

PSLO Presentation

Las Positas

Date: 01/02/2018

AH
Art
<p>Art: Painting - AA</p> <ul style="list-style-type: none"> • Upon completion of the AA in Art: Painting, the student should be able to apply creative thinking through the production of original artworks. • Upon completion of the AA in Art: Painting, the student should be able to apply the principles of visual design for the communication and expression of ideas. • Upon completion of the AA in Art: Painting, the student should be able to create works of art that synthesize quality technical execution with content and concept. • Upon completion of the AA in Art: Painting, the student should be able to demonstrate technical proficiency in use of art media, tools, processes and technology. <p>Studio Arts – AA-T</p> <ul style="list-style-type: none"> • Upon completion of the A.A.T. degree in studio arts, students will be able to apply the basic principles of observational drawing and how to develop illusionary spatial constructions. • Upon completion of the A.A.T. degree in studio arts, students will be able to: Apply the principles and concepts of design. • Upon completion of the A.A.T. degree in studio arts, students will be able to: Demonstrate critical thinking as it applies to critique, evaluation and/or production of works of art. • Upon completion of the A.A.T. degree in studio arts, students will be able to: Demonstrate knowledge of the science of color perception and how it can be utilized in the creation of works of art.
Communication Studies
<p>Communication Studies AA-T</p> <ul style="list-style-type: none"> • Upon successful completion of the Communication Studies AA-T, the student will be able to apply ethical communication principles and practices. • Upon successful completion of the Communication Studies AA-T, the student will be able to create and deliver messages appropriate to the audience, purpose, and context. • Upon successful completion of the Communication Studies AA-T, the student will be able to critically analyze messages. • Upon successful completion of the Communication Studies AA-T, the student will be able to describe the Communication discipline and its central questions. • Upon successful completion of the Communication Studies AA-T, the student will be able to employ communication theories, perspectives, principles, and concepts. • Upon successful completion of the Communication Studies AA-T, the student will be able to engage in communication inquiry. • Upon successful completion of the Communication Studies AA-T, the student will be able to utilize communication to embrace difference.
English
<p>English - AA</p> <ul style="list-style-type: none"> • Upