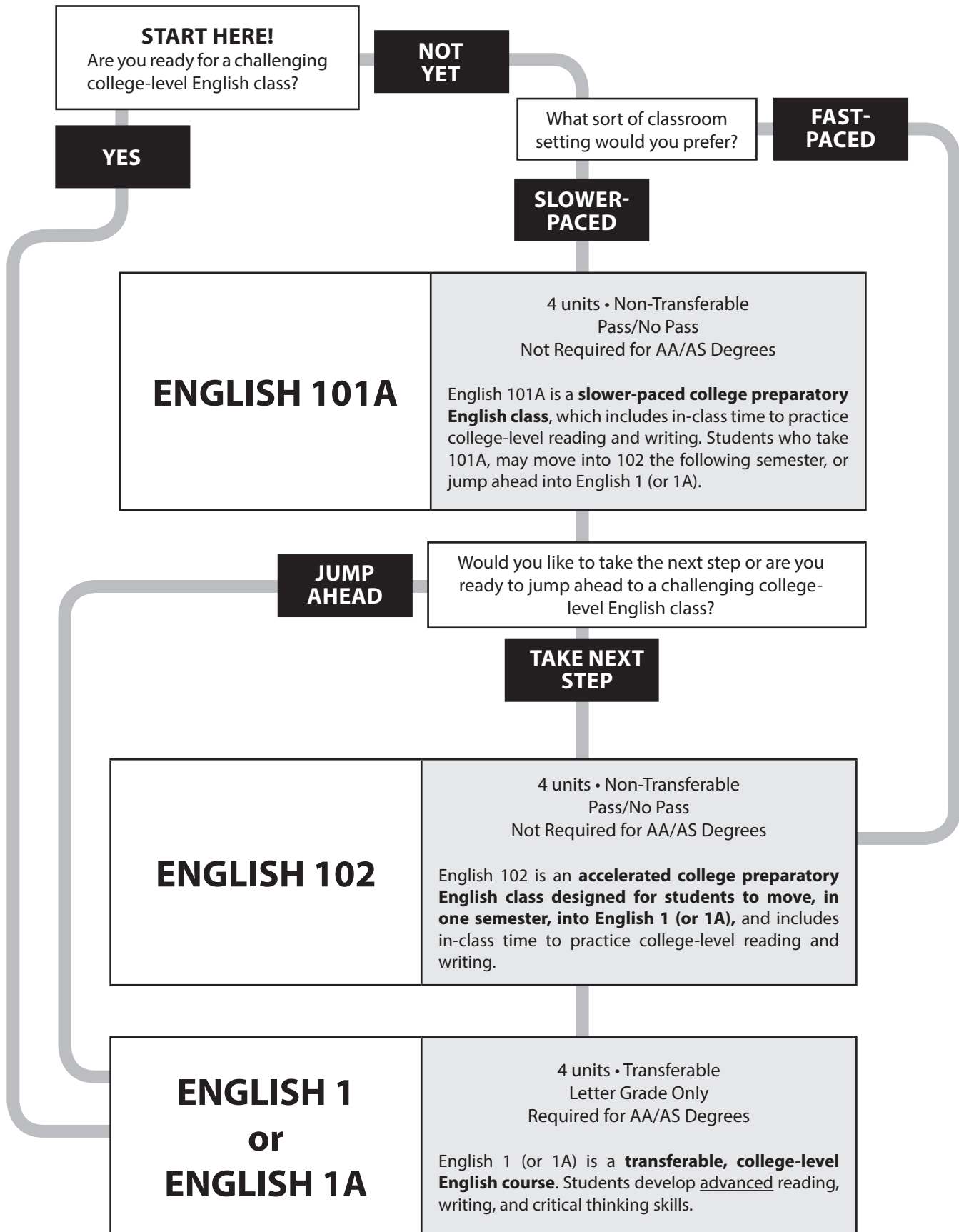
If a student does not pass English 101A or English 102, he or she may still move into English 1 (or 1A), but should discuss with his/her English instructor or counselor the most beneficial option. Re-taking a college-preparatory class may sometimes be more productive than jumping into a higher-level English class. However, some students may feel ready for English 1 (or 1A) after completing only 101A, or after taking, but not successfully passing 102.

For all English classes, for every hour in class, students should expect to spend at least 2-3 hours outside of class in preparation, depending on the material and individual student needs.



ENGLISH INFORMED COURSE SELECTION

FIRST SEMESTER ENGLISH COURSES AT CHABOT COLLEGE





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 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 (Title 5, Section 55024)

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

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)



ACADEMIC REGULATIONS

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.

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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.

The “MW” shall not be counted in progress probation and dismissal calculations.

Upon petition of a student who receives an order compelling a withdrawal from courses, the District shall refund the entire enrollment fee unless academic credit is awarded.

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.

REIMBURSEMENT FOR EW

A community college district shall not refund any enrollment fee paid by a student for program changes made after the first two weeks of instruction for a primary term-length course, or after the 10 percent point of the length of the course for a short-term course, unless the program change is a result of action by the district to cancel or reschedule a class or to drop a student pursuant to subdivision (l) of section 55003 where the student fails to meet a prerequisite.

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 staff 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.



CURRICULUM CHANGES

NEW DEGREES

Family Child Care Entrepreneurship (COA)
Fine Art Ceramics (AA)
Fine Art Painting and Drawing (AA)
Fine Art Sculpture (AA)
Fine Art Studio Foundations (AA)
History (AA-T)
Public Health Science (AS-T)
Real Estate (AA)
Social Work and Human Services (AS-T)

NEW CERTIFICATES

French (COA)
Harmony and Musicianship (COA)
Japanese (COA)
Spanish (COA)

NEW NONCREDIT PROGRAMS

ASE Test Preparation (COC)
ASE Under Car Test Preparation (COC)

REVISED DEGREES

30 Unit LVN-RN
Accounting (AS)
Advanced Manufacturing Technology (AS)
Business (AS)
Business Administration (AS-T)
Communication Studies (AA-T)
Early Childhood Intervention (AA)
Engineering (AS)
Environmental Studies (AA)
Human Services (AS)
Nursing (AA)
Spanish (AA)

REVISED CERTIFICATES

Accounting Technician (COA)
Advanced Manufacturing Technology (COA)
Bookkeeping (COA)
Business Environment and Regulation (COP)
CPA Exam Preparation:
Health Care Management (COA)
CPA Exam Preparation:
Financial Accounting and Auditing (COP)
Early Childhood Intervention Assistant (COA)
Family Child Care Entrepreneurship (COA)
Human Resources Assistant (COA)
Kitchen and Bath Design (COA)
Illustration (COP)
Management (COA)
Marketing (COA)
Real Estate Agent (COP)
Real Estate Broker (COA)
Small Business Management (COA)

DE-ACTIVATED DEGREES

Graphic Design (AA)
Human Services (AA)
Information Technology Support Entrepreneur (COA)
Liberal Studies: Elementary Teacher (AA)
Retail Management (AS)

DE-ACTIVATED CERTIFICATES

Digital Design (COP)
Digital Media (COP)
Graphic Design (COP)



CHABOT COLLEGE

2019-2020 CURRICULIM CHANGES

ADMINISTRATION OF JUSTICE (ADMJ)

COURSES

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

89 FAMILY VIOLENCE 3 UNITS

Origins of violence in the family including child abuse from the administration of justice perspective. Specific types of violent interactions and abuse among family members and responsible adults. Emphasis on techniques for use by peace officers and other social service professionals to intervene effectively.

Requisites: none

Transfer: CSU

(NEW COURSE)

9954 DEFENSIVE TACTICS INSTRUCTOR 2.5 UNITS

Students will develop knowledge in practices and philosophy of use of force, basic principles and concepts of Arrest & Control and legal issues. Students will develop skills in course development, class planning, instructional techniques, and instructor liability for a defensive tactics program. Students will develop a basic lesson plan and teach assigned blocks of instruction in defensive tactics to other class participants. Students will demonstrate proficiency in the physical techniques of defensive tactics. Completion of this Defensive Tactics Instructor Course satisfies Regulation 1070 in the POST Administrative Manual. This course also satisfies the Arrest and Control perishable skills mandate. Special approval required for enrollment.

Strongly Recommended: ADMJ 50 (completed with a grade of "P" or higher)

(NEW COURSE)

9965 INTERNAL AFFAIRS INVESTIGATIONS 1.5 UNITS

Designed to instruct experienced law enforcement officers and related personnel on the unique investigative and legal aspects of conducting internal affairs investigations, both administrative and criminal. Provides instruction on the techniques and procedures used in these investigations, as well as the legal, ethical and moral considerations that may arise when dealing with government employees. This class is designed for POST certified peace officers who hold a minimum of a basic POST certificate or civilian police employees who have been designated by their respective agency as an Internal Affairs investigator. Special approval required for enrollment.

Strongly Recommended: ADMJ 50 (completed with a grade of "P" or higher)

(NEW COURSE)

9969 FIREARMS INSTRUCTOR 1 UNIT

Designed to train individuals to be firearms instructors. Covers basic firearms knowledge, teaching techniques and lesson planning, range preparation, combat shooting techniques and safety. A California Peace Officer Standards and Training (POST) certified course designed for full-time peace officers. Special approval required for enrollment.

Strongly Recommended: ADMJ 50 (completed with a grade of "P" or higher)

(NEW COURSE)

9979 BASIC POLICE CYCLIST 1.50 UNITS

This course is designed for those newly assigned to bicycle patrol work. It covers basic cycling principles and skills, including riding in traffic, bicycle fitness, gear selection, basic maintenance, health and nutrition, emergency handling skills, hazard evasion, night riding, patrol tactics, legal issues, traffic laws and scenarios. This is a California Peace Officer Standards and Training (POST) certified course for regular or reserve peace officers in federal, state, or local law enforcement. Special approval required for enrollment.

Strongly Recommended: ADMJ 50 (completed with a grade of "P" or higher)

(NEW COURSE)

9980 RIFLE MARKSMANSHIP AND SNIPER/OBSERVER 2.00 UNITS

A course designed to provide the necessary rifle and tactical skills for the Sniper/Observer to function in support of high-risk law enforcement operations. Course content includes team missions, organization, marksmanship skills, field craft, ballistics, information collection, reporting procedures and tactical command post. This is a California Peace Officers Standards and Training (POST) certified course designed for regular or reserve peace officers in federal, state, or local law enforcement and/or active duty military personnel. Special approval required for enrollment.

Strongly Recommended: ADMJ 50 (completed with a grade of "P" or higher)

(NEW COURSE)

9982 PATROL RIFLE INSTRUCTOR 1.5 UNITS

This course provides instruction and practical exercises focused on the specific needs of the patrol rifle instructor. Includes the use and application of the rifle as it pertains to law enforcement and the skills to instruct others in its use and maintenance. A California Peace Officers Standards and Training (POST) certified course designed for full-time peace officers. Special approval required for enrollment.

Strongly Recommended: ADMJ 50 (completed with a grade of "P" or higher)

(NEW COURSE)

9987 BASIC S.W.A.T. 2.50 UNITS

This course introduces officers to basic weapons and tactical skills associated with the responsibilities of a Special Weapons And Tactics Team (S.W.A.T.) member. Training includes member selection and team make-up, keys to survival, introduction to tactical weapons and movement of fire, weapon retention and take away, tactical building searches, rappelling, incident management under SMEAC and liability issues. This is a California Peace Officer Standards and Training (POST) certified course designed for full-time peace officers approved for SWAT training for their agency. Special approval required for enrollment.

Strongly Recommended: ADMJ 50 (completed with a grade of "P" or higher)

(NEW COURSE)

9995 FIREARMS/TACTICAL RIFLE FOR THE FIRST RESPONDER 0.50 UNIT

This course is designed to train individuals in the use of the patrol rifle or carbine. Topics covered include rifle safety, marksmanship, zeroing procedures, firing positions, ballistics, reloading drills, malfunction drills, proper use of the rifle sling, basic tactics, low light engagements, and cover. Each attendee will be required to demonstrate proper usage and safe handling of the rifle. This course is intended for full time sworn law enforcement and/or active duty military personnel and other Public Safety First Responders. Special approval required for enrollment.

Strongly Recommended: ADMJ 50 (completed with a grade of "P" or higher)

(NEW COURSE)

9997 LAW ENFORCEMENT ACADEMY 29.00 UNITS

The Basic Police Academy course provides training in fundamental principles, procedures and techniques of law enforcement and is designed for employed or aspiring police officer recruits. It examines community relations, criminal law, criminal evidence, patrol procedures, investigation, vehicle codes, vehicle safety and operations, communication skills, physical conditioning, self-defense tactics, weapons, and health and safety. The Basic Police Academy Course is certified by the Commission of Peace Officer Standards and Training (POST). Special approval required for enrollment.

Strongly Recommended: ADMJ 42 (completed with a grade of "C" or higher) and , ADMJ 50 (completed with a grade of "C" or higher) and , ADMJ 60 (completed with a grade of "C" or higher) and , ADMJ 61 (completed with a grade of "C" or higher) and , ADMJ 70 (completed with a grade of "C" or higher)

(NEW COURSE)

9998 POST BASIC SUPERVISORY 4.50 UNITS

This course will cover the basic theories of leadership as they apply to problem-solving. The principles of authority and command will also be explored, as will the concept of failure as it relates to organizational decision-making. Examples will be offered from various models of leadership, including historic leadership styles, command and control, and leadership roles. Problem-solving/decision-making and strategic planning are current themes to be covered in the context of leadership. Special approval required for enrollment.

Strongly Recommended: ADMJ 50 (completed with a grade of "P" or higher)

Prerequisite: ADMJ 9997 (completed with a grade of "P" or higher) or possession of a Basic California POST Certificate

APPRENTICESHIP: PIPEFITTING (PLPF)

(NEW COURSE)

9701 INTRODUCTION TO PLUMBING I 3 UNITS
(See also PLBG 9701)

This course is designed to give the plumbing student introductory information regarding OSHA (Occupational Safety & Health Administration) standards of safety and precautions for working on the construction site; a review of math as it relates to plumbing, hand and power tool usage, basic plumbing blueprint reading, welding and basic rigging. This course is designed for students planning a career in the plumbing trade. May not receive credit if PLBG 9701 has been taken.

Prerequisite: Student is a registered State indentured apprentice

Transfer: CSU

(NEW COURSE)

9702 INTRODUCTION TO PLUMBING II 3 UNITS
(See also PLBG 9702)

This course is designed to give the plumbing student an introduction to reading and interpreting the International Association of Plumbing & Mechanical Officials (IAPMO) uniform plumbing codes and residential plumbing drawings, identifying various types of pipe and the procedures for working with the pipe. This course also includes identification of various plumbing lines and their components. This course is designed for students planning a career in the plumbing trade. May not receive credit if PLBG 9702 has been taken.

Prerequisite: PLBG 9701 (completed with a grade of "C" or higher). Student is a registered State indentured apprentice.

Transfer: CSU

(NEW COURSE)

9703 INTERMEDIATE PLUMBING I 3 UNITS
(See also PLBG 9703)

This course is designed to provide the intermediate plumbing student the knowledge of introductory plumbing math, the identification of various commercial drawings, the installation of Drain, Waste & Vent (DWV) piping components and systems for commercial properties utilizing local and national plumbing codes. This course is designed for students planning a career in the plumbing trade. May not receive credit if PLBG 9703 has been taken.

Prerequisite: PLBG 9702 (completed with a grade of "C" or higher) Student is a registered State indentured apprentice

Transfer: CSU

(NEW COURSE)

9704 INTERMEDIATE PLUMBING II 3 UNITS
(See also PLBG 9704)

This course is designed to give the intermediate plumbing student the ability to perform testing of water supply piping and systems, installation of the components of a water supply system, and the ability to read and interpret commercial plumbing drawings for project requirements according to local and national codes. The application of advanced trade math concepts is further developed. This course is designed for students planning a career in the plumbing trade. May not receive credit if PLBG 9704 has been taken.

Prerequisite: PLBG 9703 (completed with a grade of "C" or higher) Student is a registered State indentured apprentice.
Transfer: CSU

APPRENTICESHIP: TELECOMMUNICATION (APTE)

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

9702 INTRO TO TELECOMMUNICATIONS 3 UNITS

Introductory course designed to familiarize students with the basic components and concepts of a communications system. Brief overview of the history of the telephone and telephone systems; focus on the development of the telecommunications industry; elements of a data communications system; contrast between voice and data communication; integration of voice, data and video communication; development and use of microwave communications; current/projected uses of telecommunications.

Prerequisite: Student is a registered State indentured apprentice.
Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

9705 INSTALLATION SKILLS- LEVEL I 3 UNITS

Introduction to the procedures and practices routinely used in the industry for installing telecommunication equipment. Overview and direct use of the appropriate tools, equipment and documentation required to install and maintain communication systems. Coverage of health and safety issues and procedures. Reading and interpreting layout and distribution frames and wiring. Procedures for Installing cable racks. Codes and Standards related to Telecommunications.

Prerequisite: Student is a registered State indentured apprentice.
Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

9707 FIBER INSTALLATION & MAINT 3 UNITS

Introduction to Fiber Optic Technology. Provides coverage of theory, installation procedures; testing procedures; proper maintenance and trouble analysis of Fiber Optics Systems. Introduction to multimode and single mode fiber. Coverage of how generic fiber optic systems operate. Procedures for interpreting the output of fiber optic monitor controls, optical time domain reflectometers and error rate test sets.

Prerequisite: Student is a registered State indentured apprentice.
Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

9714 INTRO TO COMPUTER NETWORKING 3 UNITS

The Course provides a thorough overview of networking basics: MAC and IP addressing, hubs and switches, packets and ports, and OSI versus TCP/IP models, cabling, topologies and Ethernet basics, basics of TCP/IP and an overview of routing, major TCP/IP applications, http, https protocols, ports and network naming conventions. This course also discusses VLAN, VPNs, IPv6 and remote connectivity; Using wired (Ethernet) and wireless (Wi-Fi) methods to connect the computers and equipment in a network; sharing files between computers and explaining how to manage connections to those services with DHCP and DNS addressing; setting up an Internet connection and configuring security and local-storage options for the network.

Prerequisite: Student is a registered State indentured apprentice.
Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

9715 COMPUTER LITERACY 3 UNITS

Introduction to computers including: What is a computer, what's inside a computer, lap top and desktop computers, hardware, software, Microsoft Windows, Internet, World Wide Web, multimedia, browsers, Microsoft Word, Microsoft Excel, and an awareness of computer software in use including programming languages, electronic mail, storage devices, and printing. No prior computer experience necessary; course recommended for students of any major who want to learn about computers and how to use them.

Prerequisite: Student is a registered State indentured apprentice.
Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

9718 INSTALLATION SKILLS-LEVEL 2 3 UNITS

Intermediate level procedures and practices of installing telecommunications equipment, including EIA/TIA standards and applicable NEC and IEEE codes and standards for the telecommunications industry. Demonstrative proficiency in termination and testing of copper in accordance to the EIA/TIA 568 and 569 standards.

Prerequisite: Student is a registered State indentured apprentice.
Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

9720 HEALTH AND SAFETY 3 UNITS

Coverage of health and safety issues and procedures in the telecommunications industry. Included in the course will be an introduction to OSHA, managing safety and health, falls, electrocution, struck-by (e.g., falling objects, trucks, cranes), caught-in or between (e.g., trench hazards, equipment), personal protective and lifesaving equipment, health hazards in construction, stairways and ladders, confined space entry, lockout/tag out, CPR and first aid training. In addition, overall and direct use of appropriate tools and equipment required to install and maintain communications systems are covered.

Prerequisite: Student is a registered State indentured apprentice.
Transfer: CSU

ARCHITECTURE (ARCH)

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE - EFFECTIVE SPRING 2019)

16 PEOPLE AND ENVIRONMENTAL DESIGN 3 UNITS

Principles of landscape architecture emphasizing design concepts as they relate to site, building, and client requirements. Includes site analysis, land use patterns, circulation, layout, planting materials, irrigation. The general design process and outcome are examined in context of relationships between people and the environments, both natural and man-made, with focus on sustainable design principles applied to passive environmental control, landscaping, functional adaptation, social and economic impacts, integrating their influences in community development and urban planning.

Requisites: none

Transfer: CSU, UC

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE EFFECTIVE SPRING 2019)

4A ARCHITECTURAL DRAFTING 3 UNITS PRINCIPLES I

Introduction to principles and practice of architectural drafting with emphasis on working drawings for wood frame construction; introduction to drafting concepts and conventions for architectural working drawings, basic building systems, and architectural applications of computer-aided drafting technology.

Prerequisite: ARCH 68 (completed with a grade of "C" or higher) or, ID 49 (completed with a grade of "C" or higher)

Transfer: CSU

ART (ART)

(NEW DEGREE)

FINE ART CERAMICS ASSOCIATE IN ARTS

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
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 50	Introduction to Photography	3
PHOT 61	Color Photography & Theory	3
PHOT 64A	Artificial Light Photography	3
PHOT 66	Photo Compositing	3

Total Units **60**

(NEW DEGREE)
FINE ART PAINTING AND DRAWING
 (ASSOCIATE IN ARTS)

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	Color Photography & Theory	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		37.5

(NEW DEGREE)
FINE ART SCULPTURE
 ASSOCIATE IN ARTS

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	Color Photography & Theory	3
PHOT 64A	Artificial Light Photography	3
PHOT 66	Photo Compositing	3
Total Units		60

(NEW DEGREE)
FINE ART STUDIO FOUNDATIONS
 ASSOCIATE IN ARTS

REQUIRED COURSES (16.5 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 45	Artist Portfolio and Self-Promotion	1.5
ART STUDIO ELECTIVES (CHOOSE ANY 18 UNITS)		
ART 2B	Drawing and Composition	3
ART 3A	Figure and Composition I	3
ART 12A	Beginning Oil Painting	3
	or	
ART 13A	Acrylic Painting - Beginning I	3
	or	
ART 7A	Introduction to Watercolor Painting	3
ART 16A	Introduction to Ceramics I	3
ART 17A	Beginning Sculpture 1	3
ART 25	Color Theory	3
PHOT 50	Introduction to Photography	3
DIGM 4A	Digital Illustration	3
FILM 15	Introduction to Digital Filmmaking	3
Total Units		34.5

(REVIEWED WITH NONSUBSTANTIAL CHANGE)
ILLUSTRATION
 CERTIFICATE OF PROFICIENCY

REQUIRED COURSES		UNITS
ART 2A	Introduction to Drawing	3
ART 61	Illustration	3
ART 2B	Drawing and Composition	3
ART 54	Illustrating Books and Graphic Novels	3
	or	
DIGM 7	Design and Layout	3
DIGM 4A	Digital Illustration	3
ART 45	Artist Portfolio and Self-Promotion	1.5
Total Units		16.5

COURSES

(NEW COURSE EFFECTIVE SPRING 2019)

25 COLOR THEORY 3 UNITS

A study of the principles, theories, and applications of additive and subtractive color in two dimensions. Topics will include major historical and contemporary color systems, production of projects in applied color, and the elements of design as they apply to color.

Requisites: none
 Transfer: CSU, UC

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE
 EFFECTIVE SPRING 2019)

45 ARTIST PORTFOLIO AND SELF-PROMOTION 1.5 UNITS

Development of an artist's/ designer's portfolio and strategies for self-promotion in the art and design industries. Students will work to revise existing projects, create advanced projects and select and organize projects for promotion. Includes use of effective techniques of presentation. Includes creation and revision of resume, business card, and template based website.

Prerequisite: Portfolio Review
 Transfer: CSU

(NEW NONCREDIT COURSE)

201 SCULPTURE AND CERAMIC ART 105 HOURS FOR MATURE ADULTS

Construction methods in clay through design of three-dimensional and relief sculptures. Includes an introduction to ceramic art history and fundamentals of ceramic glaze and firing technology. Elements and principles of three-dimensional design are emphasized in oral and written critiques. This course is designed to improve artistic ability of mature adults 50+ years of age or older.

Requisites: none

ART HISTORY (ARTH)

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

1 INTRODUCTION TO ART 3 UNITS

Drawing, painting, sculpture, photography, architecture and other artforms in relation to human inventiveness in providing for material and aesthetic needs; orientation to contemporary and historic art forms and principles. (Formerly ART 1; may not receive credit if ART 1 has been completed.)

Requisites: none
 Transfer: CSU, UC

(NEW COURSE EFFECTIVE SPRING 2019)

3 FILM HISTORY AND APPRECIATION 3 UNITS

An overview of cinema from invention to today, through screenings of narrative, documentary, and experimental films (and film excerpts) from many countries of origin. Provides the critical, technical and aesthetic vocabulary that serve as the basic tools for analyzing this art form. Emphasizes the ways in which historical, cultural, and aesthetic contexts influence film, and how content, form, and contexts work together to create meaning in film. Celebrates film as a form of participatory culture. Course hours per week: 3. Hours credit: 3.

Requisites: none
 Transfer: CSU, UC

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

5 ART HISTORY - RENAISSANCE TO MODERN 3 UNITS

History of Western art covering Early Renaissance, High Renaissance, Mannerism, Baroque, Neoclassicism, Romanticism, Realism, Impressionism, Post-Impressionism, Modernism and Contemporary developments. (Formerly ART 5; may not receive credit if ART 5 has been completed.)

Requisites: none
 Transfer: CSU, UC

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

6 ART HISTORY - 3 UNITS
TWENTIETH-CENTURY ART

History of significant Modern, Postmodern and Contemporary art movements. Lectures include discussions of works made in various media by well-known and lesser-known makers, including women artists, non-western artists, and artists of color.

Requisites: none

Transfer: CSU, UC

**AUTOMOTIVE TECHNOLOGY
(ATEC)**

(NEW CERTIFICATE)
ASE TEST PREPARATION
CERTIFICATE OF COMPLETION
(NON CREDIT PROGRAM)

REQUIRED COURSES	HOURS
ATEC 251 Engine Repair ASE Prep (A1)	18
ATEC 252 Automatic Transmissions and Transaxles ASE Prep (A2)	18
ATEC 253 Manual Transmissions and Transaxles ASE Prep (A3)	18
ATEC 254 Suspension and Steering ASE Prep (A4)	18
ATEC 255 Braking Systems ASE Prep (A5)	18
ATEC 256 Automotive Electrical ASE Prep (A6)	18
ATEC 257 Heating and Air Conditioning ASE Prep (A7)	18
ATEC 258 Air and Fuel Delivery Systems ASE Prep (A8)	18
ATEC 260 Advanced Engine Performance ASE Prep (L1)	18
ATEC 275 Service Consultant ASE Prep (C1)	18
Total Hours	180

(NEW CERTIFICATE)
ASE UNDER CAR TEST PREPARATION
CERTIFICATE OF COMPLETION
NON CREDIT PROGRAM

ATEC 251 Engine Repair ASE Prep (A1)	18
ATEC 252 Automatic Transmissions and Transaxles ASE Prep (A2)	18
ATEC 253 Manual Transmissions and Transaxles ASE Prep (A3)	18
ATEC 254 Suspension and Steering ASE Prep (A4)	18
ATEC 255 Braking Systems ASE Prep (A5)	18
Total Hours	90

COURSES

(NEW NONCREDIT COURSE)

251 ENGINE REPAIR ASE PREP (A1) 18 HOURS

The ASE Engine Repair Certification Prep course (A1) will provide automotive students and existing industry technicians with an opportunity to prepare for industry standardized Automotive Service Excellence (ASE) certification in the most common automotive related subject areas. Automotive students are encouraged to enroll in the applicable ASE prep-course in conjunction with their current ATEC courses. This noncredit course is part of a noncredit certificate of completion in ASE Test Prep for Automotive. This course is free and students may repeat this course until mastery of the skills is met.

Requisites: none

(NEW NONCREDIT COURSE)

252 AUTOMATIC TRANSMISSIONS AND TRANSAXLES ASE PREP (A2) 18 HOURS

The ASE Automatic Transmissions and Transaxles Certification Prep course (A2) will provide automotive students and existing industry technicians with an opportunity to prepare for industry standardized Automotive Service Excellence (ASE) certification in the most common automotive related subject areas. Automotive students are encouraged to enroll in the applicable ASE prep-course in conjunction with their current ATEC courses. This noncredit course is part of a noncredit certificate of completion in ASE Test Prep for Automotive. This course is free and students may repeat this course until mastery of the skills is met.

Requisites: none

(NEW NONCREDIT COURSE)

253 MANUAL TRANSMISSIONS AND TRANSAXLES ASE PREP (A3) 18 HOURS

The ASE Manual Transmissions and Transaxles Certification Prep course (A3) will provide automotive students and existing industry technicians with an opportunity to prepare for industry standardized Automotive Service Excellence (ASE) certification in the most common automotive related subject areas. Automotive students are encouraged to enroll in the applicable ASE prep-course in conjunction with their current ATEC courses. This noncredit course is part of a noncredit certificate of completion in ASE Test Prep for Automotive. This course is free and students may repeat this course until mastery of the skills is met.

Requisites: none

(NEW NONCREDIT COURSE)

254 SUSPENSION AND STEERING ASE PREP (A4) 18 HOURS

The ASE Suspension and Steering Prep course (A4) will provide automotive students and existing industry technicians with an opportunity to prepare for industry standardized Automotive Service Excellence (ASE) certification in the most common automotive related subject areas. Automotive students are encouraged to enroll in the applicable ASE prep-course in conjunction with their current ATEC courses. This noncredit course is part of a noncredit certificate of completion in ASE Test Prep for Automotive. This course is free and students may repeat this course until mastery of the skills is met.

Requisites: none

(NEW NONCREDIT COURSE)

255 BRAKING SYSTEMS ASE PREP (A5) 18 HOURS

The ASE Braking Systems Certification Prep course (A5) will provide automotive students and existing industry technicians with an opportunity to prepare for industry standardized Automotive Service Excellence (ASE) certification in the most common automotive related subject areas. Automotive students are encouraged to enroll in the applicable ASE prep-course in conjunction with their current ATEC courses. This noncredit course is part of a noncredit certificate of completion in ASE Test Prep for Automotive. This course is free and students may repeat this course until mastery of the skills is met.

Requisites: none

(NEW NONCREDIT COURSE)

256 AUTOMOTIVE ELECTRICAL ASE PREP (A6) 18 HOURS

The ASE Automotive Electrical Certification Prep course (A6) will provide automotive students and existing industry technicians with an opportunity to prepare for industry standardized Automotive Service Excellence (ASE) certification in the most common automotive related subject areas. Automotive students are encouraged to enroll in the applicable ASE prep-course in conjunction with their current ATEC courses. This noncredit course is part of a noncredit certificate of completion in ASE Test Prep for Automotive. This course is free and students may repeat this course until mastery of the skills is met.

Requisites: none

(NEW NONCREDIT COURSE)

257 HEATING AND AIR CONDITIONING ASE PREP (A7) 18 HOURS

The ASE Heating and Air Conditioning Certification Prep course (A7) will provide automotive students and existing industry technicians with an opportunity to prepare for industry standardized Automotive Service Excellence (ASE) certification in the most common automotive related subject areas. Automotive students are encouraged to enroll in the applicable ASE prep-course in conjunction with their current ATEC courses. This noncredit course is part of a noncredit certificate of completion in ASE Test Prep for Automotive. This course is free and students may repeat this course until mastery of the skills is met.

Requisites: none

(NEW NONCREDIT COURSE)

258 AIR AND FUEL DELIVERY SYSTEMS ASE PREP (A8) 18 HOURS

The ASE Air and Fuel Delivery Systems Certification Prep course (A8) will provide automotive students and existing industry technicians with an opportunity to prepare for industry standardized Automotive Service Excellence (ASE) certification in the most common automotive related subject areas. Automotive students are encouraged to enroll in the applicable ASE prep-course in conjunction with their current ATEC courses. This noncredit course is part of a noncredit certificate of completion in ASE Test Prep for Automotive. This course is free and students may repeat this course until mastery of the skills is met.

Requisites: none

(NEW NONCREDIT COURSE)

260 ADVANCED ENGINE PERFORMANCE ASE PREP (L1) 18 HOURS

The ASE Advanced Engine Performance Certification Prep course (L1) will provide automotive students and existing industry technicians with an opportunity to prepare for industry standardized Automotive Service Excellence (ASE) certification in the most common automotive related subject areas. Automotive students are encouraged to enroll in the applicable ASE prep-course in conjunction with their current ATEC courses. This noncredit course is part of a noncredit certificate of completion in ASE Test Prep for Automotive. This course is free and students may repeat this course until mastery of the skills is met.

Requisites: none

(NEW NONCREDIT COURSE)

275 SERVICE CONSULTANT ASE PREP (C1) 18 HOURS

The ASE Service Consultant Certification Prep course (C1) will provide automotive students and existing industry technicians with an opportunity to prepare for industry standardized Automotive Service Excellence (ASE) certification in the most common automotive related subject areas. Automotive students are encouraged to enroll in the applicable ASE prep-course in conjunction with their current ATEC courses. This noncredit course is part of a noncredit certificate of completion in ASE Test Prep for Automotive. This course is free and students may repeat this course until mastery of the skills is met.

Requisites: none

BIOLOGY (BIOL)

(NEW DEGREE)

PUBLIC HEALTH SCIENCE ASSOCIATE IN SCIENCE FOR TRANSFER

REQUIRED CORE	UNITS
HLTH 1 Introduction to Personal Health	3
BIOL 80 Introduction to Public Health	3
BIOL 31 Introduction to College Biology	4
PSY 1 General Psychology	3
PSY 5 Introductory Statistics for the Behavioral and Social Sciences	4
or	
MTH 43 Introduction to Probability and Statistics	4
CHEM 30A Introductory and Applied Chemistry I	4
ANAT 1 General Human Anatomy	5
PHSI 1 Human Physiology	5
LIST A: (select one)	
ECN 1 Principles of Microeconomics	3
ECN 2 Principles of Macroeconomics	3
HLTH 8 Human Sexuality	3
or	
PSY 8 Human Sexuality	3
or	
SOCI 8 Human Sexuality	3
MICR 1 Microbiology	5
NUTR 1 Introduction to Nutrition Science	3
PSY 12 Lifespan Psychology	3
SOCI 1 Principles of Sociology	3
PSCN 3 Drugs, Recovery and Prevention in Modern Society	3
Unit Calculation	
Students must also complete one of the following GE course patterns: CSU General Education Breadth or IGETC.	
Total units for the major	34 - 36
Total units that may be double-counted	15 - 19
General Education (CSU-GE or IGETC) Units	37 - 39
Elective (CSU Transferable Units)	2 - 6
Total Units	60

BUSINESS (BUS)

(REVIEWED WITH NONSUBSTANTIAL CHANGE)

ACCOUNTING ASSOCIATE IN SCIENCE

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
CAS 58 Microsoft Access	3
LIST A: SELECT A MINIMUM OF 9 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)	
Total Units	37 - 39

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

(REVIEWED WITH NONSUBSTANTIAL CHANGE)

ACCOUNTING TECHNICIAN CERTIFICATE OF ACHIEVEMENT

CORE COURSES	UNITS
BUS 1A* Financial Accounting	4
BUS 3A Taxation of Individuals	3
BUS 8 Payroll Accounting	3
BUS 92 Excel Spreadsheets for Accounting	2
BUS 93 QuickBooks	2
BUS 1B Managerial Accounting	4
BUS 3B Taxation of Business Entities	3
BUS 14 Business Communications	3
CAS 58 Microsoft Access	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 **27**

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

(REVIEWED WITH NONSUBSTANTIAL CHANGE)

BOOKKEEPING CERTIFICATE OF ACHIEVEMENT

CORE COURSES	UNITS
BUS 7 Accounting for Small Business	3
BUS 93 QuickBooks	2
BUS 1A* Financial Accounting	4
BUS 3A Taxation of Individuals	3
BUS 8 Payroll Accounting	3
BUS 92 Excel Spreadsheets for Accounting	2
BUS 14 Business Communications	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 **20**

*If Business 1A is completed before Business 7, the Business 7 requirement cannot be waived for this program.

(REVIEWED WITH NONSUBSTANTIAL CHANGE)

BUSINESS ASSOCIATE IN SCIENCE

REQUIRED CORE COURSES:	UNITS
BUS 1A Financial Accounting	4
or	
BUS 7 Accounting for Small Business	3
BUS 10 Business Law	4
BUS 12 Introduction to Business	3
BUS 16 Business Mathematics	3
BUS 22 Introduction to Management	3
BUS 36 Introduction to Marketing	3
BUS 40 International Business	3
CAS 50 Introduction to Computer Application Systems	3
or	
CAS 54 Microsoft Excel	3
or	
CSCI 8 Computer Literacy	3

Emphasis **9**

Select from the areas of emphasis below. Only one A.S. degree in Business may be earned

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.

BUS 14 Business Communications	3
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Emphasis 1 - General Business

Select a minimum of 9 units from any other business or entrepreneurship classes

Emphasis 2 - Management Units

BUS 21 Human Resource Management	3
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Select a minimum of 6 units from the following options:

BUS 1B Managerial Accounting	4
BUS 26 Small Business Management	3
BUS 28 Human Relations in the Workplace	3
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 50L Careers in Business	1
BUS 50M Workplace Diversity	1
BUS 50N Dealing with Difficult People	1
BUS 50P Quality Customer Service	1
BUS 95 Work Experience	1 - 3
or	
WEXP 95 Work Experience	1 - 3
BUS 96 Work Experience Seminar	1
or	
WEXP 96 Work Experience Seminar	1
ENTR 1 Introduction to Entrepreneurship	3

EMPHASIS 3 - Marketing Units

BUS 34	Introduction to Advertising	3
ENTR 20	Marketing for Entrepreneurs	3

Select a minimum of 3 units from the following options:

BUS 26	Small Business Management	3
BUS 32	Retail Store Management	3
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 50L	Careers in Business	1
BUS 50M	Workplace Diversity	1
BUS 50N	Dealing with Difficult People	1
BUS 50P	Quality Customer Service	1
BUS 95	Work Experience	1 - 3
	or	
WEXP 95	Work Experience	1 - 3
BUS 96	Work Experience Seminar	1
	or	
WEXP 96	Work Experience Seminar	1
ENTR 1	Introduction to Entrepreneurship	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 **34 - 35**

(REVIEWED WITH NONSUBSTANTIAL CHANGE)

BUSINESS ADMINISTRATION

ASSOCIATE IN SCIENCE FOR TRANSFER (AS-T)

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

Total Units for the Major (27-29)
 Total Units that may be double-counted (9-12 for CSU-GE or 6-9 for IGETC)
 General Education (CSU-GE/IGETC) units (37-39)
 Elective units (1-6 for CSU-GE or 0-5 for IGETC)

Total Units **60**

(REVIEWED WITH NONSUBSTANTIAL CHANGE)

CPA EXAM PREPARATION: BUSINESS ENVIRONMENT AND REGULATION CERTIFICATE OF PROFICIENCY**CORE COURSES**

	UNITS
BUS 3A Taxation of Individuals	3
BUS 3B* Taxation of Business Entities	3
BUS 6** Accounting Ethics	3
BUS 4*** Cost Accounting	3
BUS 10 Business Law	4

Total Units **16**

* A student must pass BUS-7, Accounting for Small Business, or BUS-1A Financial Accounting, with a C or higher prior to taking this class.

** A student must pass BUS-1A, Financial Accounting, with a C or higher prior to taking this class.

*** A student must pass BUS-1B, Managerial Accounting, with a C or higher prior to taking this class.

(REVIEWED WITH NONSUBSTANTIAL CHANGE)

CPA EXAM PREPARATION: FINANCIAL ACCOUNTING AND AUDITING CERTIFICATE**REQUIRED COURSES**

	UNITS
BUS 2A Intermediate Accounting I	4
BUS 2B Intermediate Accounting II	4
BUS 5 Auditing	3
BUS 6 Accounting Ethics	3
BUS 11 Governmental and Nonprofit Accounting	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 **17**

* Student must pass BUS-1A Financial Accounting, with a C or higher prior to taking any of these classes.

(REVIEWED WITH NONSUBSTANTIAL CHANGE)

HEALTH CARE MANAGEMENT CERTIFICATE OF ACHIEVEMENT

REQUIRED COURSES		UNITS
BUS 14	Business Communications	3
BUS 22	Introduction to Management	3
BUS 21	Human Resource Management	3
BUS 70*	Health Care Financial Management	3
BUS 71	Health Care Law	3
BUS 72	Leadership of Health Care Organizations	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**

* If you have no accounting background, it is strongly recommended to complete BUS-7, Accounting for Small Business, or BUS-1A Financial Accounting, before taking BUS-70.

(REVIEWED WITH NONSUBSTANTIAL CHANGE)

HUMAN RESOURCES ASSISTANT CERTIFICATE OF ACHIEVEMENT

REQUIRED COURSES		UNITS
BUS 7	Accounting for Small Business	3
	or	
BUS 1A	Financial Accounting	4
BUS 21	Human Resource Management	3
CAS 50	Introduction to Computer Application Systems	3
	or	
CAS 54	Microsoft Excel	3
	or	
CSCI 8	Computer Literacy	3
BUS 8	Payroll Accounting	3
CAS 58	Microsoft Access	3
BUS 14	Business Communications	3
BUS 22	Introduction to Management	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 **21 - 22**

(REVIEWED WITH NONSUBSTANTIAL CHANGE)

MANAGEMENT CERTIFICATE OF ACHIEVEMENT

REQUIRED COURSES		UNITS
BUS 12	Introduction to Business	3
BUS 21	Human Resource Management	3
BUS 22	Introduction to Management	3
BUS 1A	Financial Accounting	4
	or	
BUS 7	Accounting for Small Business	3

Option from below 6

List A: Select any six units from the following options:

BUS 1B	Managerial Accounting	4
BUS 10	Business Law	4
BUS 14	Business Communications	3
BUS 16	Business Mathematics	3
BUS 28	Human Relations in the Workplace	3
BUS 36	Introduction to Marketing	3
BUS 40	International Business	3
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 50L	Careers in Business	1
BUS 50M	Workplace Diversity	1
BUS 50N	Dealing with Difficult People	1
BUS 50P	Quality Customer Service	1
BUS 95	Work Experience	1 - 3
	or	
WEXP 95	Work Experience	1 - 3
BUS 96	Work Experience Seminar	1
	or	
WEXP 96	Work Experience Seminar	1

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 - 19**

(REVIEWED WITH NONSUBSTANTIAL CHANGE)

MARKETING
CERTIFICATE OF ACHIEVEMENT

REQUIRED COURSES	UNITS
BUS 12 Introduction to Business	3
BUS 14 Business Communications	3
BUS 36 Introduction to Marketing	3
BUS 1A Financial Accounting	4
or	
BUS 7 Accounting for Small Business	3
BUS 34 Introduction to Advertising	3
ENTR 20 Marketing for Entrepreneurs	3

List A: Select a minimum of three units from the following

BUS 16 Business Mathematics	3
BUS 22 Introduction to Management	3
BUS 32 Retail Store Management	3
BUS 40 International Business	3
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 50L Careers in Business	1
BUS 50M Workplace Diversity	1
BUS 50N Dealing with Difficult People	1
BUS 50P Quality Customer Service	1
BUS 95 Work Experience	1 - 3
or	
WEXP 95 Work Experience	1 - 3
BUS 96 Work Experience Seminar	1
or	
WEXP 96 Work Experience Seminar	1
ENTR 1 Introduction to Entrepreneurship	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 **21 - 22**

(DEACTIVATED)

RETAIL MANAGEMENT
ASSOCIATE IN SCIENCE

(REVIEWED WITH NONSUBSTANTIAL CHANGE)

SMALL BUSINESS MANAGEMENT
CERTIFICATE OF ACHIEVEMENT

CORE COURSES	UNITS
BUS 26 Small Business Management	3
BUS 10 Business Law	4
BUS 36 Introduction to Marketing	3
BUS 7 Accounting for Small Business	3
BUS 93 QuickBooks	2

Option

Select a minimum of four units from the following options:

BUS 12 Introduction to Business	3
ENTR 1 Introduction to Entrepreneurship	3
BUS 14 Business Communications	3
BUS 21 Human Resource Management	3
BUS 22 Introduction to Management	3
BUS 32 Retail Store Management	3
BUS 34 Introduction to Advertising	3
BUS 40 International Business	3
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 50L Careers in Business	1
BUS 50M Workplace Diversity	1
BUS 50N Dealing with Difficult People	1
BUS 50P Quality Customer Service	1
BUS 95 Work Experience	1 - 3
or	
WEXP 95 Work Experience	1 - 3
BUS 96 Work Experience Seminar	1
or	
WEXP 96 Work Experience Seminar	1

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 **19**

COURSES

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

2A INTERMEDIATE ACCOUNTING I 4 UNITS (Formerly BUS 2)

Application of Generally Accepted Accounting Principles (GAAP) and International Financial Reporting Standards (IFRS) to value assets, liabilities, and equity. Topics include time value of money, income statement, balance sheet, analysis of cash, receivables, inventory, plant assets, intangible assets, and the related revenues and expenses. BUS 2A (Intermediate Accounting I) and BUS 2B (Intermediate Accounting II) can be taken in any sequence after the successful completion of BUS 1A (Financial Accounting).

Prerequisite: BUS 1A (completed with a grade of "C" or higher)

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

2B INTERMEDIATE ACCOUNTING II 4 UNITS (Formerly BUS 13)

Application of Generally Accepted Accounting Principles (GAAP) and International Financial Reporting Standards (IFRS) to value assets, liabilities, and equity. Topics include analysis of current and long-term liabilities, leases, income taxes, pensions, equity, and the related revenues and expenses; preparation of the statement of cash flows. BUS 2A (Intermediate Accounting I) and BUS 2B (Intermediate Accounting II) can be taken in any sequence after the successful completion of BUS 1A (Financial Accounting).

Prerequisite: BUS 1A (completed with a grade of "C" or higher)

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

3A TAXATION OF INDIVIDUALS 3 UNITS (Formerly BUS 3)

Preparation of Federal and California income tax returns for individuals through the absorption and application of income tax law, theory, practice. Completion of various tax forms, including Form 1040 (Individual), Schedules A (Itemized Deductions), B (Interest and Dividends), C (Profit or Loss from a Business), and D (Capital Gains and Losses). Other topics include depreciation, tax credits, tax planning, and tax research.

Requisites: none

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

3B TAXATION OF BUSINESS ENTITIES 3 UNITS (Formerly BUS 25)

A study of current Federal income tax law as it relates to sole proprietorships, corporations (C corps, S corps), and partnerships (General and Limited Partnerships, Limited Liability Companies, and Limited Liability Partnerships). California tax law differences will be highlighted. A student does NOT need to complete BUS-3A to enroll in this class.

Prerequisite: BUS 7 (completed with a grade of "C" or higher) or, BUS 1A (completed with a grade of "C" or higher)

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

6 ACCOUNTING ETHICS 3 UNITS (Formerly BUS 33)

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.

Prerequisite: BUS 1A

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

8 PAYROLL ACCOUNTING 3 UNITS

The laws, principles and procedures of payroll accounting in both manual and computerized environments. Concepts covered include preparation of payroll records and reports; payroll law and practices; computation of taxes, including Social Security, federal income tax, state income taxes, and unemployment taxes and voluntary withholdings.

Strongly Recommended: BUS 1A or BUS 7 or equivalent

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

10 BUSINESS LAW 4 UNITS

Fundamental legal principles pertaining to business transactions. Introduction to the legal process. Topics include sources of law and ethics, contracts, torts, criminal law, intellectual property, agency and employment law, and business organizations.

Requisites: none

Transfer: CSU, UC (UC unit limits may apply)

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

12 INTRODUCTION TO BUSINESS 3 UNITS

Survey of the private enterprise system and basic business concepts, business economics, types of business ownership, ethics, globalization, and organizational functions (management, marketing, accounting, human resources, and finance). Provides a multidisciplinary examination of how culture, society, economic systems, legal, international, political, financial institutions, and human behavior interact to influence an organization's policies and practices within the U.S. and a global environments.

Requisites: none

Transfer: CSU, UC

(NEW COURSE EFFECTIVE SPRING 2019)

19 BUSINESS STATISTICS 4 UNITS

Introduction to concepts, methods and models employed in reasoning with numbers and in presenting cogent statistical arguments or solutions in the business field. Key topics include estimating confidence intervals, hypotheses testing, development of projections for inferential purposes in the business field, probability distributions (poisson, binomial, normal, student-t, chi-sq, F-distribution), Analysis of Variance (ANOVA), estimating simple and multiple regressions.

Prerequisite: MTH 53 (completed with a grade of "C" or higher) or, MTH 53B (completed with a grade of "C" or higher) or, MTH 54 (completed with a grade of "C" or higher) or, MTH 54L (completed with a grade of "C" or higher) or, MTH 55 (completed with a grade of "C" or higher) or, MTH 55B (completed with a grade of "C" or higher) or, MTH 55L (completed with a grade of "C" or higher) or an appropriate skill level demonstrated through the Early Assessment Program or the equivalent (completed with a grade of "C" or higher), or an appropriate skill level demonstrated through the mathematics assessment process.

Strongly Recommended: Eligibility for ENGL 1A

Transfer: CSU, UC (UC unit limits may apply)

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

21 HUMAN RESOURCE MANAGEMENT 3 UNITS

Introduction to the management of human resources and an understanding of the impact and accountability to the organization in terms of human resource activities. Global human resource strategies, social and organizational realities, legal implications affecting people at work, union/non-union practices, comparable work, employee compensations, benefits, and employee rights.

Requisites: none

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

22 INTRODUCTION TO MANAGEMENT 3 UNITS

Principles and concepts of traditional management tasks, contemporary management challenges including human relations, diversity, quality, social responsibility and ethics, the global environment, human resource management, business communications, competitiveness, motivation, leadership and teamwork.

Requisites: none

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

26 SMALL BUSINESS MANAGEMENT 3 UNITS

Application of management principles to the selection, establishment, and operation of a small business. Emphasis on the problems encountered by a small business and possible solutions.

Strongly Recommended: BUS 1A or, BUS 7

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

45 SOCIALLY RESPONSIBLE INVESTING 3 UNITS

Investment principles of Socially Responsible Investing and Corporate Social Responsibility. Analysis of markets and firms with a focus on environmentally and socially responsible businesses. Study of investment basics including risk and return considerations. Equities and Mutual Funds. Creation of several Socially Responsible investment portfolios.

Requisites: none

Transfer: CSU

(DEACTIVATED COURSE - EFFECTIVE FALL 2019)

42 GREEN BUSINESS PRACTICES

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

50A SKILLS FOR SUPERVISORS 1 UNIT

This course will provide survival skills for new supervisors and those who aspire to move to managerial positions. Necessary skills of time management, leadership, planning, motivation, conducting meetings, communication, handling stress, conflict, and performance appraisals will be discussed. Students will be involved in a variety of management exercises, discussions, current trends in supervision, and real-world case studies.

Requisites: none

Transfer: CSU

(DEACTIVATED COURSE)

50B BUSINESS ETIQUETTE AND PROFESSIONALISM

(DEACTIVATED COURSE)

50F DEVELOPING A BUSINESS PLAN

(DEACTIVATED COURSE)

50G NEGOTIATING SKILLS

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

50J TIME MANAGEMENT SKILLS 1 UNIT

Practical tips and tools to manage time in academic and business-related situations. Setting short-term and long-term goals. Prioritization of goals and activities. Developing plans; organizing your workplace. Typical time wasters/time leaks, including procrastination, and ways of overcoming them.

Requisites: none

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

71 HEALTH CARE LAW 3 UNITS

Survey of the 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.

Requisites: none

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

97 PROJECT MANAGEMENT CERTIFICATION EXAM PREPARATION (Formerly BUS 87) 3 UNITS

The Project Management Institute (PMI) offers two credentials for project managers who want formal recognition of their project knowledge. In particular, the Project Management Professional (PMP) certification for experienced project managers and the Certified Associate Project Manager (CAPM) credential for entry-level project managers. These are well-recognized credentials for project managers, both those in the job market and those who want to work in a formal business project management environment. Both credentials require that applicants complete a comprehensive description of their experience and pass a certification exam. This course prepares students to complete the test application, study for, and pass, either the PMP or the CAPM examination, both based on the Project Management Body of Knowledge (PMBOK).

Strongly Recommended: BUS 88 and , BUS 89

Transfer: CSU

COLLOQUIA

(REMOVED FROM CATALOG)

COLLOQUIA

COMMUNICATION STUDIES (COMM)

(REVIEWED WITH NONSUBSTANTIAL CHANGE)

COMMUNICATION STUDIES

ASSOCIATE IN ARTS FOR TRANSFER (AA-T)

REQUIRED CORE (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 two-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 3
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

Required Units

Total units for the major: 18

General education: CSU General Education Breadth (39 units) or IGETC for CSU (37 units). Up to 12-15 units may be double-counted

Electives: CSU transferable courses (42-43 units, as needed) for 60 units total.

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

Total Units 60

COMPUTER SCIENCE (CSCI)

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

8 COMPUTER LITERACY 3 UNITS

Introduction to computers including: Microsoft Windows, Microsoft Office, Multimedia, the internet, browsers, World Wide Web, an awareness of types of computer software in use including programming languages, electronic mail, computer-based careers and trends, and other computing issues in today's society. No prior computer experience necessary. Course recommended for students of any major who want to learn about computers and how to use them. Hands-on laboratory experience reinforces lecture.

Strongly Recommended: MTH 55 (completed with a grade of "C" or higher) or , MTH 55A (completed with a grade of "C" or higher) or , MTH 53 (completed with a grade of "C" or higher) or , MTH 53A (completed with a grade of "C" or higher) or Completion of Algebra 2 in high school

Transfer: CSU

DANCE (DANC)

(NEW COURSE)

ZUM 3 INTERMEDIATE ZUMBA .5 - 1.5 UNITS

Intermediate Zumba fitness class using Zumba dance and choreography. This dance fitness course will use Latin music and movement to develop a high level of overall fitness and flexibility.

Prerequisite: DANC ZUM2 (completed with a grade of "P" or higher)

Transfer: CSU, UC (UC unit limits may apply).

DIGITAL MEDIA ARTS (DIGM)

(DEACTIVATED)

DIGITAL DESIGN
CERTIFICATE OF PROFICIENCY
DIGITAL MEDIA
CERTIFICATE OF PROFICIENCY
GRAPHIC DESIGN
ASSOCIATE IN ARTS
GRAPHIC DESIGN
CERTIFICATE OF PROFICIENCY

COURSES

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

1 INTRODUCTION TO DIGITAL ART 3 UNITS

Introduction to fundamental concepts, practices, and theories of digital art production. Topics include integration of traditional design, color, and compositional principles with contemporary digital tools.

Requisites: none

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

15 WEB DESIGN FUNDAMENTALS 3 UNITS

Introduction to the basic design elements required to create a visually compelling website or user experience. Emphasis on design and layout, vector based graphics, and style consistency. Students learn to create a style guide to ensure continuity of design throughout the build process.

Strongly Recommended: DIGM 2 (completed with a grade of "C" or higher)

Transfer: CSU, UC

(DEACTIVATED COURSE)

31B PHOTOSHOP II

(DEACTIVATED COURSE)

33B INDESIGN II

EARLY CHILDHOOD DEVELOPMENT (ECD)

(REVIEWED WITH NONSUBSTANTIAL CHANGE)

EARLY CHILDHOOD DEVELOPMENT ASSOCIATE IN ARTS

REQUIRED COURSES		UNITS
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 60	Introduction to the Young Child With Exceptional Needs	3
ECD 69	Child Study: Observation and Assessment	3
ECD 79	Teaching in a Diverse Society	3
ECD 90	Practicum: Supervised Experience	4
ECD 95	Work Experience	1
ECD 96	Work Experience Seminar	1

NOTE: Students should review with Early Childhood Development instructors or Early Childhood Professional Development Coordinators the requirements of the California Child Development Permit Matrix.

General Education Courses

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

Unit Calculation

Major Requirements	31
General Education	25
Electives (Degree applicable units as needed)	

Total Units	60
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(REVIEWED WITH NONSUBSTANTIAL CHANGE)
EARLY CHILDHOOD INTERVENTION
 ASSOCIATE IN ARTS

REQUIRED COURSES	UNITS
ECD 50 Early Childhood Principles and Practices	3
ECD 56 Child Growth and Development	3
ECD 62 Child, Family and Community	3
ECD 54 Child Health, Safety and Nutrition	3
ECD 63 Early Childhood Curriculum	4
ECD 79 Teaching in a Diverse Society	3
ECD 40 Social and Emotional Foundations for Early Learning	3
ECD 60 Introduction to the Young Child With Exceptional Needs	3
ECD 69 Child Study: Observation and Assessment	3
ECD 90 Practicum: Supervised Experience	4
ECD 67 Infant and Toddler Development and Caregiving	3
ECD 91 Adaptive Curriculum for Children With Exceptional Needs	3

NOTE: Students should review with Early Childhood Development instructors or Early Childhood Professional Development Coordinators the requirements of the California Child Development Permit Matrix.

General Education Courses

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

Total Units **38**

(REVIEWED WITH NONSUBSTANTIAL CHANGE)
EARLY CHILDHOOD INTERVENTION ASSISTANT
 CERTIFICATE OF ACHIEVEMENT

REQUIRED COURSES	UNITS
ECD 50 Early Childhood Principles and Practices	3
ECD 56 Child Growth and Development	3
ECD 62 Child, Family and Community	3
ECD 54 Child Health, Safety and Nutrition	3
ECD 63 Early Childhood Curriculum	4
ECD 60 Introduction to the Young Child With Exceptional Needs	3
ECD 90 Practicum: Supervised Experience	4
ECD 67 Infant and Toddler Development and Caregiving	3
ECD 91 Adaptive Curriculum for Children With Exceptional Needs	3

Total Units **29**

(NEW PROGRAM)
FAMILY CHILD CARE ENTREPRENEURSHIP
 CERTIFICATE OF ACHIEVEMENT

REQUIRED COURSES	UNITS
ECD 50 Early Childhood Principles and Practices	3
ECD 56 Child Growth and Development	3
ECD 62 Child, Family and Community	3
ECD 63 Early Childhood Curriculum	4
ENTR 1 Introduction to Entrepreneurship	3
ENTR 20 Marketing for Entrepreneurs	3

Total Units **19**

COURSES

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)
30 CALIFORNIA PRESCHOOL LEARNING FOUNDATIONS: ENGLISH LANGUAGE DEVELOPMENT **1 UNIT**

Introduction to the English language learners domain of the California Preschool Learning Foundations and Frameworks including strands of listening, speaking, reading and writing. Provides practical strategies for implementing the curriculum frameworks developed for this domain. Applicable to required or professional development units for Child Development Permit holders, pre-school, transitional kindergarten, and early-primary teachers.

Requisites: none

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)
31 PERFORMING ARTS: PRESCHOOL FOUNDATIONS **1 UNIT**

Introduction to the performing arts domain of the California Preschool Learning Foundations and Frameworks including strands of music, drama, and dance. Provides practical strategies for implementing the curriculum frameworks developed for this domain. Applicable to required or professional development units for Child Development Permit holders, pre-school, transitional kindergarten, and early-primary teachers.

Requisites: none

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)
32 MATH: PRESCHOOL FOUNDATIONS **1 UNIT**

Introduction to the mathematics domain of the California Preschool Learning Foundations and Frameworks including the strands of number sense, algebra and functions, measurement, geometry, and mathematical reasoning. Provides strategies for implementing the curriculum frameworks developed for this domain. Applicable to required or professional development units for Child Development Permit holders, pre-school, transitional kindergarten, and early-primary teachers.

Requisites: none

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

33 SCIENCE: PRESCHOOL FOUNDATIONS 1 UNIT

Introduces the science domain of the California Preschool Learning Foundations and Frameworks including the strands of scientific inquiry, physical, life, and earth sciences and provides practical strategies for implementing the curriculum frameworks developed for this domain. Applicable to required or professional development units for Child Development Permit holders, pre-school, transitional kindergarten, and early-primary teachers.

Requisites: none

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

34 LITERACY: PRESCHOOL FOUNDATIONS 1 UNIT

Introduction to the language and literacy development domain in the California Preschool Learning Foundations and Frameworks including the strands of listening and speaking, reading, and writing. Provides practical considerations for implementing the curriculum frameworks developed for this domain. Applicable to required or professional development units for Child Development Permit holders, pre-school, transitional kindergarten, and early-primary teachers.

Requisites: none

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

35 SOCIAL AND EMOTIONAL PRESCHOOL FOUNDATIONS 1 UNIT

Introduction to the social and emotional development domain of the California Preschool Learning Foundations and Frameworks including the strands of self, social interaction, and relationships. Provides practical strategies for implementing the curriculum frameworks developed for this domain. Applicable to required or professional development units for Child Development Permit holders, pre-school, transitional kindergarten, and early-primary teachers.

Requisites: none

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

36 VISUAL ARTS: PRESCHOOL FOUNDATIONS 1 UNIT

Introduction to the visual arts domain of the California Preschool Learning Foundations and Frameworks including artistic expression and response, and skills using various art mediums. Provides practical strategies for implementing the curriculum frameworks developed for this domain. Applicable to required or professional development units for Child Development Permit holders, pre-school, transitional kindergarten, and early-primary teachers.

Requisites: none

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

37 HEALTH: PRESCHOOL FOUNDATIONS 1 UNIT

Introduction to the health domain of the California Preschool Learning Foundations and Frameworks including strands of health habits, safety, and nutrition. Provides practical strategies for implementing the curriculum frameworks. Applicable to required or professional development units for Child Development Permit holders, as well as pre-school, transitional kindergarten, and early-primary teachers.

Requisites: none

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

38 HISTORY-SOCIAL SCIENCE: PRESCHOOL FOUNDATIONS 1 UNIT

Introduction to the history and social science domain of the California Preschool Learning Foundations and Frameworks including strands of self and society, civics, history, geography, ecology, and economics. Provides practical strategies for implementing the curriculum frameworks developed for this domain. Applicable to required or professional development units for Child Development Permit holders, pre-school, transitional kindergarten, and early-primary teachers.

Requisites: none

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

39 PHYSICAL DEVELOPMENT: PRESCHOOL FOUNDATIONS 1 UNIT

Introduction to the physical development domain of the California Preschool Learning Foundations and Frameworks including strands of fundamental movement skills, perceptual-motor skills and movement concepts, and active physical play. Provides practical strategies for implementing the curriculum frameworks developed for this domain. Applicable to required or Child Development Permit holders, pre-school, transitional kindergarten, and early-primary teachers.

Requisites: none

Transfer: CSU

(DEACTIVATED COURSE)

40 SOCIAL AND EMOTIONAL FOUNDATIONS 3 UNITS FOR EARLY LEARNING

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

50 EARLY CHILDHOOD PRINCIPLES AND PRACTICES 3 UNITS

An examination of the underlying theoretical principles of developmentally appropriate practices applied to programs, environments, emphasizing the key role of relationships, constructive adult-child interactions, and teaching strategies in supporting physical, social, creative and intellectual development of all young children. This course includes a review of the historical roots of early childhood programs and the evolution of the professional practices promoting advocacy, ethics, and professional identity.

Requisites: none

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

62 CHILD, FAMILY AND COMMUNITY 3 UNITS

Patterns of family living in contemporary society, including the varying roles and interactions of family members; demographic, socio-cultural, racial, educational, economic, historical and developmental factors affecting children, families and relationship of the family to early care and education and to community resources. The processes of socialization and identity development will be highlighted.

Requisites: none

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

63 EARLY CHILDHOOD CURRICULUM 4 UNITS

Professional application of the principles of human growth and development in: the study of play based inclusive curriculum, the physical environment and learning experiences including program content, the use of materials, the facilitation and guidance of all children's experiences based on developmentally appropriate principles, the methods used to meet all children's physical, social, emotional, cognitive, and creative needs including infant and toddler within cultural context.

Prerequisite: ECD 50 (completed with a grade of "C" or higher) and, ECD 56 (completed with a grade of "C" or higher)

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

69 CHILD STUDY: OBSERVATION AND ASSESSMENT 3 UNITS

Current approaches for observing and recording the behavior of infants and young children using various scientific techniques. Effective observations that build on respecting and fostering all children's competence, striving for objectivity and individualizing programs to meet individual children's learning and developmental assessment. Direct observational experience and application of methods is required weekly.

Prerequisite: ECD 56 (completed with a grade of "C" or higher)

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

79 TEACHING IN A DIVERSE SOCIETY 3 UNITS

Critical examination of societal and personal attitudes and beliefs, values, assumptions and biases about culture, race, language, identity, family structures, ability, socio-economic status and other issues influenced by systemic oppression. Ethnic/cultural groups referenced within course from the United States of America, including African American, Asian American, Chicano/Latino, European American, Indigenous People of the Americas and Americans of Middle Eastern origin. Recognize and confront barriers that interfere with one's ability to work effectively with diverse populations of children and families. Enhance teacher's skills for educating children in a pluralistic society.

Requisites: none

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

90 PRACTICUM: SUPERVISED EXPERIENCE 4 UNITS

Practicum lab experience working with young children under the supervision of an ECE/CD faculty. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Child centered, play-oriented approaches to teaching, learning and assessment; and knowledge of curriculum content areas will be emphasized as student teachers design, implement and evaluate experiences that promote positive development and learning for all young children.

Prerequisite: ECD 63 (completed with a grade of "C" or higher), ECD 62 (completed with a grade of "C" or higher), ECD 50 (completed with a grade of "C" or higher), ECD 56 (completed with a grade of "C" or higher)

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

95 WORK EXPERIENCE 1 - 3 UNITS

On-the-job work experience to build early childhood competencies. Cooperative effort between student, supervisor and instructor to accomplish professional work objectives and broaden experiences.

Corequisite: ECD 96

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

96 WORK EXPERIENCE SEMINAR 1 UNIT

Discussion and analysis of typical problems often encountered by employees at the workplace. Application of National Association for the Education of Young Children (NAEYC) Code of Ethical Conduct to difficult situations that occur at the job site. Develop and complete measurable developmentally appropriate goals in early care and education settings.

Corequisite: ECD 95

Transfer: CSU

ELECTRONIC SYSTEMS TECHNOLOGY (ESYS)

(NEW NONCREDIT COURSE)

201 ELECTRONIC PROJECT PROTOTYPING 54 HOURS

Development and prototyping of student-selected electronic projects. Automated design tools, automated and hand fabrication and electronic assembly techniques, measurement and evaluation of prototypes.

Requisites: none

(NEW NONCREDIT COURSE)

202 ELECTRONIC CIRCUIT CALCULATIONS AND ANALYSIS 36 HOURS

Application of algebraic and trigonometric calculations and formulas applied to electronic circuit examples. Digital logic applied to combinational and sequential circuits.

Requisites: none

(NEW NONCREDIT COURSE)

203 ELECTRONIC CIRCUIT MEASUREMENTS AND ANALYSIS 54 HOURS

Measurement and presentation of data in analog and digital circuits. Emphasis on comparison and correlation of measured data with calculated circuit analysis.

Requisites: none

EMERGENCY MEDICAL SERVICES (EMS)

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

2 EMERGENCY MEDICAL TECHNICIAN - BASIC 7 UNITS

Provides training in the foundation skills and knowledge required of the EMT-1 scope of practice. The EMT-1 certification is the minimum requirement for ambulance attendants and most entry level firefighter positions. EMT-1 certification is also required for entry into paramedic training. This training program is accredited by the Alameda County Emergency Medical Services Agency. This course enrollment also requires: Evidence of immunizations for measles, mumps, and rubella. Evidence of Hepatitis B immunization series completed or in progress. A current (within one year of course completion) negative TB test is also required. Current healthcare CPR certification is required. May not receive credit if Health 81 has been completed.

Corequisite: EMS 2W

Prerequisite: EMS 1 (completed with a grade of "C" or higher)

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

4 EMERGENCY MEDICAL TECHNICIAN - BASIC - REFRESHER 2 UNITS

Provides refresher training in the foundation knowledge, skills, and abilities required of the EMT-Basic scope of practice. The EMT-B certification is the minimum requirement for ambulance attendants and most entry-level Firefighter positions. EMT certification is also required for entry into Paramedic school. 40 total hours accredited by the Alameda County EMS Agency. Includes CE's and skills competency verification to National Registry standards. Prerequisite: EMT and BLS certification. Total- 2 weeks

Prerequisite: current EMT certification

Transfer: CSU

ENGINEERING (ENGR)

(REVIEWED WITH NONSUBSTANTIAL CHANGE)

ENGINEERING ASSOCIATE IN SCIENCE

REQUIRED COURSES		UNITS
MTH 1	Calculus I	5
MTH 2	Calculus II	5
MTH 3	Multivariable Calculus	5
MTH 4	Elementary Differential Equations	3
PHYS 4B	General Physics II	5
CHEM 1A	General College Chemistry I	5

Options courses: select three courses the following list. Must complete at least one engineering course.

ENGR 16	Designing Information Devices and Systems I	4
ENGR 36	Engineering Mechanics -Statics	3
ENGR 40	Thermodynamics	3
ENGR 43	Electrical Circuits and Devices	4
ENGR 45	Materials of Engineering	3
ENGR 85	Introduction to Solid Mechanics	3
PHYS 4C	General Physics III	5
CSCI 20	Introduction to Data Structures	4
	or	
BIOL 2	Principles of Cell/Molecular Biology and Genetics	5

REQUIRED FOR THE MAJOR SPECIFIC G.E. REQUIREMENT.

Complete a minimum of 3 units from:

BUS 40	International Business	3
CSCI 14	Introduction to Structured Programming In C++	4
COMM 1	Fundamentals of Speech Communication	3
ECN 1	Principles of Microeconomics	3

NOTE: Transfer schools (UC and CSU) typically prefer students focus on major-specific courses and minimum transfer admission requirements, and often discourage focus on, or completion of, general education patterns (ie. IGETC). Students are advised to select AS General Educational courses that will also satisfy transfer GE and/or major requirements, when applicable. The above listing is a suggested sequence only. Some courses have prerequisites.

General Education Units for A.S. Degree

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

Unit Calculation

Major Requirements	37 - 42
General Education	25
Electives (Degree applicable units as needed)	

Total Units 60

COURSES

(NEW COURSE EFFECTIVE SPRING 2019)

15 ENGINEERED SYSTEMS AND SUSTAINABILITY 3 UNITS

An introduction to key engineered systems (e.g., energy, water supply, buildings, transportation) and their environmental impacts. Basic principles of environmental science needed to understand natural processes as they are influenced by human activities. Overview of concepts and methods of sustainability analysis. Critical evaluation of engineering approaches to address sustainability.

Prerequisite: CHEM 1A (completed with a grade of "C" or higher) and, MTH 1 (completed with a grade of "C" or higher)

Transfer: CSU, UC

(NEW COURSE EFFECTIVE SPRING 2019)

16 DESIGNING INFORMATION DEVICES AND SYSTEMS I 4 UNITS

This course focuses on the fundamentals of designing modern information devices and systems that interface with the real world, providing a foundation for core topics in signal processing, learning, control, and circuit design while introducing key linear-algebraic concepts motivated by applications. Modeling is emphasized to deepen mathematical maturity in both labs and homework, students will engage computationally, physically, and visually with the concepts being introduced.

Prerequisite: MTH 2 (completed with a grade of "C" or higher) and CSCI 20 (completed with a grade of "C" or higher) (both courses may also be taken concurrently)

Transfer: CSU, UC

(NEW COURSE EFFECTIVE SPRING 2019)

40 THERMODYNAMICS 3 UNITS

This course introduces the fundamentals of energy storage, thermophysical properties of liquids and gases, and the basic principles of thermodynamics. The course focuses on application of the concepts to various areas of engineering related to energy conversion and air conditioning. The use of computing tools that facilitate problem solving, design analysis, and parametric studies in thermodynamics will be integrated throughout the course.

Prerequisite: CHEM 1A (completed with a grade of "C" or higher) and, ENGR 25 (completed with a grade of "C" or higher) and PHYS 4C (completed with a grade of "C" or higher) (PHYS 4C may be taken concurrently)

Transfer: CSU, UC

(NEW COURSE EFFECTIVE SPRING 2019)

85 INTRODUCTION TO SOLID MECHANICS 3 UNITS

This course introduces 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.

Prerequisite: MTH 3 (completed with a grade of "C" or higher) and, PHYS 4A (completed with a grade of "C" or higher), MTH 4 (completed with a grade of "C" or higher) and MTH 6 (completed with a grade of "C" or higher) (MTH 4 & 6 may be taken concurrently) ENGR 36 (completed with a grade of "C" or higher) (ENGR 36 may be taken concurrently)

Transfer: CSU, UC

ENGLISH (ENGL)

(NEW COURSE)

1 CRITICAL READING AND COMPOSITION 4 UNITS

This is an introductory course offering integrated instruction in reading, critical thinking, and expository and argumentative writing, intended to develop the ability to read and write complex, college-level prose. Theme-based units of study will examine ideas in relation to individuals' world view and contexts from which these ideas arise. Primary texts will showcase diverse writers, including marginalized voices. Some research required.

Prerequisite: Eligibility for college-level composition as determined by multiple measures or other appropriate method or, ENGL 102

Transfer: CSU, UC (UC unit limits may apply)

(NEW COURSE)

4A CRITICAL THINKING AND WRITING ABOUT LITERATURE 4 UNITS

Develops skills in close reading, critical thinking, analytical and argumentative writing, research, and information literacy through the study of works from major literary genres. Works will include poetry, fiction (short stories and novel), and drama, but may also include alternative genres such as creative nonfiction, graphic novels, spoken word, flash fiction, and lyrics. Primary texts will showcase diverse writers, including marginalized voices.

Prerequisite: ENGL 1 (completed with a grade of "C" or higher) or, ENGL 1A (completed with a grade of "C" or higher)

(NEW COURSE)

7A CRITICAL THINKING AND WRITING ACROSS DISCIPLINES 4 UNITS

Develops critical thinking, reading, and writing skills as they apply to the analysis of primary and secondary non-fiction books, articles, and essays from a range of academic and cultural contexts. Primary texts will showcase diverse writers, including marginalized voices. Theme based units will emphasize the techniques and principles of effective written argument in research-based writing across disciplines.

Prerequisite: ENGL 1 (completed with a grade of "C" or higher) or, ENGL 1A (completed with a grade of "C" or higher)

Transfer: CSU, UC (UC unit limits may apply)

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

37 PROOFREADING AND EDITING FOR COLLEGE WRITING 3 UNITS
(Formerly ENGL 137)

Components and rules of English grammar, syntax, and punctuation. Includes parts of speech, sentence patterns, sentence construction, and identifying and correcting sentence-level errors in conjunction with writing; strong emphasis on proofreading and editing college-level essays. This course also utilizes sentence-combining exercises to help students write more sophisticated and varied sentences. This course works well as a support class for other classes in which writing is a focus. It involves a strong writing component but may utilize assignments from other classes.

Strongly Recommended: Concurrent enrollment in any English or other course requiring academic writing. This course is designed as a support class for other classes in which writing is a focus. This course involves a strong writing component but can utilize assignments from other classes.

Transfer: CSU

ENGLISH AS A SECOND LANGUAGE (ESL)

(NEW COURSE)

15A ADVANCED ESL READING AND COMPOSITION 1 6 UNITS

This is the first semester of a one-year advanced ESL reading and writing course for academic purposes. Emphasis is on critical reading techniques and writing analytical essays as well as on grammar and vocabulary development.

Prerequisite: ESL 110C (completed with a grade of "P" or higher)

(NEW COURSE)

15B ADVANCED ESL READING AND COMPOSITION 2 6 UNITS

This is the second semester of a one-year advanced ESL reading and writing course for academic purposes. Emphasis is on critical reading techniques and writing analytical essays as well as on grammar and vocabulary development.

Prerequisite: ESL 15A (completed with a grade of "P" or higher)

(NEW COURSE)

16A ADVANCED GRAMMAR FOR THE ENGLISH LANGUAGE LEARNER 3 UNITS

Advanced English grammar instruction. Enables students to use complex grammar structures in academic writing and reading. Designed for students who are taking ESL 15A concurrently but open to all students who meet the prerequisite. Prerequisite: Successful completion of ESL 110C or eligibility for ESL 15A. 3 hours.

Prerequisite: ESL 110C (completed with a grade of "P" or higher) or eligibility for ESL 15A)

Transfer: CSU

(NEW COURSE)

16B ADVANCED GRAMMAR AND EDITING FOR THE ENGLISH LANGUAGE LEARNER 3 UNITS

This grammar course provides advanced ESL students with grammar instruction and editing practice. This is the second of two levels. It is designed to be taken with ESL 15B, but open to all students who meet the prerequisite.

Prerequisite: ESL 16A (completed with a grade of "P" or higher)

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

108 BASIC SPELLING FOR ENGLISH AS A SECOND LANGUAGE 1 UNIT

Basic sound/spelling patterns of English. Develop an understanding of the sounds and symbols of English, including open/closed syllables, short and long vowel sounds, consonant and consonant cluster sounds, spelling of homophones and other problem words in everyday English. Includes basic dictionary use.

Requisites: none

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

109 VOCABULARY SKILLS 1 UNIT

Build language proficiency by learning new vocabulary and developing vocabulary-building skills.

Requisites: none

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

110A LOW INTERMEDIATE READING, WRITING, AND GRAMMAR 6 UNITS

A comprehensive review of basic sentence types; short writing assignments; reading fiction and nonfiction; reinforces fluency in reading, writing, and grammar.

Requisites: none

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

110B INTERMEDIATE READING, WRITING, AND GRAMMAR 6 UNITS

Logical paragraph development; reading both fiction and nonfiction; emphasis on the development of vocabulary and grammatical structures of written English.

Prerequisite: ESL 110A (completed with a grade of "P" or higher) or Eligibility for ESL 110B demonstrated through the ESL Placement Process

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

110C HIGH INTERMEDIATE READING, WRITING, AND GRAMMAR 6 UNITS

Expository paragraphs and short essays; fiction and nonfiction reading; emphasis on the development of vocabulary and grammatical structures of written English.

Prerequisite: ESL 110B (completed with a grade of "P" or higher) or

Eligibility for: ESL 110C demonstrated through the ESL Placement Process

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

110D ADVANCED READING, WRITING, AND GRAMMAR 6 UNITS

Expository essays; critical reading; emphasis on advanced development of vocabulary and grammatical structures of written English.

Prerequisite: ESL 110C (completed with a grade of "P" or higher) or eligibility for ESL 110D demonstrated through the ESL Placement Process

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

122 WRITING WORKSHOP FOR NON-NATIVE SPEAKERS: EMPHASIS ON EDITING AND WRITING PROCESS 0.5 UNIT

This course is for non-native speakers of English who are taking English courses or other courses that require academic writing. It is also open to students enrolled in ESL courses. Editing and the writing process are emphasized, but all aspects of the writing process are addressed as needed on an individual basis.

(NEW NONCREDIT COURSE)

210 PREPARATION FOR ACADEMIC ESL READING 54 HOURS

This noncredit course in Academic ESL reading is part of a 3-course noncredit certificate of competency in Preparation for College ESL, which serves as preparation for ESL 110A, the first course in our credit sequence. Students who take this course may not have the necessary language proficiency in English or be ready for the academic rigor of our college credit ESL program. Students will gain reading, vocabulary, and study skills, computer literacy, and become familiar with U.S. college classroom culture. This course is free and may be repeated until mastery in the skill is met. Recommendation to take the course will be through ESL placement process. May be taken concurrently with ESL 220 and ESL 230.

Requisites: none

(NEW NONCREDIT COURSE)

220 PREPARATION FOR ACADEMIC ESL WRITING 54 HOURS

This noncredit course in Academic ESL writing is part of a 3-course noncredit Certificate of Competency in Preparation for College ESL, which serves as preparation for ESL 110A, the first course in our credit sequence. Students who take this course may not have the necessary language proficiency in English or be ready for the academic rigor of our college credit ESL program. Students will further proficiency in writing grammatically correct English sentences and short paragraphs, develop academic study skills and computer literacy, and become familiar with U.S. college classroom culture. This course is free and may be repeated until mastery in the skill is met. Recommendation to take the course will be through ESL placement process. May be taken concurrently with ESL 210 and ESL 230.

Requisites: none

(NEW NONCREDIT COURSE)

230 PREPARATION FOR ACADEMIC ESL LISTENING AND SPEAKING 54 HOURS

This noncredit course in Academic ESL Listening and Speaking is part of a 3-course noncredit Certificate of Competency in Preparation for College ESL, which serves as preparation for ESL 110A, the first course in our credit sequence. Students who take this course may not have the necessary language proficiency in English or be ready for the academic rigor of our college credit ESL program. Students will gain listening comprehension skills, oral fluency, study skills, computer literacy, and become familiar with U.S. college classroom culture. This course is free and may be repeated until mastery in the skill is met. Recommendation to take the course will be through ESL placement process. May be taken concurrently with ESL 210 and ESL 220.

ENTREPRENEURSHIP (ENTR)

(DEACTIVATED)

**INFORMATION TECHNOLOGY SUPPORT
ENTREPRENEUR
CERTIFICATE OF ACHIEVEMENT**

COURSES

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

30 THE BUSINESS PLAN 3 UNITS

Development and presentation of a "ready to take to the bank for funding," realistic, and ready to implement business plan. Business plan components will include a business concept, industry and market analysis, a marketing and organizational plan, operations plan, funding plan, and financial projections.

Requisites: none

Transfer: CSU

(DEACTIVATED COURSE)

9915 THE ELEVATOR PITCH

ENVIRONMENTAL STUDIES (ENST)

(REVIEWED WITH NONSUBSTANTIAL CHANGE)

ENVIRONMENTAL STUDIES ASSOCIATE IN ARTS

REQUIRED CORE (15 UNITS) UNITS

All three courses are required: (9 units)

ENST 1	Introduction to Environmental Studies	3
GEO 1	Introduction to Physical Geography	3
ANTH 1	Biological/Physical Anthropology	3

Choose one course from the following: (3 units)

ECN 1	Principles of Microeconomics	3
ECN 10	General Economics	3
POSC 20	Comparative Politics	3
POSC 30	International Relations	3

Choose one course from the following: (3 units)

GEO 2	Cultural Geography	3
ANTH 3	Social and Cultural Anthropology	3
ANTH 7	Introduction to Global Studies	3
	or	
GLST 1	Introduction to Global Studies	3
	or	
POSC 11	Introduction to Global Studies	3
SOCI 1	Principles of Sociology	3

COMPLETE ONE AREA OF EMPHASIS BELOW (9-12 units)

Emphasis 1: The Social/Behavioral Environment (9 units)

HIS 4 is required: (3 units)

HIS 4	World History: 1500 to the Present	3
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Choose one class from the following: (3 units)

PSY 1	General Psychology	3
ECD 62	Child, Family and Community	3
SOCI 2	Social Problems	3

Choose one class from the following: (3 units)

If core course taken was ECON 1 or ECON 10, choose one of the following:

POSC 20	Comparative Politics	3
POSC 30	International Relations	3

If core course taken was POSC 20 or POSC 30, choose one of the following:

ECN 1	Principles of Microeconomics	3
ECN 10	General Economics	3

Emphasis 2: Social Issues and Ethics (9 units)

Choose one class from the following: (3 units)

PHIL 60	Introduction to Philosophy: Ethics	3
BUS 42	Green Business Practices	3

Choose one class from the following (3 units)

SOCI 2	Social Problems	3
SOCI 4	Marriage and Family Relations	3
ADMJ 45	Law and Democracy	3
	or	
POSC 45	Law and Democracy	3
POSC 12	Introduction to California State and Local Government	3

Choose one class from the following (3 units)

PSCN 4	Multiethnic/Cultural Communication	3
PSCN 13	Multicultural Issues in Contemporary America	3
COMM 11	Intercultural Communication	3

Emphasis 3: Environment and Human Health (9-10 units)

Two courses required: (7 units)

GEO 10	Global Environmental Problems	3
	or	
GEO 13	Climate Studies	3
	and	
ENSC 11	Humans and the Environment with Laboratory	4

Choose one class from the following: (2-3 units)

PSY 25	Stress Management and Health Psychology	2
NUTR 1	Introduction to Nutrition Science	3
ECD 54	Child Health, Safety and Nutrition	3

Emphasis 4: The Physical/Ecological Environment (11-12 units)

One course required: (3 units)

GEO 10	Global Environmental Problems	3
	or	
GEO 13	Climate Studies	3

Choose one course from the following: (4 units)

ENSC 11	Humans and the Environment with Laboratory	4
BIOL 10	Introduction to the Science of Biology	4
BIOL 4	Principles of Animal Biology and Evolution	4
BIOL 6	Principles of Plant Biology and Ecology	4

Choose one from the following: (4-5 units)

CHEM 10	Introduction to Chemistry	4
CHEM 31	Introduction to College Chemistry	4
CHEM 1A	General College Chemistry I	5

General Education Courses

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

Total Units **24 - 27**

ETHNIC STUDIES (ES)

(REVIEWED WITH NONSUBSTANTIAL CHANGE)

ETHNIC STUDIES ASSOCIATE IN ARTS

CORE COURSES UNITS

ES 1 Introduction to Ethnic Studies 3

Ethnic/Racial Groups - Select 4 courses (12 units) from the following. At least three different racial or ethnic groups must be studied.

ES 3 Introduction to Muslim-American Studies 3

ES 4 Intro to Latinx Studies 3

ANTH 8 Native American Cultures 3

ES 10 Introduction to Asian American Studies 3

or

SOCI 10 Introduction to Asian American Studies 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

HIS 20 The African-American Experience in U.S. 3

History Through the Civil War

ES 21 The African American Experience in U.S. History 3

From Reconstruction

or

HIS 21 The African American Experience in U.S. History 3

From Reconstruction

ES 25 American Indian History and Culture 3

or

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 3

or

HIS 42 Asian American History: 18th Century to 1945 3

ES 52 Mexican American History from Mesoamerica 3

to The Mexican Revolution

or

HIS 52 Mexican American History from Mesoamerica 3

to The Mexican Revolution

Comparative Courses - Select 1 course (3 units)

ES 2 Contemporary Ethnic Minority Families in the U.S. 3

ES 7 Women of Color in the United States 3

ANTH 5 Cultures of the U.S. in Global Perspective 3

SOCI 3 Introduction to Race and Ethnic Relations 3

COMM 12 Gender, Sexual Identity, and Communication 3

SOCI 6 Introduction to Gender 3

PSCN 4 Multiethnic/Cultural Communication 3

PSCN 13 Multicultural Issues in Contemporary America 3

General Education Courses

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

Total Units 18

COURSES

(NEW COURSE)

5 CRITIQUING RACE AND GENDER 3 UNITS IN POPULAR CULTURE

A critical examination of representations of people of color in popular culture, from historically significant to contemporary examples. Using an intersectional lens of race, ethnicity, gender, class, and sexuality, students will analyze representations from mainstream films, independent cultural productions, music, visual art, and social media, and how characters and communities of color are portrayed and interpret these images as consumers of media. Topics include Hollywood stereotyping, media influencing political and social events, cultural citizenship, and the role of new media, such as video games and social media platforms like YouTube. Students will learn how to critically examine and thoughtfully compare works, while using the lenses of race, ethnicity, gender, sexuality, and class to break down decode messages.

Requisites: none

Transfer: CSU, UC (UC unit limits may apply)

(NEW COURSE)

6 INTRO TO PACIFIC ISLANDS AND 3 UNITS OCEANIA STUDIES

This course is an introduction to the political, economical, historical and socio-cultural studies of the Pacific Islands and Oceania and its Polynesian, Micronesian, and Melanesian communities. An examination of Oceania's history through the pre-colonial period and present events and issues. Colonialism, immigration, identity, environment, and the creative expression of the people of Oceania throughout the diaspora are a few of the main themes. Groups include: Native Hawai'ian, Samoan, Samoan American, Tongan, Maori, Tahitian, Fijian, Solomon Islanders, Chamorro, Papua New Guinea, Palauan, Marshallese, and Native American.

Requisites: none

Transfer: CSU, UC (UC unit limits may apply)

(NEW COURSE)

43 ASIAN AMERICAN HISTORY: 3 UNITS EARLY 20TH CENTURY - 21ST CENTURY

A historical survey of Asian Americans from early 20th century to the present. Major topics will include war, refugees, immigration and settlement patterns, laws, labor and socioeconomic class, social movements, education, discrimination, gender, sexuality, and social identity. The course will interrogate the term "Asian American" and apply comparative analysis among diverse groups including Chinese, Japanese, Filipino, Korean, South Asian, and Southeast Asian. This course includes analysis of the U. S. Constitution, Supreme Court Rulings, and California State and local government issues related to the rights of Asian Americans.

Requisites: none

Transfer: CSU, UC

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

52 MEXICAN AMERICAN HISTORY FROM MESOAMERICA TO THE MEXICAN REVOLUTION 3 UNITS

(See also HIS 52)

Students will survey the social, political, economic, and cultural history of the Mexican American experience within the context of U.S. history from the pre-Columbian era to The Mexican Revolution. Students will also critically analyze the struggles and contributions of Mexican Americans in the development of the United States with comparisons to other groups. Major topics include European colonization, Indigenous cultures and slavery, the U.S. War with Mexico, the Civil War, and the Mexican Revolution. This course includes analysis of the U.S. Constitution, Supreme Court Rulings, and California State and local government issues related to the rights of Mexicans and Mexican Americans. (May not receive credit if History 52 has been completed successfully.)

Requisites: none

Transfer: CSU, UC

(NEW COURSE)

53 MEXICAN AMERICAN HISTORY FROM THE MEXICAN REVOLUTION TO THE PRESENT 3 UNITS

(See also HIS 53)

Students will survey the social, political, economic, and cultural history of the Mexican American experience within the context of U.S. history from The Mexican Revolution to the present. Students will also analyze the struggles and contributions of Mexican Americans in the development of the United States and California, and with comparisons to other groups. Major topics include The Mexican Revolution, The Great Depression, WWII, The War with Vietnam, and the Chicano/a Movement. This course includes analysis of the U. S. Constitution, Supreme Court Rulings, and California State and local government issues related to the rights of Mexican Americans. (May not receive credit if History 53 has been completed successfully.)

Requisites: none

Transfer: CSU, UC

(NEW COURSE)

63 THE AFRICAN AMERICAN EXPERIENCE IN U.S. HISTORY FROM RECONSTRUCTION 3 UNITS

(See also HIS 63)

This course presents a survey of the history of the United States from the perspective of African Americans. It presents that perspective in the contexts of the experiences of Native peoples, Europeans, Asian Americans and Hispanics/Latinos after 1865. The course explores the economic, cultural, institutional, political history of African Americans from the post-Civil War period to the present. The African American relationship with national, California state and local governments will also be covered. (May not receive credit if ES 21, HIS 21 or HIS 63 has been completed).

Requisites: none

Transfer: CSU, UC

FILM (FILM)

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

15 INTRODUCTION TO DIGITAL FILMMAKING 3 UNITS

Introduction to digital filmmaking as an artistic medium through lectures, screenings, demonstrations, and hands-on practicum. Critical analysis and appreciation of production elements and development of skills in pre-production planning, digital cinematography, direction of actors, sound design, art direction, and post-production.

Strongly Recommended: FILM 14 (completed with a grade of "C" or higher)

Transfer: CSU, UC

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

16 DIGITAL STORYTELLING 3 UNITS

Introduction to digital storytelling and current techniques of digital documentary including, sound, video and mixed media documentary. Story basics, research, structure, objective/subjective approach, audio recording, shooting setups, interviewing, and rough-cut editing.

Strongly Recommended: FILM 15

Transfer: CSU, UC

FIRE TECHNOLOGY (FT)

(REVIEWED WITH NONSUBSTANTIAL CHANGE)

FIRE TECHNOLOGY ASSOCIATE IN SCIENCE

YEAR ONE - FIRST SEMESTER - CORE COURSES UNITS

FT 1*	Principles of Emergency Services	3
EMS 1*	First Responder	2.5
FT 88A*	Introduction to Fire Fitness Training	1
FT 2	Principles of Fire and Emergency Services Safety and Survival	3
FT 6	Building Construction for Fire Protection	3

YEAR ONE - SECOND SEMESTER - CORE COURSES

EMS 2	Emergency Medical Technician - Basic and	7
EMS 2W	Patient Stabilization, Extrication & Triage	0.5
FT 3	Fire Behavior and Combustion	3
FT 10*	Introduction to Fire Fighter I Academy	1

Fire Academy students are encouraged to enroll in Fire Technology 88B to maintain fire fitness training requirements in preparation for the Academy.

YEAR TWO - FIRST SEMESTER - CORE COURSES

FT 11*	Fire Fighter I Academy	17
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Fire Academy students are encouraged to enroll in Fire Technology 88B or 88C during Fire Fighter I Academy to maintain fire fitness training requirements.

YEAR TWO - SECOND SEMESTER - CORE COURSES

FT 4	Fire Prevention	3
FT 5	Fire Protection Systems	3

REQUIRED MAJOR SPECIFIC G.E. REQUIREMENT. Complete a minimum of 3 units from the following.

BUS 14	Business Communications	3
	or	
ENGL 70	Report Writing	3
	or	
ADMJ 54	Investigative Reporting	3

Major Requirements 47

General Education with possible double counting of 1 unit (For specific A.S. General Education courses refer to catalog section on A.S. Graduation Requirements.) 19

Electives (Degree applicable units as needed)

Students pursuing the Associate Degree, who are currently employed by a Fire Department in the rank of Firefighter or higher, may have the following classes waived with proof of equivalent or higher certification: FT 10, FT 11, EMS 1, EMS 2, and EMS 2W. These students may opt for an alternate Physical Education course in lieu of the FT 88A (Introduction to Fire Fitness Training) course.

Total Units 65

* FT 1 (or equivalent course, including former FT 50 - Fire Protection Organization), FT 88A (or equivalent Fire Fitness Training), and EMS 1 (or equivalent certified Emergency Medical Responder training) must either be in progress or successfully completed with a "C" or better to enroll in FT 10 (Introduction to Fire Fighter I Academy). FT 10 must be successfully completed with a "Pass" to register for FT 11 (Fire Fighter I Academy).

(REVIEWED WITH NONSUBSTANTIAL CHANGE)

FIRE TECHNOLOGY**CERTIFICATE OF ACHIEVEMENT****YEAR ONE - FIRST SEMESTER - CORE COURSES UNITS**

FT 1*	Principles of Emergency Services	3
EMS 1*	First Responder	2.5
FT 2	Principles of Fire and Emergency Services Safety and Survival	3
FT 88A*	Introduction to Fire Fitness Training	1
FT 6	Building Construction for Fire Protection	3

FIRST YEAR - SECOND SEMESTER - CORE COURSES

EMS 2	Emergency Medical Technician - Basic and	7
EMS 2W	Patient Stabilization, Extrication & Triage	0.5
FT 3	Fire Behavior and Combustion	3
FT 10*	Introduction to Fire Fighter I Academy	1

YEAR TWO - FIRST SEMESTER - CORE COURSES

FT 11*	Fire Fighter I Academy	17
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Fire Academy students are encouraged to enroll in Fire Technology 88B or 88C during Fire Fighter I Academy to maintain fire fitness training requirements.

YEAR TWO - SECOND SEMESTER - CORE COURSES

FT 4	Fire Prevention	3
FT 5	Fire Protection Systems	3

Total Units 47

* FT 1 (or equivalent course, including former FT 50 - Fire Protection Organization), FT 88A (or equivalent Fire Fitness Training), and EMS 1 (or equivalent certified Emergency Medical Responder training) must either be in progress or successfully completed with a "C" or better to enroll in FT 10 (Introduction to Fire Fighter I Academy). FT 10 must be successfully completed with a "Pass" to register for FT 11 (Fire Fighter I Academy).

(DEACTIVATED COURSES)

50 FIRE PROTECTION ORGANIZATION**51 FIRE SERVICES OPERATIONS****51W FIRE EQUIPMENT OPERATIONS****52 FIREFIGHTER SAFETY AND SURVIVAL****53 FIRE BEHAVIOR AND COMBUSTION****54 FIRE PREVENTION TECHNOLOGY****55 FIRE PROTECTION EQUIPMENT AND SYSTEMS****56 BUILDING CONSTRUCTION FOR FIRE PROTECTION****71A FIRE COMMAND 1A: COMMAND OPERATIONS FOR THE COMPANY OFFICER****71B FIRE COMMAND 1B: ALL-RISK COMMAND OPERATIONS FOR THE COMPANY OFFICER****72 FIRE MANAGEMENT 1: MANAGEMENT FOR THE COMPANY OFFICER****73A FIRE PREVENTION 1A: INTRODUCTION TO THE CALIFORNIA FIRE CODE BRIDGE****73B FIRE PREVENTION****74A FIRE INVESTIGATION 1A: FIRE ORIGIN AND CAUSE DETERMINATION****76A TRAINING INSTRUCTOR 1A: COGNITIVE LESSON DELIVERY****76B TRAINING INSTRUCTOR 1B: PSYCHOMOTOR LESSON DELIVERY****89 FIREFIGHTER-1 ACADEMY INTRODUCTION****90A FIREFIGHTER-1 CERTIFICATION PREPARATION I (BASIC)****90B FIREFIGHTER-1 CERTIFICATION PREPARATION II (INTERMEDIATE)****90C FIREFIGHTER-1 CERTIFICATION PREPARATION III (ADVANCED)****91C I-200 BASIC ICS (INCIDENT COMMAND SYSTEM)**

FRENCH (FRNC)

(NEW DEGREE)

FRENCH CERTIFICATE OF ACHIEVEMENT

REQUIRED COURSES	UNITS
FRNC 1A Beginning French or	5
FRNC 1A1 Beginning French 1 and	3
FRNC 1A2 Beginning French 2 and	3
FRNC 1B Elementary French or	5
FRNC 1B1 Elementary French 1 and	3
FRNC 1B2 Elementary French 2	3
FRNC 2A Intermediate French	4
FRNC 2B Advanced French	4

A minimum of 16 units is required in major courses. Allowable course substitutions in place of lower level language courses are below:

HIS 2 History of Western Civilization Since 1600	3
HUMN 50 The Artful Life	3
ARTH 5 Art History - Renaissance to Modern	3
PHIL 65 Introduction to Philosophy: Theory of Knowledge	3
PHIL 70 Introduction to Political and Social Philosophy	3

Total Units	18 - 20
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GENERAL STUDIES (GNST)

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

33A STUDENT LEADERSHIP AND THE AFRICAN AMERICAN EXPERIENCE 3 UNITS

Leadership development course through the lens of the African and African American experience. Students will research, discuss, and apply leadership theories, models, values and skills to develop their own leadership capacity and to support other students and build community.

Strongly Recommended: ENGL 1A (completed with a grade of "C" or higher) It is strongly recommended that students enrolled in this class have completed at least 12 units at Chabot College, including English 1A.

Transfer: CSU, UC (UC unit limits may apply)

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

33B STUDENT LEADERSHIP AND THE AFRICAN AMERICAN EXPERIENCE 3 UNITS

Development of a leadership vision, strategy and theory that focuses on African and African American leaders past and present. Individual and team design of projects that advance the academic achievement of African American, and other historically under-resourced students. Mentoring of upcoming new leaders to help them acquire leadership skills and practice.

Prerequisite: GNST 33A (completed with a grade of "C" or higher)

Transfer: CSU, UC (UC unit limits may apply)

GEOGRAPHY (GEO)

COURSES

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

8 INTRODUCTION TO WEATHER AND CLIMATE 3 UNITS

Introduction to weather and climate and their impact on and modification by human activities. Emphasis on weather elements, events, and processes; climate controls; and the techniques, tools, and instruments of atmospheric science. Includes atmospheric optics, weather prediction, severe storms, air pollution, global/regional warming/cooling, ozone depletion, acid rain, El Niño, deforestation, desertification, and other topics related to everyday experience and global climate change. Field trips and observational activities may be included.

Requisites: none

Transfer: CSU, UC

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

10 GLOBAL ENVIRONMENTAL PROBLEMS 3 UNITS

Essential concepts of the interaction between human activities and the changing global environment, with emphasis on a multidisciplinary approach. Causes of environmental change, including ecosystem processes, the history of human population growth and demand for natural resources, fossil fuel consumption, land use change, and pollution sources. Economic and public policy issues pertaining to the sustainability of environments. Discussion of the dynamics of participation and leadership in promoting improved stewardship of the environment.

Requisites: none

Transfer: CSU, UC

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

13 CLIMATE STUDIES 3 UNITS

Climate Science is a rapidly evolving interdisciplinary field focused on the principles that govern climate, climate variability, and climate change with their implications for society. Elements of the climate system, atmospheric events and processes; factors controlling Earth's climate types, climate classification, and contemporary technological tools and instrumentation used in atmospheric science. Examination of the climate record, paleoclimates, and climate modeling and forecasting. Real-world investigations of climate change issues through observation, prediction, data analysis, and critical thinking. Emphasis on the influence of human activities on climate change, trends in global and regional climate change, and both the scientific basis and policy implications of air pollution, global warming, ozone depletion, acid rain, deforestation, and urbanization. The economic, social, and political environment that interacts with the everyday experience and potential threats of global climate change. Field trips and observational activities may be included.

Strongly Recommended: Eligibility for ENGL 1A

Transfer: CSU, UC

GLOBAL STUDIES (GLST)

(REVIEWED WITH NONSUBSTANTIAL CHANGE)

GLOBAL STUDIES ASSOCIATE IN ARTS FOR TRANSFER (AA-T)

REQUIRED CORE (6 UNITS)		UNITS
GLST 1	Introduction to Global Studies or	3
ANTH 7	Introduction to Global Studies	3
GLST 2	Issues in Global Studies	3

LIST A: SELECT FIVE (5) COURSES FROM AT LEAST FOUR (4) OF THE FOLLOWING AREAS (15-17 UNITS)

AREA 1: CULTURE AND SOCIETY

ANTH 3	Social and Cultural Anthropology	3
HIS 4	World History: 1500 to the Present	3
HIS 1	History of Western Civilization to 1600	3
HIS 2	History of Western Civilization Since 1600	3

AREA 2: GEOGRAPHY

GEO 1	Introduction to Physical Geography	3
GEO 2	Cultural Geography	3
GEO 5	World Regional Geography	3
GEO 3	Economic Geography	3

AREA 3: ECONOMICS

ECN 1	Principles of Microeconomics	3
ECN 2	Principles of Macroeconomics	3
ECN 10	General Economics	3

AREA 4: POLITICS

POSC 20	Comparative Politics	3
POSC 30	International Relations	3
POSC 1	Introduction to American Government	3
POSC 25	Introduction to Political Theory	3

AREA 5: HUMANITIES

ENGL 41	World Literature (17th Century to the Present)	3
FRNC 2A	Intermediate French	4
FRNC 2B	Advanced French	4
GERM 2A	Intermediate German	4
GERM 2B	Advanced German	4
ITAL 2A	Intermediate Italian	4
ITAL 2B	Advanced Italian	4
SPA 2A	Intermediate Spanish	4
SPA 2B	Advanced Spanish	4

Total Units	21 - 23
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HEALTH (HLTH)

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

1 INTRODUCTION TO PERSONAL HEALTH 3 UNITS

This course focuses on the exploration of major health issues and behaviors in the various dimensions of health. Emphasis is placed on individual responsibility for personal health and the promotion of informed, positive health behaviors. Topics include nutrition, exercise, weight control, mental health, stress management, violence, substance abuse, reproductive health, disease prevention, aging, healthcare, and environmental hazards and safety.

Requisites: none

Transfer: CSU, UC

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

8 HUMAN SEXUALITY 3 UNITS

(See also PSY 8 and SOCI 8)

This course is an introductory overview of the field of human sexuality. Human sexuality in our contemporary society will be studied from the psychological, biological, sociocultural, and historical perspectives. Emphasis on understanding the interrelationship of attitude and behavior as it relates to sexual well-being and sexual integrity. Students will be encouraged to examine their own attitudes, values, and behaviors in the context of their moral compass and their culture and societal values. Current sex norms and various aspects of interpersonal and individual sexual adjustment will be explored. May not receive credit if PSY 8 or SOCI 8 has been completed.

Requisites: none

Transfer: CSU, UC (UC unit limits may apply)

HISTORY (HIS)

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

1 HISTORY OF WESTERN CIVILIZATION TO 1600 3 UNITS

This course covers the origin and development of civilization in the Mediterranean and its expansion into Europe - the Near East, Greece, Rome, the Middle Ages, Renaissance and the Reformation. Influences in religion, culture, technology and political structures that develop into European society of the early modern period will be studied.

Requisites: none

Transfer: CSU, UC

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

2 HISTORY OF WESTERN CIVILIZATION SINCE 1600 3 UNITS

History of the Modern Western World from the end of the medieval period to the present. The course develops the western world, (Europe and the Americas), as these societies develop modern ways of thinking and producing, and tracks the rise of the modern nation-state. Interaction with other civilizations, and globalization will be studied.

Requisites: none

Transfer: CSU, UC

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

3 WORLD HISTORY: BEGINNINGS TO 1500 3 UNITS

A survey of world history from the beginning of civilization and ancient cultures to 1500 C.E. Interconnections and divergence among cultures and civilizations in a global context will be emphasized. During the classical period, up to 500 C.E., similarities and differences as civilizations developed will be examined. The postclassical period, 500 to 1500, will look specifically at contact and interaction among peoples. Broader forces that affect civilizations such as trade patterns, migration, nomadism, syncretism, and disease patterns will be studied.

Requisites: none

Transfer: CSU, UC

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

4 WORLD HISTORY: 1500 TO THE PRESENT 3 UNITS

A survey of world history from 1500, including the early modern and modern eras. Interconnections and exchange will be emphasized. Similarities and differences among cultures will be examined. Cultural, intellectual, and technological developments and exchange will be explored. Broader forces that affect civilizations such as borderlands, exploration and travel, gender and class will be studied.

Requisites: none

Transfer: CSU, UC

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

8 U.S. HISTORY SINCE RECONSTRUCTION 3 UNITS

A survey of United States history from 1877 to the present with a special emphasis on the interaction amongst and the experiences of diverse racial/ethnic (African Americans, European Americans, Native Americans, Chicano/Latino Americans, Asian Americans, and Middle Eastern Americans), gender and socioeconomic groups in American History. Includes analysis of (1) the U.S. Constitution as a living document in the context of historical change, and (2) significant issues related to California state and local governments.

Requisites: none

Transfer: CSU, UC

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

48 U. S. WOMEN'S HISTORY THROUGH RECONSTRUCTION (Formerly HIS 26) 3 UNITS

A survey of United States women's history from its pre-colonial, indigenous origins through the end of Reconstruction. Emphasizes the interaction and experiences of diverse racial/ethnic groups that include at least three of the following groups: African-Americans, Chicana/Latina Americans, Asian Americans, European Americans, Native Americans, and Middle Eastern Americans. Emphasis on (1) distinctively American patterns of political, economic, social, intellectual and geographic developments, (2) the interaction amongst and the experiences of diverse racial, ethnic and socioeconomic groups in American history, and (3) the evolution of American institutions and ideals including the U. S. Constitution, representative democratic government, the framework of California state and local government, and the relationships between state/local government and the federal government.

Requisites: none

Transfer: CSU, UC

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

49 U.S. WOMEN'S HISTORY POST-RECONSTRUCTION 3 UNITS
(Formerly HIS 27)

A survey of United States women's history from 1877 to the present with a special emphasis on the interaction amongst and the experiences of diverse racial/ethnic (African Americans, European Americans, Indigenous North Americans, Chicana/Latina Americans, Asian Americans, and Middle Eastern Americans), and socio-economic groups in American history. Includes analysis of (1) the U. S. Constitution as a living document in the context of historical change, and (2) significant issues related to California state and local governments.

Requisites: none
Transfer: CSU, UC

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

52 MEXICAN AMERICAN HISTORY FROM MESOAMERICA TO THE MEXICAN REVOLUTION 3 UNITS
(See also ES 52)

Students will survey the social, political, economic, and cultural history of the Mexican American experience within the context of U.S. history from the pre-Columbian era to The Mexican Revolution. Students will also critically analyze the struggles and contributions of Mexican Americans in the development of the United States with comparisons to other groups. Major topics include European colonization, Indigenous cultures and slavery, the U.S. War with Mexico, the Civil War, and the Mexican Revolution. This course includes analysis of the U.S. Constitution, Supreme Court Rulings, and California State and local government issues related to the rights of Mexicans and Mexican Americans. (May not receive credit if Ethnic Studies 52 has been completed successfully.)

Requisites: none
Transfer: CSU, UC

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

53 MEXICAN AMERICAN HISTORY FROM THE MEXICAN REVOLUTION TO THE PRESENT 3 UNITS
(See also ES 53)

Students will survey the social, political, economic, and cultural history of the Mexican American experience within the context of U.S. history from The Mexican Revolution to the present. Students will also analyze the struggles and contributions of Mexican Americans in the development of the United States and California, and with comparisons to other groups. Major topics include The Mexican Revolution, The Great Depression, WWII, The War with Vietnam, and the Chicano/a Movement. This course includes analysis of the U. S. Constitution, Supreme Court Rulings, and California State and local government issues related to the rights of Mexican Americans. (May not receive credit if Ethnic Studies 53 has been completed successfully.)

Requisites: none
Transfer: CSU, UC

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

62 THE AFRICAN-AMERICAN EXPERIENCE IN U.S. HISTORY THROUGH THE CIVIL WAR 3 UNITS
(See also ES 62) (Formerly HIS 20)

This course presents a survey of the history of the United States from the perspective of African Americans. It presents that perspective in the context of the experiences of Europeans, Native Americans, Asian Americans, and Latinos. Early African history, the trade in African slaves, and exploration of the political, economic, demographic and social influences shaping African American life and culture prior to 1865 will be examined. The U.S. government and the Constitution, the California government and Constitution, and other constitutional models for comparison and contrast will also be covered. (May not receive credit if ES 62 has been completed successfully.)

Requisites: none
Transfer: CSU, UC

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

63 THE AFRICAN AMERICAN EXPERIENCE IN U.S. HISTORY FROM RECONSTRUCTION 3 UNITS
(See also ES 63) (Formerly HIS 21)

This course presents a survey of the history of the United States from the perspective of African Americans. It presents that perspective in the contexts of the experiences of Native peoples, Europeans, Asian Americans and Hispanics/Latinos after 1865. The course explores the economic, cultural, institutional, political history of African Americans from the post-Civil War period to the present. The African American relationship with national, California state and local governments will also be covered. May not receive credit if HIS 21, ES 21 or ES 63 has been completed.

Requisites: none
Transfer: CSU, UC

INDUSTRIAL TECHNOLOGY (INDT)

(REVIEWED WITH NONSUBSTANTIAL CHANGE)

ADVANCED MANUFACTURING TECHNOLOGY CERTIFICATE OF ACHIEVEMENT

CORE BLOCK (16 UNITS)		UNITS
INDT 62	Advanced Manufacturing Operations	3
INDT 63	Introduction to Micro, Nano, and Semiconductor Manufacturing	3
INDT 64	Digital 2D Manufacturing	2
INDT 65	Digital 3D Manufacturing	2
ESYS 51	Fabrication Techniques for Electronic Systems Technology	2
ESYS 57A	Process Control Systems	2
ESYS 57B	PLC and Robotic System Components	2

Select one course from the following (3 units)

MTT 50	Blueprint Reading, Sketching, and CAD	3
	or	
MTT 81A	SolidWorks for Machine Shops	3

Total Units 19

COURSES

(NEW NONCREDIT COURSE)

201 MAKERSPACE PROJECT PROTOTYPING **54 HOURS**

Development and prototyping of student-selected projects. Automated design tools, automated and hand fabrication and assembly techniques, measurement and evaluation of prototype.

Requisites: none

INTERIOR DESIGN (ID)

(REVIEWED WITH NONSUBSTANTIAL CHANGE)

KITCHEN AND BATH DESIGN CERTIFICATE OF ACHIEVEMENT

YEAR ONE	UNITS
ID 48 Drafting for Interior Design	3
ID 54 Principles of Interior Design	3
ID 58 Fundamentals of Lighting	3
ID 50 Residential Space Planning	3
ID 62 Kitchen and Bathroom Design	3

YEAR TWO	UNITS
ID 51 Digital Drafting Principles I	3
ID 56 Professional Practices	3
ID 70 Advanced Kitchen and Bath Design	3
ID 60 Materials and Resources	3
ID 49 Digital Tools for Design and Visual Communication	4
or	
ARCH 68 Digital Tools for Design and Visual Communication	4

Total Units **31**

COURSES

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

48 DRAFTING FOR INTERIOR DESIGN **3 UNITS**

This course will introduce basic drafting techniques as related to architectural working drawings for interior design. Emphasis is on lettering, measuring techniques, scale problems, use of architectural and NKBA graphic standards, dimensioning, plans, elevations, sections, and perspective drawings.

Requisites: none

Transfer: CSU

JAPANESE (JAPN)

(NEW CERTIFICATE)

JAPANESE CERTIFICATE OF ACHIEVEMENT

REQUIRED COURSES:	UNITS
JAPN 1A Beginning Japanese	5
JAPN 1B Elementary Japanese	5
JAPN 2A Intermediate Japanese	4
JAPN 2B Advanced Japanese	4
Total Units	18

KINESIOLOGY (KINE)

(REVIEWED WITH NONSUBSTANTIAL CHANGE)

SPORTS INJURY CARE CERTIFICATE OF PROFICIENCY

REQUIRED COURSES	UNITS
KINE 2 Introduction to Athletic Training	4
KINE 18 Introduction to CPR and First Aid for Coaches	2
ANAT 1 General Human Anatomy	5
or	
BIOL 50 Anatomy and Physiology	4

Physical Education Courses (2-3 units from the courses seleted below)

KINE 10 Nutrition for Fitness and Fat Loss	3
or	
KINE 11 Nutrition For Sports And Human Performance	3
PEAC WE11 Introduction to Weight Training	.5 - 2
or	
PEAC SPM1 Speed, Plyometric and Agility Training for Men	.5 - 2
or	
PEAC PLF1 Plyometrics and Agility Training for Women	.5 - 2

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

Total Units **12 - 14**

COURSES

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

3 INTRODUCTION TO PRINCIPLES OF COACHING SPORTS: BEYOND THE BASICS 3 UNITS

Coaching beyond the basics: ethics, physical training theories and management principles. Research into successful leadership principles, skills and philosophies. Coaching effectiveness and team building dynamics. Upon successful completion of the course, the student will be able to take the California and National High School Coaching certification examination.

Requisites: none

Transfer: CSU, UC

(NEW COURSE)

3BK INTRODUCTION TO THE PRINCIPLES OF COACHING BASKETBALL 2 UNITS

Theory, principles, training concepts, strategies and the ethics of coaching the sport of basketball.

Requisites: none

Transfer: CSU, UC

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

DMP PREVENTION OF TYPE II DIABETES THROUGH NUTRITION AND EXERCISE 2 UNITS

Designed to lower the risk factors of metabolic syndrome and adult type II diabetes in young adults. This course will include both lecture and exercise activities aimed at lowering body fat, elevated blood pressure and elevated blood sugar levels.

Requisites: none

LEARNING SKILLS (LNSK)

(NEW NONCREDIT COURSE)

217 READING 72 HOURS

Reading to develop decoding, vocabulary, and comprehension skills. Use of specialized developed with students with specific learning disabilities in mind. Includes reading comprehension strategies, and vocabulary development in preparation for college level English courses.

Strongly Recommended: LNSK 116 (completed with a grade of "P" or higher)

(NEW NONCREDIT COURSE)

219 MATHEMATICS 54 HOURS

Preparation for basic arithmetic and problem solving for success in college level math for students with learning disabilities. Emphasis on quantitative reasoning abilities needed to process and integrate word problems and related problem solving tasks. Designed for students with identified learning disabilities.

Strongly Recommended: LNSK 116 (completed with a grade of "P" or higher)

MASS COMMUNICATIONS (MCOM)

COURSES

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

40 INTRODUCTION TO BROADCASTING 3 UNITS

Introduces the history, theory, structure, function, economics, content and evolution of radio, television, film, the Internet, new media and their impact on culture and society. Includes, technological development, programming, ratings, legal aspects, and political and social control of broadcasting in America, and cross-cultural, international comparisons. Regulatory, ethical and occupational impact of the electronic media are also studied.

Requisites: none

Transfer: CSU, UC

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

42 WRITING FOR BROADCASTING 3 UNITS

Techniques of writing for radio, television, film and electronic media; script writing in proper formats, including fundamental technical, conceptual and stylistic issues related to writing fiction and non-fiction scripts for informational and entertainment purposes. Includes a writing evaluation component as a significant part of the course requirement.

Strongly Recommended: ENGL 1A

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

44 RADIO & TELEVISION ANNOUNCING 3 UNITS

Developing skills in projection of personality, vocal performance and pronunciation necessary for communication of ideas in radio and television broadcasting under studio circumstances. Activities will equip students in understanding and developing themselves as integrated physiological, social, and psychological media personalities.

Requisites: none

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

50 RADIO STUDIO TECHNIQUES 3 UNITS

Operational procedures and practices in modern radio broadcast studios. Introductory course in theory and application of audio production techniques for radio. Students will gain a basic understanding of audio equipment in both live and pre-recorded broadcasting. This includes recording equipment, mixers, digital audio production, radio program formats, broadcast writing and announcing skills.

Requisites: none

Transfer: CSU

MATHEMATICS (MTH)

COURSES

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

31 COLLEGE ALGEBRA 3 UNITS

Preparation for Calculus for Business and Social Science students. Functions and graphs: polynomials, rational functions, exponential and logarithmic functions, circles, parabolas, binomial theorem, sequences and series. Solving rational, radical, quadratic in form, exponential and logarithmic equations.

Prerequisite: MTH 55 (completed with a grade of "C" or higher), MTH 55B (completed with a grade of "C" or higher) or an appropriate placement through the Mathematics Placement/Assessment process.

Transfer: CSU, UC (UC unit limits may apply)

(NEW COURSE)

31S COLLEGE ALGEBRA WITH SUPPORT 4 UNITS

Preparation for Calculus for Business and Social Science students. Functions and graphs: polynomials, rational functions, exponential and logarithmic functions, circles, parabolas, binomial theorem, sequences and series. Solving rational, radical, quadratic in form, exponential and logarithmic equations. This course is equivalent to MTH 31 with additional lab hours for students who did not place directly into MTH 31 or for students who place directly into MTH 31 but desire additional instruction.

Prerequisite: MTH 55 (completed with a grade of "C" or higher) or, MTH 55B (completed with a grade of "C" or higher) or an appropriate placement through the Mathematics Placement process.

Transfer: CSU, UC (UC unit limits may apply)

(NEW COURSE)

31W COLLEGE ALGEBRA WORKSHOP 0.5 - 1 UNIT

Laboratory, study group, collaborative workshop or computer laboratory time for College Algebra.

Corequisite: MTH 31

(NEW COURSE)

33S FINITE MATHEMATICS WITH SUPPORT 4.5 UNITS

Straight lines, systems of linear equations, matrices, systems of linear inequalities, linear programming, mathematics of finance, sets and Venn diagrams, combinatorial techniques and an introduction to probability. Applications in business, economics and the social sciences. This course is equivalent to MTH 33 with additional lab hours for students who did not place directly into MTH 33 or for students who place directly into MTH 33 but desire additional instruction.

Prerequisite: MTH 55 (completed with a grade of "C" or higher) or, MTH 55B (completed with a grade of "C" or higher) or an appropriate placement through the Mathematics Placement process.

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

33W FINITE MATHEMATICS WORKSHOP 0.5 - 1 UNIT

Laboratory, study group, collaborative workshop or computer laboratory time for Finite Mathematics.

Corequisite: MTH 33

Transfer: CSU

(NEW COURSE)

36S TRIGONOMETRY WITH SUPPORT 4 UNITS

Plane trigonometry. Includes circular and right triangle trigonometric functions; trigonometric equations, graphs and identities; triangle solutions. Polar coordinates. This section include embedded review of basic algebra and geometry topics as needed, to improve understanding of trigonometric topics. This course is equivalent to MTH 36 with additional lab hours for students who did not place directly into MTH 36 or for students who place directly into MTH 36 but desire additional instruction.

Prerequisite: MTH 57 (completed with a grade of "C" or higher) or, MTH 57W (completed with a grade of "C" or higher) and, MTH 55 (completed with a grade of "C" or higher) or, MTH 55B (completed with a grade of "C" or higher) or, MTH 55L (completed with a grade of "C" or higher) or an appropriate placement through the Mathematics Placement process.

May not receive credit if Mathematics 37 has been completed

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

36W TRIGONOMETRY WORKSHOP 0.5 - 1 UNIT

Laboratory, study group, collaborative workshop or computer laboratory time for Trigonometry.

Corequisite: MTH 36

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

37 TRIGONOMETRY WITH AN EMPHASIS ON ITS GEOMETRIC FOUNDATIONS 5 UNITS

Plane trigonometry, with topics from plane geometry. Contains the entire subject content of Mathematics 36. Includes circular and right triangle trigonometric functions; trigonometric equations, graphs and identities; triangle solutions. Polar coordinates. Also includes congruence, properties of polygons, parallel lines, similarity, areas, volumes, and coordinate geometry. **Prerequisite:** MTH 55 (completed with a grade of "C" or higher) or, MTH 55L (completed with a grade of "C" or higher) or, MTH 55B (completed with a grade of "C" or higher) or an appropriate skill level demonstrated through the Early Assessment Program or an appropriate skill level demonstrated through the Mathematics Assessment process. **May not receive credit if Mathematics 36 has been completed.**

Transfer: CSU

(NEW COURSE)

37S TRIGONOMETRY WITH AN EMPHASIS ON ITS GEOMETRIC FOUNDATIONS WITH SUPPORT 5.5 UNITS

Plane trigonometry, with topics from plane geometry. Contains the entire subject content of Mathematics 36. Includes circular and right triangle trigonometric functions; trigonometric equations, graphs and identities; triangle solutions. Polar coordinates. Also includes congruence, properties of polygons, parallel lines, similarity, areas, volumes, and coordinate geometry. This class will also include supplemental support material as review of the pre-requisite skills. This course is equivalent to MTH 37 with additional lab hours for students who did not place directly into MTH 37 or for students who place directly into MTH 37 but desire additional instruction.

May not receive credit if Mathematics 36 has been completed.

Prerequisite: MTH 55 (completed with a grade of "C" or higher) or, MTH 55B (completed with a grade of "C" or higher) or, MTH 55L (completed with a grade of "C" or higher) or an appropriate placement through the Mathematics Placement process.

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

37W TRIGONOMETRY WITH AN EMPHASIS ON ITS GEOMETRIC FOUNDATIONS WORKSHOP 0.5 - 1 UNIT

Laboratory, study group, collaborative workshop or computer laboratory time for Trigonometry with an Emphasis on its Geometric Foundations.

Corequisite: MTH 37

Transfer: CSU

(NEW COURSE)

41S NUMBER SYSTEMS WITH SUPPORT 3.5 UNITS

Development of quantitative reasoning skills through exploration of mathematical topics. Topics include structure of numeration systems including the real number system and its subsystems, number theory, and computational algorithms. This course is equivalent to MTH 41 with additional lab hours for students who did not place directly into MTH 41 or for students who place directly into MTH 41 but desire additional instruction.

Prerequisite: MTH 55 (completed with a grade of "C" or higher) or, MTH 53 (completed with a grade of "C" or higher) or, MTH 53B (completed with a grade of "C" or higher) or, MTH 55L (completed with a grade of "C" or higher) or, MTH 55B (completed with a grade of "C" or higher) or, MTH 54 (completed with a grade of "C" or higher) or, MTH 54L (completed with a grade of "C" or higher) or

Completion of: an appropriate placement through the Mathematics Placement process

Transfer: CSU

(NEW COURSE)

41W NUMBER SYSTEMS WORKSHOP 0.5 - 1 UNIT

Laboratory, study group, collaborative workshop or computer laboratory time for Number Systems.

Corequisite: MTH 41

Transfer: CSU

(NEW COURSE)

43S INTRODUCTION TO PROBABILITY AND STATISTICS WITH SUPPORT 5 UNITS

Descriptive statistics, including measures of central tendency and dispersion; elements of probability; tests of statistical hypotheses (one and two populations); correlation and regression; ANOVA; applications in various fields. Introduction to the use of computer software package to complete both descriptive and inferential statistics problems. This course is equivalent to MTH 43 with additional lab hours for students who did not place directly into MTH 43 or for students who place directly into MTH 43 but desire additional instruction. May not receive credit if Mathematics 35 has been completed. Laboratory, study group, collaborative workshop or computer laboratory time for Introduction to Probability and Statistics.

Strongly Recommended: ENGL 1A

Prerequisite: MTH 53 (completed with a grade of "C" or higher) or, MTH 53B (completed with a grade of "C" or higher) or, MTH 54 (completed with a grade of "C" or higher) or, MTH 54L (completed with a grade of "C" or higher) or, MTH 55 (completed with a grade of "C" or higher) or, MTH 55B (completed with a grade of "C" or higher) or, MTH 55L (completed with a grade of "C" or higher) or an appropriate placement through the Mathematics Placement process

Transfer: CSU, UC (UC unit limits may apply)

(NEW COURSE)

47S MATHEMATICS FOR LIBERAL ARTS WITH SUPPORT 3.5 UNITS

An introductory study of several mathematical topics. Use of mathematics to make informed decisions in different areas of daily life such as finance and politics. Topics include logic, voting, apportionment, probability, statistics, finance, and graph theory. This course is equivalent to MTH 47 with additional lab hours for students who did not place directly into MTH 47 or for students who place directly into MTH 47 but desire additional instruction.

Prerequisite: MTH 55 (completed with a grade of "C" or higher) or, MTH 55B (completed with a grade of "C" or higher) or, MTH 53 (completed with a grade of "C" or higher) or, MTH 53B (completed with a grade of "C" or higher) or an appropriate placement through the Mathematics Placement process.

Transfer: CSU, UC

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

47W MATHEMATICS FOR LIBERAL ARTS WORKSHOP 0.5 - 1 UNIT

Laboratory, study group, collaborative workshop or computer laboratory time for Mathematics for Liberal Arts.

Corequisite: MTH 47

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

55 INTERMEDIATE ALGEBRA 5 UNITS

Concepts involving complex numbers, quadratic equations, parabolas and circles, functions and their graphs, systems of equations, rational exponents, radical equations, absolute value equations and inequalities, exponential and logarithmic functions and equations.

Prerequisite: MTH 53 (completed with a grade of "C" or higher), MTH 53B (completed with a grade of "C" or higher), MTH 65 (completed with a grade of "C" or higher), MTH 65B (completed with a grade of "C" or higher) or an appropriate skill level demonstrated through the Mathematics Assessment process. May not receive credit if MTH 55A and MTH 55B or MTH 55L have been completed.

(NEW NONCREDIT COURSE)

204A PREALGEBRA WITH WHOLE NUMBERS 18 HOURS

This noncredit course is part of a noncredit certificate of competency in Prealgebra. This course is free and students may repeat this course until mastery of the skills is met. This is a great class for students who are transitioning to college, who are unsure of their abilities, or who have been out of school for while and want some more mathematics preparation before transitioning to college-level math. This course covers a review of arithmetic on whole numbers, place value, and rounding, as well as an introduction to algebraic concepts.

Requisites: none

(NEW NONCREDIT COURSE)

204B PREALGEBRA WITH INTEGERS 18 HOURS

This noncredit course is part of a noncredit certificate of competency in Prealgebra. This course is free and students may repeat this course until mastery of the skills is met. This is a great class for students who are transitioning to college, who are unsure of their abilities, or who have been out of school for while and want some more mathematics preparation before transitioning to college-level math. This course covers an introduction to algebraic concepts, including arithmetic on signed numbers, algebraic expressions, and linear equations.

Requisites: none

(NEW NONCREDIT COURSE)

204C PREALGEBRA WITH RATIONAL AND DECIMAL NUMBERS 18 HOURS

This noncredit course is part of a noncredit certificate of competency in Prealgebra. This course is free and students may repeat this course until mastery of the skills is met. This is a great class for students who are transitioning to college, who are unsure of their abilities, or who have been out of school for while and want some more mathematics preparation before transitioning to college-level math. This course covers fractions, decimals, and percentages and extends algebraic concepts to include rational and decimal numbers.

Requisites: none

(NEW NONCREDIT COURSE)

204D PREALGEBRA PROBLEM SOLVING 18 HOURS

This noncredit course is part of a noncredit certificate of competency in Prealgebra. This course is free and students may repeat this course until mastery of the skills is met. This is a great class for students who are transitioning to college, who are unsure of their abilities, or who have been out of school for while and want some more mathematics preparation before transitioning to college-level math. This course extends prealgebra techniques to solve multi-step application problems. Emphasis is placed on applying problem solving techniques to solve geometric and financial problems. This course also introduces to the Cartesian plane, graphing, and linear functions.

Requisites: none

(NEW NONCREDIT COURSE)

210 MATH JAM FOR BUSINESS AND STEM MATHEMATICS PATHWAY 27 HOURS

Review of algebra and study skills required for success in transfer-level mathematics. This course is intended to prepare students for coursework in the Business and STEM pathways.

Requisites: none

(NEW NONCREDIT COURSE)

220 MATH JAM FOR STATISTICS AND LIBERAL ARTS MATHEMATICS PATHWAY 27 HOURS

This noncredit course reviews algebra and study skills required for success in transfer-level mathematics. This course is intended to prepare students for coursework in the Statistics and Liberal Arts Mathematics pathway (non-STEM majors). If you need a refresher on algebra or you want to get a jump-start on your next math class, this course is for you!

Requisites: none

(NEW NONCREDIT COURSE)

253 NONCREDIT APPLIED ALGEBRA AND DATA ANALYSIS 108 HOURS

This noncredit course is part of a noncredit certificate of competency in Preparation for College Mathematics for the Statistics and Liberal Arts pathway. This course is free and is intended to prepare students for the rigor of college-level mathematics coursework required in non-STEM fields. Students may repeat this course until mastery of the skills is met. This course covers the same content as MTH 53 Applied Algebra and Data Analysis. Students who are transitioning to college, who are unsure of their abilities, or who have been out of school for while may prefer to take the noncredit MTH 253 instead of MTH 53 since it is free and may be repeated. This course covers equations and formulas; linear, exponential, logarithmic functions; measurement and conversion of units; exponents and scientific notation; introduction to descriptive statistics including graphical methods; introduction to probability. This course is intended for students who are following the Statistics and Liberal Arts Mathematics pathway.

Requisites: none

(NEW NONCREDIT COURSE)

255 NONCREDIT INTERMEDIATE ALGEBRA 90 HOURS

This noncredit course is part of a noncredit certificate of competency in Preparation for College Mathematics for the Business and STEM pathway. This course is free and is intended to prepare students for the rigor of college-level mathematics coursework required in STEM fields. Students may repeat this course until mastery of the skills is met. This course covers the same content as MTH 55 Intermediate Algebra. Students who are transitioning to college, who are unsure of their abilities, or who have been out of school for while may prefer to take the noncredit MTH 255 instead of MTH 55 since it is free and may be repeated. This course covers topics of Intermediate Algebra, such as quadratic equations, parabolas and circles, functions and their graphs, systems of equations, radical equations, as well as exponential and logarithmic functions and equations. This is a great class for students interested in the Business or STEM fields who want some more preparation before transitioning to college-level math.

Requisites: none

MEDICAL ASSISTING (MEDA)

COURSES

73 CLINICAL EXPERIENCE PRACTICUM 4 UNITS

Application of principles and skills through participation in a simulated employment experience. Assisting the physician under close supervision in a health maintenance organization, or physician's office or clinic. Practicum - approximately 36 hours a week until required hours are completed - will occur the last 6 weeks of the spring term.

Prerequisite: MEDA 70B (completed with a grade of "C" or higher), MEDA 71B (completed with a grade of "C" or higher), MEDA 72B (completed with a grade of "C" or higher), HLTH 51B (completed with a grade of "C" or higher)

Corequisite: MEDA 74

Transfer: CSU

(NEW COURSE)

80 MEDICAL ASSISTING CERTIFICATION EXAM PREPAREDNESS 1 UNIT

This course will help prepare the medical assistant to take a national or state medical assistant certification examination. Focus will be on general, administrative, and clinical components as well as student study skills and exam techniques needed to prepare for and to take an exam.

Requisites: none

Transfer: CSU

MUSIC RECORDING TECHNOLOGY (MURT)

(REVIEWED WITH NONSUBSTANTIAL CHANGE)

GAME AUDIO CERTIFICATE OF PROFICIENCY

CORE COURSES	UNITS
MURT 20 Digital Audio Workstation	3
MURT 22A Electronic Music I	3
MURT 31 Sound Design	3
MURT 32A Game Audio Design I	3
MURT 32B Game Audio Design II	3
MUSA 20A Guitar I	1
or	
MUSA 21A Piano I	1
or	
MUSA 22A Jazz Piano and Musicianship I	1
Total Units	16

MUSIC LITERATURE (MUSL)

(NEW CERTIFICATE)

HARMONY & MUSICIANSHIP CERTIFICATE OF ACHIEVEMENT

Completion of the Harmony & Musicianship course sequence (MUSL 2A-D).

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
Total Units	16

NURSING (NURS)

(REVIEWED WITH NONSUBSTANTIAL CHANGE)

NURSING ASSOCIATE IN ARTS

PREREQUISITES: SCIENCES	UNITS
ANAT 1 General Human Anatomy	5
PHSI 1 Human Physiology	5
MICR 1 Microbiology	5

Online labs will not be accepted.

There is a 7 year recency requirement for the science prerequisite courses and a minimum of 2.5 GPA is required in these 3 courses.

BEHAVIORAL AND SOCIAL SCIENCE PREREQUISITES	UNITS
PSY 1 General Psychology	3
SOCI 1 Principles of Sociology	3

COMMUNICATION PREREQUISITES (6 UNITS)	UNITS
ENGL 1A Critical Reading and Composition	3
COMM 1 Fundamentals of Speech Communication or	3
COMM 10 Interpersonal Communication	3

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
NURS 77 Physical Assessment	0.5

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	1
NURS 60B Adult Health II	6
NURS 60C Adult Health III	3.5

ADDITIONAL NURSING PROGRAM INFORMATION

To progress and graduate from the Nursing Program, students must earn a minimum grade of "C" in each nursing course. Graduates of this program receive an Associate in Arts degree in Nursing.

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

ADDITIONAL REQUIREMENTS FOR THE AA IN NURSING

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

Unit Calculation

Major Requirements (Including Prerequisites)	69
General Education (possible double counting of 15 units)	22
Electives (Degree applicable units as needed)	

Total Units **76**

(REVIEWED WITH NONSUBSTANTIAL CHANGE)

30 UNIT LVN-RN (NON-DEGREE)

PREREQUISITE COURSES	UNITS
For this option only the LVN is given credit for Anatomy taken in the LVN Program.	
PHSI 1 Human Physiology	5
MICR 1 Microbiology	5

There is a 7 year recency requirement for the Basic Sciences (ANAT, PHYS, MICR) and a minimum of 2.5 GPA. On-line labs for the science courses will not be accepted.

PREREQUISITES FOR ADMISSION:

(1) completion of Advanced Standing application; (2) validation of previous nursing knowledge; (3) must have a minimum of 500 hours of current experience with direct patient care in either a Skilled Nursing Facility or Hospital environment; (4) mandatory orientation meeting.

COMPLETE AN ADVANCED STANDING APPLICATION TO TAKE THE FOLLOWING COURSES:

NURS 70 LVN-RN Transition	1.5
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While in NURS 70 the student will take Kaplan computer exams to prove competency in these areas (Pediatrics, Maternity, Pharmacology, MS and Fundamentals). Score threshold (cut score) is identified by Kaplan statistics. If score less than threshold after 2 attempts student may take the theory courses NURS81, NURS82 or NURS64. If student fails the Fundamentals exam they student may not continue in this pathway.

NURS 70L Clinical Skills Practice and Assessment Lab	0.5
NURS 84 Prescriptive Clinical Nursing Skills Practice	0.5

Nursing Courses

If accepted into the Nursing Program on a space available basis:

NURS 53 Mental Health Nursing	4
NURS 88 Pathophysiology	3
NURS 77 Physical Assessment	0.5
NURS 60B Adult Health II	6
NURS 60C Adult Health III	3.5

Total Units **29.5**

COURSES

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

51 MATERNITY NURSING 4 UNITS

Nursing care of the childbearing family. The focus is on the physiological and psychological needs of families as they are affected by pregnancy, labor and birth, postpartum, and newborn stages. Theory and clinical practice include integration of assessment skills, women's health, violence against women, nutrition, pain management, ethical issues, and teaching strategies unique to childbearing families. Quality, Safety, Education in Nursing (QSEN) concepts are incorporated. Total weeks - 9.

Prerequisite: NURS 55 (completed with a grade of "C" or higher)

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

53 MENTAL HEALTH NURSING 4 UNITS

Emphasis on the use of the nursing process in the care of clients of all ages experiencing selected conditions requiring treatment in psychiatric care settings. Theory and clinical practice includes integration of assessment skills, nutrition, pharmacological and crisis intervention concepts, legal-ethical issues, and anger management. Concepts related to the California Nursing Practice Act, and Quality, and Safety Education in Nursing (QSEN) will be incorporated. Total - 9 weeks.

Prerequisite: NURS 70 (completed with a grade of "C" or higher) or, NURS 55 (completed with a grade of "C" or higher)

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

55 FUNDAMENTALS OF NURSING PRACTICE 9 UNITS

Introduction to fundamental concepts and practices in nursing care across the life span. Application of the nursing process to the care of adult and geriatric clients with acute and chronic disorders and fundamental nursing skills. Theoretical content provides an overview of the care of clients with diverse cultural backgrounds and spiritual needs as well as principles of therapeutic communication. Concepts related to the California Nursing Practice Act, as well as principles of safe clinical practice.

Prerequisite: Acceptance into the Nursing Program.

Transfer: CSU

(DEACTIVATED COURSE)

58 NURSING CARE FOR PATIENTS WITH INFECTIOUS DISEASE

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

60A ADULT HEALTH I 4 UNITS

Emphasis on the use of the nursing process in the care of adults experiencing selected conditions requiring treatment in medical-surgical care settings. Theory and clinical practice includes integration of assessment skills, nutrition, medication administration and legal-ethical issues. Concepts related to the California Nursing Practice Act, and Quality, and Safety Education in Nursing (QSEN) will be incorporated. Total - 9 weeks

Prerequisite: NURS 55 (completed with a grade of "C" or higher)

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

60B ADULT HEALTH II 6 UNITS

Nursing interventions that assist the adult client in adaptation to stressors of acute and chronic illnesses with unpredictable outcomes. Focus on caring for groups of clients in the medical-surgical and critical care setting. Concepts related to the California Nursing Practice Act, as well as principles of safe clinical practice will be included. Total - 12 weeks.

Prerequisite: NURS 51 (completed with a grade of "C" or higher), NURS 52 (completed with a grade of "C" or higher), NURS 53 (completed with a grade of "C" or higher), NURS 60A (completed with a grade of "C" or higher)

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

60C ADULT HEALTH III 3.5 UNITS

Discussion of leadership styles, delegation of care, evidence based practice, conflict management, delegation of assignments, prioritization of client care, and organizational structure the health care organization. Concepts related to the California Nursing Practice Act, and Quality, and Safety Education in Nursing (QSEN) will be incorporated. Total - 6 weeks.

Prerequisite: NURS 60B (completed with a grade of "C" or higher)

Transfer: CSU

(DEACTIVATED COURSE)

61 CLINICAL NUTRITION

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

64 PHARMACOLOGY FOR PROFESSIONAL NURSES 3 UNITS

Introduction to the principles of clinical pharmacology, the administration of drugs as therapeutic agents, impact on the elderly and the interactions of drugs and body tissues. The purpose, action, and expected physiological responses of the therapeutic agents and dosage forms currently used in treating pain, infectious processes and selected acute and chronic disease states in the cardiovascular, endocrine, respiratory, autonomic nervous and central nervous system is explored as well as the integration of the concepts in the nursing process.

Prerequisite: NURS 55 (completed with a grade of "C" or higher) or, NURS 70 (completed with a grade of "C" or higher)

Transfer: CSU

(DEACTIVATED COURSE)

69 GERONTOLOGICAL NURSING

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

70 LVN-RN TRANSITION 1.5 UNITS

Emphasis on nursing topics that prepare the LVN for advanced standing in an Associate Degree RN Nursing Program. The course includes topics such as the nursing process, role change, therapeutic communication, critical thinking skills, review of medical-surgical nursing, pharmacology and medication calculations.

Prerequisite: Valid California LVN license, at least one-year work experience or 500 hours as an LVN with direct patient care contact in a Skilled Nursing Facility or Hospital environment. Attendance at an Advance Standing (Military, LVN-RN) orientation meeting. Completion of an Advance Standing Application for Chabot College., ANAT 1 and, MICR 1 and, PHSI 1 (completed with a grade of "C" or higher) and Minimum of 2.5 GPA in the three science prerequisites. The three basic sciences have a 7 year recency (ANAT, MICR, PHSI).

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

70L CLINICAL SKILLS PRACTICE AND ASSESSMENT LAB 0.5 UNIT

Clinical skills practice lab provides framework for satisfying selected nursing content and skills offered during first year of associate degree nursing curriculum. Designed for LVN students desiring admission to Chabot Nursing Program with Advanced Standing.

Corequisite: NURS 70

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

73 INTRAVENOUS THERAPY 1 UNIT

Safe administration and maintenance of intravenous therapy as a treatment modality. Includes differentiation of commonly used solutions, dosage calculation, vein selection and venipuncture techniques, recognition of and response to complications. Includes laboratory practice. Total - 9 weeks

Prerequisite: Satisfactory completion of all required nursing courses in the first and second semester of the nursing curriculum, NURS 55 or, NURS 70 (completed with a grade of "C" or higher)

Transfer: CSU

(DEACTIVATED COURSE)

75 FLUID AND ELECTROLYTES

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

**77 PHYSICAL ASSESSMENT 0.5 UNIT
(Formerly NURS 88L)**

Methodologies employed in physical assessment in the clinical setting. Focus is on assessment techniques utilized in assessing the status of the neurological, cardiac, peripheral vascular, thoracic, musculoskeletal, integumentary, and abdominal systems. Laboratory and diagnostic tests (such as techniques of respiratory arterial blood gas analyses, pulse oximetry, and basic cardiac dysrhythmia interpretation). Health data base interviewing. Concepts related to the California Nursing Practice Act, as well as principles of safe clinical practice, will be included.

Prerequisite: NURS 55 (completed with a grade of "C" or higher) or, NURS 70 (completed with a grade of "C" or higher)

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

81 MATERNITY NURSING THEORY 2 UNITS

Nursing care of the childbearing family. The focus is on the physiological and psychological needs of families as they are affected by pregnancy, labor and birth, postpartum, and newborn stages. Theory includes integration of assessment skills, women's health, violence against women, nutrition, pain management, ethical issues, and teaching strategies unique to childbearing families. Quality, Safety, Education in Nursing (QSEN) concepts are incorporated. Designed to assist Licensed Vocational Nurses in preparation for the Registered Nurse National examination. Total weeks - 9.

Prerequisite: Valid California LVN license. and , NURS 70

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

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.

Prerequisite: NURS 70 or concurrent enrollment in and, NURS 55 (completed with a grade of "C" or higher)

Transfer: CSU

NUTRITION (NUTR)

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

1 INTRODUCTION TO NUTRITION SCIENCE 3 UNITS

Scientific concepts of nutrition related to the function of nutrients, sources and recommended intakes. Nutritional assessment and the role of nutrition in the maintenance of health.

Strongly Recommended: CHEM 30A (completed with a grade of "C" or higher) and, MTH 53 (completed with a grade of "C" or higher) and, ENGL 1A (completed with a grade of "C" or higher)

Transfer: CSU, UC

PHYSICAL EDUCATION ACTIVITY (PEAC)

(NEW COURSE)

TBB3 ADVANCED TOURNAMENT BASEBALL 0.5 - 2 UNITS

Designed for advanced-to-elite baseball students looking to increase skill levels in various facets of baseball. Individual, group and team aspects of the game will be addressed. Participation in competitive baseball will be required. Success in this class will require an extensive and advanced baseball skill level, background and experience.

Prerequisite: PEAC TBB2 (completed with a grade of "C" or higher)

Transfer: CSU, UC

PARALEGAL STUDIES (PLGL)

(NEW COURSE)

30 INTRODUCTION TO PARALEGAL STUDIES 3 UNITS

This course will introduce students to the responsibilities and duties of a paralegal. It will provide an overview of the paralegal profession, including the paralegal's role in the delivery of legal services.

Strongly Recommended: ADMJ 50 (completed with a grade of "C" or higher)

Transfer: CSU

(NEW COURSE)

31 LEGAL WRITING AND RESEARCH 3 UNITS

This course is designed to familiarize students with the fundamentals of legal research and writing. Students will learn how to locate, analyze and cite to federal and state cases, statutes, constitutions, and secondary sources. Instruction is given on utilizing both print materials and online resources. Students will prepare case briefs that demonstrate legal reasoning, proper punctuation, grammar and clarity of expression.

Strongly Recommended: ADMJ 50 (completed with a grade of "C" or higher)

Transfer: CSU

(NEW COURSE)

32 LITIGATION AND CIVIL PROCEDURE 3 UNITS

This course provides an introduction to the litigation process and the role of the paralegal. It will include the process and procedures related to litigation, including the specific duties of a paralegal in the pretrial and trial process.

Strongly Recommended: ADMJ 50 (completed with a grade of "C" or higher)

Transfer: CSU

(New course)

33 COMPUTER APPLICATION AND E-DISCOVERY FOR PARALEGALS 3 UNITS

This course introduces the use of technology by paralegals in the legal profession. Students will become familiar with hardware and software used in law offices and will explore the latest versions of common programs like Microsoft® Word, Excel®, and PowerPoint®, as well as specialized legal applications. Students will be instructed on the ethical considerations of technology in the legal profession.

Advisory: All students must have basic computer skills including being proficient with email, the Internet and a word processing program.

Transfer: CSU

(NEW COURSE)

34 PROFESSIONAL RESPONSIBILITY AND ETHICS 3 UNITS

This course provides students with a practical understanding of the professional codes of conduct and the general principles of ethical legal conduct governing the practice of law.

Strongly Recommended: ADMJ 50 (completed with a grade of "P" or higher)

Transfer: CSU

(NEW COURSE)

35 ADVANCED LEGAL WRITING AND RESEARCH 3 UNITS

This course is designed to build upon the skills developed in Legal Writing and Research. This course will provide a more in-depth, advanced understanding of legal writing, research, proper citation format, and preparation of legal documents.

Prerequisite: PLGL 31 (completed with a grade of "P" or higher)

Transfer: CSU

(NEW COURSE)

36 CONTRACT LAW 3 UNITS

As part of the Paralegal Program, this course will examine the fundamental elements of contract law, including the principals of formation, agreement, and consideration. Students will also learn contract interpretation, the necessary elements for creating legally enforceable contracts, and breach and remedies.

Strongly Recommended: ADMJ 50 (completed with a grade of "C" or higher)

Transfer: CSU

(NEW COURSE)

37 TORT LAW 3 UNITS

This course focuses on the fundamental concepts of tort law, including intentional torts, negligence, trespass, strict liability, personal injury, mental distress, as well as commonly employed defenses.

Prerequisite: ADMJ 50 (completed with a grade of "P" or higher)

Transfer: CSU

PHOTOGRAPHY (PHOT)

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

53A PHONEOGRAPHY: SMARTPHONE PHOTOGRAPHY 1.5 UNITS

Introduction to computational photography using smartphones. Course will cover fundamentals of composition and image editing utilizing smartphone applications. Survey of photography genres and the role of social media in image making.

Requisites: none

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

66 PHOTO COMPOSITING 3 UNITS

(See also DIGM 6A)

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, and color balance to create enhanced compositions. Students take multiple photographs and composite them into a single image that is an artistically balanced and well rendered composition.

Strongly Recommended: PHOT 50

Transfer: CSU, UC

POLITICAL SCIENCE (POSC)

(NEW COURSE)

15 INTRODUCTION TO PUBLIC POLICY 3 UNITS

Introduction to key themes in American public policy at a national, state, and local level. The roles of institutions and stakeholders are discussed in the context of theories of public policy and public administration. Students are introduced to tools used to evaluate and analyze public issue areas and the public policies created to address them.

Strongly Recommended: POSC 1 or , POSC 12

Transfer: CSU

(NEW COURSE)

35 POLITICS OF RACE AND GENDER 3 UNITS

An overview of the political issues and concerns affecting the status and power of groups that have traditionally been politically and socially disadvantaged in the United States. These groups include, but are not limited to, African-Americans, Asian-Americans, Native Americans, Latinx, LGBT, and Women.

Strongly Recommended: POSC 1 or , ES 1

Transfer: CSU

PSYCHOLOGY (PSY)

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

2 INTRODUCTION TO PSYCHOLOGICAL METHODOLOGY 3 UNITS

This course surveys various psychological research methods with an emphasis on research design, experimental procedures, descriptive methods, instrumentation, and the collection, analysis, interpretation, and reporting of research data. Research design and methodology will be examined through a review of research in a variety of the subdisciplines of psychology.

Prerequisite: PSY 1 (completed with a grade of "C" or higher) and PSY 5 (completed with a grade of "C" or higher) or an equivalent statistics course (completed with a grade of "C" or higher).

Strongly Recommended: ENGL 1A or , ENGL 1

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

4 BRAIN, MIND AND BEHAVIOR 3 UNITS

This course introduces the scientific study of the biological bases of behavior and its fundamental role in the neurosciences. Physiological, hormonal, and neurochemical mechanisms, and brain-behavior relationships underlying the psychological phenomena of sensation, perception, regulatory processes, emotion, learning, memory, neurological, developmental and psychological disorders will be addressed. The course also notes historical scientific contributions and current research principles for studying brain-behavior relationships and mental processes. Ethical standards for human and animal research are discussed in the context of both invasive and non-invasive experimental research. 3 hours.

Prerequisite: PSY 1

Strongly Recommended: ENGL 1A

Transfer: CSU; UC; CSU/GE; IGETC; C-ID: PSY 150

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

5 INTRODUCTORY STATISTICS FOR THE BEHAVIORAL AND SOCIAL SCIENCES 4 UNITS

Statistics as applied to the behavioral and social sciences. Applications using data from disciplines including psychology, social sciences, business, life science, health science, and education. The use of probability techniques, hypothesis testing, and predictive techniques to facilitate decision-making. Topics include: descriptive and inferential statistics; probability and sampling distributions; correlation and linear regression; analysis of variance (ANOVA), chi-square and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings.

Strongly Recommended: ENGL 1A

Prerequisite: MTH 53 (completed with a grade of "C" or higher) or, MTH 53B (completed with a grade of "C" or higher) or, MTH 54 (completed with a grade of "C" or higher) or, MTH 54L (completed with a grade of "C" or higher) or, MTH 55 (completed with a grade of "C" or higher) or, MTH 55B (completed with a grade of "C" or higher) or MTH 55L (completed with a grade of "C" or higher) or an appropriate skill level demonstrated through the Early Assessment Program or an appropriate skill level demonstrated through the Mathematics Assessment process.

Transfer: CSU, UC (UC unit limits may apply)

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

5W INTRODUCTORY STATISTICS FOR THE BEHAVIORAL AND SOCIAL SCIENCES WORKSHOP 0.5 - 1 UNIT

Practice and application of statistics through study group, additional support, collaborative workshop and computer lab time. Support workshop for Introductory Statistics for the Behavioral and Social Sciences PSY 5 course.

Corequisite: PSY 5

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

7 INTRODUCTION TO COUNSELING THEORY AND SKILLS 3 UNITS

Introduction to counseling theory and process with emphasis on fundamental principles of behavior change. Includes essential counseling skills, major counseling theories, and legal and ethical issues.

Strongly Recommended: PSY 1

Transfer: CSU

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

8 HUMAN SEXUALITY 3 UNITS

(See also SOCI 8 and HLTH 8)

This course is an introductory overview of the field of human sexuality. Human sexuality in our contemporary society will be studied from the psychological, biological, sociocultural, and historical perspectives. Emphasis on understanding the interrelationship of attitude and behavior as it relates to sexual well-being and sexual integrity. Students will be encouraged to examine their own attitudes, values, and behaviors in the context of their moral compass and their culture and societal values. Current sex norms and various aspects of interpersonal and individual sexual adjustment will be explored. May not receive credit if HLTH 8 or SOCI 8 has been completed.

Requisites: none

Transfer: CSU, UC (UC unit limits may apply).

PSYCHOLOGY - COUNSELING (PSCN)

(DEACTIVATED DEGREE)

HUMAN SERVICES ASSOCIATE IN ARTS

(DEACTIVATED DEGREE)

LIBERAL STUDIES: ELEMENTARY TEACHER ASSOCIATE IN ARTS

(REVIEWED WITH NONSUBSTANTIAL CHANGE)

HUMAN SERVICES ASSOCIATE IN SCIENCE

REQUIRED COURSES		UNITS
PSCN 1	Introduction to Psychology-Counseling in a Multicultural Environment	3
PSCN 2	Introduction to Case Management for Human Services	3
PSCN 5	Introduction to Social Work and Human Services	3
PSCN 85	Fieldwork: Social Work and Human Services	3
List A (choose 1 course)		
PSCN 11	Interpersonal Relationships	2
PSCN 12	Self-Esteem For Success	2
PSCN 30	Life Transitions	3
List B (choose 1 course)		
PSCN 10	Career and Educational Planning	2
PSCN 20	The College Experience	2
PSCN 15	College Study Skills	2
PSCN 23	Creating Success in College and Life	3
List C (choose 1 course)		
PSCN 3	Drugs, Recovery and Prevention in Modern Society	3
PSCN 4	Multiethnic/Cultural Communication	3
PSY 1	General Psychology	3
SOCI 1	Principles of Sociology	3
Program-Based General Education (one course)		
PSCN 13	Multicultural Issues in Contemporary America	3
AS degree general education courses may be found in the Chabot College Catalog.		
Unit Calculation		
Major Requirements		19 - 21
General Education Requirements		25
Electives (degree applicable units as needed)		
Total Units		60

(NEW PROGRAM)

SOCIAL WORK AND HUMAN SERVICES ASSOCIATE IN ARTS FOR TRANSFER (AA-T)

REQUIRED CORE COURSES		UNITS
PSCN 5	Introduction to Social Work and Human Services	3
SOCI 1	Principles of Sociology	3
PSY 1	General Psychology	3
PSY 5	Introductory Statistics for the Behavioral and Social Sciences	4
or		
MTH 43	Introduction to Probability and Statistics	4
BIOL 10	Introduction to the Science of Biology	4
or		
BIOL 31	Introduction to College Biology	4
ECN 2	Principles of Macroeconomics	3
PSCN 85	Fieldwork: Social Work and Human Services	3

List A (choose 2 courses)

PSCN 3	Drugs, Recovery and Prevention in Modern Society	3
PSCN 4	Multiethnic/Cultural Communication	3
PSCN 13	Multicultural Issues in Contemporary America	3
ECD 56	Child Growth and Development	3
or		
PSY 12	Lifespan Psychology	3
PSY 6	Abnormal Psychology	3
ENGL 7	Critical Thinking and Writing across Disciplines	3
SOCI 2	Social Problems	3
SOCI 3	Introduction to Race and Ethnic Relations	3

Unit Calculation

Total units for the major	29
General Education: CSU GE Breadth or IGETC	37 - 39
Total units that may be double-counted	15 - 21
Electives (CSU Transferable units as needed)	7 - 13

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

Total Units **60**

COURSES

(NEW COURSE)

3 DRUGS, RECOVERY AND PREVENTION IN MODERN SOCIETY 3 UNITS

Introductory course in the epidemiology and toxicology of substance abuse and addiction and their effects on individuals and society at large. Basic terminology used in alcohol, psychoactive drugs and other related addiction terms will be covered. Definitions and side effects of licit and illicit drugs, pharmacologic, neurologic and physiologic effects of addictive substances will be examined. Analyze theories of socioeconomic and political ramifications of the drug industry. Investigate current models of prevention, treatment planning, recovery, local resources and client monitoring.

Strongly Recommended: Eligibility for ENGL 1A
Transfer: CSU

REAL ESTATE (REST)

(NEW PROGRAM)

REAL ESTATE ASSOCIATE IN ARTS

CORE COURSES	UNITS
BUS 1A Financial Accounting or	4
BUS 7 Accounting for Small Business	3
BUS 10 Business Law	4
REST 80 Real Estate Principles	3
REST 81A Legal Aspects of Real Estate	3
REST 82A Real Estate Appraisal	3
REST 83 Real Estate Finance	3
REST 84 Real Estate Practice	3
REST 88 Real Estate Property Management	3

Department G.E. Requirement

CAS 50 Introduction to Computer Application Systems	3
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General Education Courses

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

Unit Calculations

Major Requirements	25 - 26
General Education Requirements	25

Total Units **60**

(REVIEWED WITH NONSUBSTANTIAL CHANGE)

REAL ESTATE AGENT CERTIFICATE OF PROFICIENCY

CORE COURSES	UNITS
REST 80 Real Estate Principles	3
REST 84 Real Estate Practice	3

Electives: Choose one of the following

REST 81A Legal Aspects of Real Estate	3
REST 82A Real Estate Appraisal	3
REST 83 Real Estate Finance	3
REST 88 Real Estate Property Management	3

Total Units **9**

(REVIEWED WITH NONSUBSTANTIAL CHANGE)

REAL ESTATE BROKER CERTIFICATE OF ACHIEVEMENT

CORE COURSES	UNITS
BUS 1A Financial Accounting or	4
BUS 7 Accounting for Small Business	3
BUS 10 Business Law	4
REST 80 Real Estate Principles	3
REST 81A Legal Aspects of Real Estate	3
REST 82A Real Estate Appraisal	3
REST 83 Real Estate Finance	3
REST 84 Real Estate Practice	3
REST 88 Real Estate Property Management	3
Total Units	25 - 26

COURSES

(DEACTIVATED COURSES - EFFECTIVE FALL 2019)

81B ADVANCED LEGAL ASPECTS OF REAL ESTATE

82B ADVANCED REAL ESTATE APPRAISAL

85 REAL ESTATE ECONOMICS

86 ESCROWS

87 REAL ESTATE TAXATION AND EXCHANGES

89 REAL ESTATE OFFICE ADMINISTRATION

SOCIOLOGY (SOCI)

(REVIEWED WITH NONSUBSTANTIAL CHANGE)

SOCIAL SCIENCE ASSOCIATE IN ARTS

FRESHMAN YEAR		UNITS
ANTH 3	Social and Cultural Anthropology or	3
GEO 2	Cultural Geography	3
ECN 1	Principles of Microeconomics or	3
ECN 10	General Economics	3
PSY 1	General Psychology or	3
SOCI 1	Principles of Sociology	3

SOPHOMORE YEAR		UNITS
HIS 2	History of Western Civilization Since 1600 or	3
HIS 12	History of California	3
POSC 20	Comparative Politics or	3
POSC 30	International Relations	3
SOCI 2	Social Problems or	3
HIS 27	U.S. Women's History Post-Reconstruction	3

General Education Courses

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

Unit Calculation

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

Total Units **60**

COURSES

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

8 HUMAN SEXUALITY 3 UNITS

(See also HLTH 8 and PSY 8)

This course is an introductory overview of the field of human sexuality. Human sexuality in our contemporary society will be studied from the psychological, biological, sociocultural, and historical perspectives. Emphasis on understanding the interrelationship of attitude and behavior as it relates to sexual well-being and sexual integrity. Students will be encouraged to examine their own attitudes, values, and behaviors in the context of their moral compass and their culture and societal values. Current sex norms and various aspects of interpersonal and individual sexual adjustment will be explored. May not receive credit if HLTH 8 or PSY 8 has been completed.

Requisites: none

Transfer: CSU, UC (UC unit limits may apply).

SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (STEM)

(REVIEWED COURSE WITH NONSUBSTANTIAL CHANGE)

1 INTRODUCTION TO SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS 2 UNITS

This course explores the interdependence of scientific fields through project based activities, including an introduction to basic scientific concepts taken from biology, chemistry, computer science, engineering, mathematics, and physics. Emphasis on the role of science as a human endeavor and the power of scientific inquiry, as well as educational pathways and careers in STEM fields.

Strongly Recommended: MTH 53

Transfer: CSU

SPANISH (SPA)

(REVIEWED WITH NONSUBSTANTIAL CHANGE)

SPANISH ASSOCIATE IN ARTS

REQUIRED COURSES:	UNITS
SPA 1A Beginning Spanish or	5
SPA 1A1 Beginning Spanish 1 and	3
SPA 1A2 Beginning Spanish 2	3
SPA 1B Elementary Spanish 1 or	5
SPA 1B1 Elementary Spanish 1 and	3
SPA 1B2 Elementary Spanish 2	3
SPA 2A Intermediate Spanish	4
SPA 2B Advanced Spanish	4
SERV 5A Service Learning for World Languages: Beginning	2

Options (A minimum of 18 units is required in major courses. Allowable course substitutions in place of lower level language courses are below):

ENGL 22	Mexican American/Latino Literature of the U.S.	3
SOCI 3	Introduction to Race and Ethnic Relations	3
PSCN 13	Multicultural Issues in Contemporary America	3
ES 1	Introduction to Ethnic Studies	3
ES 4	Intro to Latinx Studies	
ES 52	Mexican American History from Mesoamerica to The Mexican Revolution	3
	or	
HIS 22	Mexican American History and Culture	3
	or	
HIS 53	Mexican American History from The Mexican Revolution to the Present	3
ES 53	Mexican American History from The Mexican Revolution to the Present	3
SERV 5B	Service Learning for World Languages: Intermediate	2
SERV 5C	Service Learning for World Languages: Advanced Intermediate	2
SERV 5D	Service Learning for World Languages: Advanced	2

Unit Calculations

Major Requirements	18 - 22
General Education	25
Electives (Degree applicable units as needed)	

Total Units **60**

(NEW PROGRAM)

SPANISH

CERTIFICATE OF ACHIEVEMENT

REQUIRED COURSES	UNITS
SPA 1A Beginning Spanish	5
or	
SPA 1A1 Beginning Spanish 1 and	3
SPA 1A2 Beginning Spanish 2	3
SPA 1B Elementary Spanish 1	5
or	
SPA 1B1 Elementary Spanish 1 and	3
SPA 1B2 Elementary Spanish 2	3
SPA 2A Intermediate Spanish	4
SPA 2B Advanced Spanish	4

Advanced students starting Spanish language courses at the 1B or 2A level, must complete a minimum of 16 units to earn the certificate. Advanced students may use courses from the options list to meet the total units required.

A minimum of 16 units is required in major courses. Allowable course substitutions in place of lower level language courses are below:

ENGL 22	Mexican American/Latino Literature of the U.S.	3
SOCI 3	Introduction to Race and Ethnic Relations	3
PSCN 13	Multicultural Issues in Contemporary America	3
HIS 22	Mexican American History and Culture	3
SERV 5A	Service Learning for World Languages: Beginning	2
SERV 5B	Service Learning for World Languages: Intermediate	2
SERV 5C	Service Learning for World Languages: Advanced Intermediate	2
SERV 5D	Service Learning for World Languages: Advanced	2

Total Units **18 - 20**

THEATER ARTS (THTR)

(REVIEWED WITH NONSUBSTANTIAL CHANGE)

**THEATER ARTS
ASSOCIATE IN ARTS**

YEAR ONE	UNITS
THTR 1 Introduction to Acting	3
THTR 10 Introduction to Theater Arts	3
THTR 21 Introduction to Design for the Theater	3
or	
THTR 22 Introduction to Design for the Theater: Emphasis in Costume and Makeup	3
THTR 30A Introduction to Emerging Work	3

YEAR TWO	UNITS
THTR 48A College Theater Technical: Introduction	3

Select any six units from the following options:

THTR 2 Intermediate Acting	
THTR 3 Improvisation for the Theater	3
THTR 4 Acting on Camera	3
THTR 6 Movement for the Actor	3
THTR 7 Voice for the Actor	3
THTR 8 Audition Technique	3
THTR 11 Stage to Film	3
THTR 12 Film as Art & Communication	4
THTR 47A Introduction to College Theater Acting	3
THTR 5A Introduction to Theater for Young Audiences	3
THTR 16A Introduction to Dramatic Writing	3
THTR 15A Introduction to Directing for Theater	3

General Education Courses

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

Total Units **21 - 22**

WOMEN'S STUDIES (WMST)

(REVIEWED WITH NONSUBSTANTIAL CHANGE)

WOMEN'S STUDIES CERTIFICATE OF ACHIEVEMENT

REQUIRED COURSE:	UNITS
SERV 85A Learning in Action: Beginning	2 - 3
CHOOSE FIVE COURSES FROM THE LIST BELOW:	
COMM 12 Gender, Sexual Identity, and Communication	3
ENGL 31 Introduction to Gay and Lesbian Literature	3
ENGL 32 U.S. Women's Literature	3
ES 7 Women of Color in the United States	3
or	
SOCI 7 Women of Color in the United States	3
HLTH 4 Women and Health	3
HIS 49 U.S. Women's History Post-Reconstruction	3
HIS 48 U. S. Women's History Through Reconstruction	3
HIS 49 U.S. Women's History Post-Reconstruction	3
GNST 31 Women's Spirituality: An Examination of Ancient and Emerging Traditions	3
POSC 35 Politics of Race and Gender	3
SOCI 6 Introduction to Gender	3
Total Units	17 - 18



COLLEGE CREDIT FOR ADVANCED PLACEMENT (AP) EXAMINATIONS

Credit may be earned for the College Entrance Examination Board (CEEB) Advanced Placement (AP) Exams with scores of 3, 4, or 5 as listed below. **Course credit and units granted at Chabot College may differ from course credit and units granted by a transfer institution.**

For the most up-to-date information on transfer credit for AP exams, contact your transfer school or counselor.

AP EXAM	Chabot College Degrees & Certificates	Chabot College AA/ AS: GE Area & Units	CSU GE	CSU Transfer Units	IGETC	Maximum UC Transfer Units
Art History	Art History 4 or 5	Area C 3 semester units	Area C1 or C2 3 semester units	6 semester units	Area 3A or 3B 3 semester units	8 quarters/ 5.3 semester units
Art (Studio) 2-D Design, 3-D Design, Drawing	N/A	Area C, portfolio review required 3 semester units	N/A	3 semester units each	N/A	8 quarters/ 5.3 semester units (Maximum units for all Studio Art Exams)
Biology	Biology 31	Area B 4 semester units	Area B2 and B3 4 semester units	6 semester units	Area 5B & 5C 4 semester units	8 quarters/ 5.3 semester units
Calculus AB/AB Subscore	Math1	Area A3 on AA/A2 on AS & Math Proficiency 5 semester units	Area B4 3 semester units	3 semester units*	Area 2A 3 semester units	4 quarters/ 2.7 semester units max between AB and AB/ subscore**
Calculus BC	Math 2	Area A3 on AA/A2 on AS & Math Proficiency 5 semester units	Area B4 3 semester units	6 semester units*	Area 2A 3 semester units	8 quarters/ 5.3 semester units**
AP CALCULUS EXAM LIMITATIONS:						
Chemistry	Chemistry1A	Area B 5 semester units	Areas B1 and B3 4 semester units	6 semester units	Area 5A & 5C 4 semester units	8 quarters/ 5.3 semester units
Chinese Language & Culture	N/A	Area A3 on AA/A2 on AS or Area C 5 semester units	Area C2 3 semester units	6 semester units	Area 3B and 6A 3 semester units	8 quarters/ 5.3 semester units
Computer Science A	Computer Science 14	Area A3 on AA/A2 on AS 4 semester units	N/A	3 semester units**	N/A	2 quarters/ 1.3 semester units***
Computer Science AB	Computer Science 14 & 19A	Area A3 on AA/A2 on AS 8 semester units	N/A	6 semester units**	N/A	4 quarters/ 2.7 semester units***
Computer Science Principles	Computer Science N/A -- see CS faculty	Area A3 on AA/A2 on AS 3 semester units	N/A	6 semester units**	N/A	8 quarters/ 5.3 semester
AP CS EXAM LIMITATIONS (CS exam limits apply to CS A and CS AB exams only):						
Economics- Macroeconomics	Economics 2	Area D 3 semester units	Area D 3 semester units	3 semester units	Area 4 3 semester units	4 quarters/ 2.7 semester units
Economics- Microeconomics	Economics 1	Area D 3 semester units	Area D 3 semester units	3 semester units	Area 4 3 semester units	4 quarters/ 2.7 semester units
English - Language & Composition	English 1A	Area A1 or Area C 3 semester units	Area A2 3 semester units	6 semester units	Area 1A 3 semester units	8 quarters/ 5.3 semester units*
English - Literature & Composition	English 1A	Area A1 or Area C 3 semester units	Area A2 and C2 6 semester units	6 semester units	Area 1A or 3B 3 semester units	8 quarters units/ 5.3 semester units*



ADVANCED PLACEMENT PROGRAM

COLLEGE CREDIT FOR ADVANCED PLACEMENT (AP) TESTS

AP EXAM	Chabot College Degrees & Certificates	Chabot College AA/AS: GE Area & Units	CSU GE	CSU Transfer Units	IGETC	Maximum UC Transfer Units
AP ENGLISH EXAM LIMITATIONS: * 8 QUARTER/5.3 SEMESTER UNITS MAXIMUM FOR BOTH						
Environmental Science		Area B 4 semester units	Area B2 and B3 (if taken prior to Fall 2009) or Area B1 and B3 (regardless of when taken). 4 semester units	4 semester units	Area 5A & 5C 3 semester units	4 quarters/ 2.7 semester units
French Language and Culture	French 1B	Area A3 on AA/A2 on AS or Area C - 5 semester units	Area C2 3 semester units	6 semester units	Area 3B and 6A 3 semester units	8 quarters/ 5.3 semester units
French Literature		Area C 5 semester units	Area C2 3 semester units	6 semester units	Area 3B and 6A 3 semester units	8 quarters/ 5.3 semester units
German Language and Culture	German 1B	Area A3 on AA/A2 on AS or Area C - 5 semester units	Area C2 3 semester units	6 semester units	Area 3B and 6A 3 semester units	8 quarters/ 5.3 semester units
Government & Politics-Comparative	Political Science 20	Area D 3 semester units	Area D 3 semester units	3 semester units	Area 4 3 semester units	4 quarters/ 2.7 semester units
Government and Politics-U.S.	Political Science 1	Area D or American Institutions 3 semester units	Area D and US-2 3 semester units	3 semester units	Area 4 and US 2 3 semester units	4 quarters/ 2.7 semester units
History-European	History 1 or 2	Area C or D 3 semester units	Area C2 or D 3 semester units	6 semester units	Area 3B or 4 3 semester units	8 quarters/ 5.3 semester units
History-U.S.	History 7 or 8	Area C or D or American Institutions 3 semester units	Area C2 or D and US-1 3 semester units	6 semester units	Areas 3B or 4 and US 1 3 semester units	8 quarters/ 5.3 semester units
History-World		Area C or D 3 semester units	Area C2 or D 3 semester units	6 semester units	Area 3B or 4 3 semester units	8 quarters/ 5.3 semester units
Human Geography		Area D 3 semester units	Area D 3 semester units	3 semester units	Area 4 3 semester units	4 quarters/ 2.7 semester units
Italian Language & Culture		Area A3 on AA/A2 on AS or Area C 5 semester units	Area C2 3 semester units	6 semester units	Area 3B and 6A 3 semester units	8 quarters/ 5.3 semester units
Japanese Language & Culture		Area A3 on AA/A2 on AS or Area C 5 semester units	Area C2 3 semester units	6 semester units	Area 3B and 6A 3 semester units	8 quarters/ 5.3 semester units
Latin		Area C 3 semester units	Area C2 3 semester units	6 semester units	Area 3B and 6A 3 semester units	4 quarters/ 2.7 semester units



COLLEGE CREDIT FOR ADVANCED PLACEMENT (AP) TESTS

AP Exam	Chabot College Degrees & Certificates	Chabot College AA/AS: GE Area & Units	CSU GE	CSU Transfer Units	IGETC	Maximum UC Transfer Units
Music	Music 2A & 2B	Area C 3 semester units	Area C1 (if taken prior to Fall 2009) 3 semester units	6 semester units	N/A	8 quarters 5.3 semester units No units granted for subscore
Physics 1	none	Area B 4 semester units	Areas B1 and B3 4 semester units*	4 semester units*	Areas 5A & 5C 4 semester units	8 quarters/ 5.3 semester units units**
Physics 2	none	Area B 4 semester units	Areas B1 and B3 4 semester units*	4 semester units*	Areas 5A & 5C 4 semester units	8 quarters/ 5.3 semester units
Physics B	Physics 4A	Area B 5 semester units	B1 and B3 4 semester units*	4 semester units*	Areas 5A & 5C 4 semester units	8 quarters/ 5.3 semester units**
Physics C-Mechanics	Physics 4A	Area B 5 semester units	Area B1 and B3 4 semester units*	4 semester units*	Areas 5A & 5C 3 semester units	4 quarters/ 2.7 semester units**
Physics C-Electricity/ Magnetism	Physics 4B	Area B 5 semester units	Area B1 and B3 4 semester units*	4 semester units*	Areas 5A & 5C 3 semester units	4 quarters/ 2.7 semester units**
AP PHYSICS EXAM LIMITATIONS:						
Psychology	Psychology 1	Area D 3 semester units	Area D 3 semester units	3 semester units	Area 4 3 semester units	4 quarters/ 2.7 semester units
Spanish Language	Spanish 1B	Area A3 on AA/A2 on AS or Area C 5 semester units	Area C2 3 semester units	6 semester units	Areas 3B and 6A 3 semester units	8 quarters/ 5.3 semester units
Spanish Language/ Culture		Area C 5 semester units	Area C2 3 semester units	6 semester units	Areas 3B and 6A 3 semester units	8 quarters/ 5.3 semester units
Statistics	Math 43	Area A3 for AA/A2 for AA & Math Proficiency 4 semester units	Area B4 3 semester units	3 semester units	Area 2 3 semester units	4 quarters/ 2.7 semester units
			*Maximum 4 semester units toward GE and 6 semester units toward transfer			
			**Maximum 8 quarters/ 5.3 semester units for all Physics exams			



INTERNATIONAL BACCALAUREATE (IB) EXAM CREDIT

International Baccalaureate (IB) exams may be applied toward the California State University (CSU), CSU General Education (CSU GE) pattern, University of California (UC), and the Intersegmental General Education Transfer Curriculum (IGETC). Credit is awarded for Higher Level (HL) exams only. All units listed in the chart below are semester units.

Students should be aware that colleges courses, AP exams, IB exams, and A-Level exams may duplicate one another. In the event that exams and/or college course duplicate one another in content, course credit will only be awarded once. Students should contact individual campuses for more information on how subject credit may be granted for their major. All transfer information listed below updated yearly and is subject to change.

IB exams will not be used to satisfy unit, general education, or course requirements for Chabot College associate degrees or certificates.

International Baccalaureate (IB) Exam	CSU GE Area + IB Score	Maximum CSU Transfer Units Awarded	CSU GE Units Awarded	IGETC Area (Score of 5, 6, or 7)	IGETC Units Awarded	Maximum UC Transfer Units (Score of 5, 6, or 7)
Biology HL	B2 Score = 5	6	3	5B (without lab)	3	5.3
IB Chemistry HL	B1 Score = 5	6	3	5A (without lab)	3	5.3
IB Economics HL	D Score =5	6	3	4	3	5.3
IB Geography HL	D	6	3	4	3	5.3
IB History (any region) HL	C2 or D Score=5	6	3	3B or 4	3	5.3
IB Language A1 HL* (prior to FA 2013)	C2 Score=4 (any language)	6	3	3B (any language) 3B and 6A (any language except English)	3	5.3
IB Language A2 HL* (prior to FA 2013)	C2 Score=4 (any language)	6	3	3B (any language) 3B and 6A (any language except English)	3	5.3
IB Language A: Language and Literature HL	C2 Score+4	6	3	3B (any language except English)	3	5.3
IB Language B (any language) IB HL*	N/A Score=4	6	0	6A	3	5.3
IB Mathematics HL	B4 Score=4	6	3	2A	3	5.3
IB Physics HL	B1 Score=5	6	3	5A (without lab)	3	5.3
IB Psychology HL	D Score=5	6	3	4A	3	5.3
IB Theatre HL	C1 Score=4	6	3	3A	3	5.3

*The IB Curriculum offers language at various levels for native and non-native speakers. Language B courses are offered at the intermediate level for non-natives. Language A1 and A2 are advanced courses in literature for native and non-native speakers, respectively.



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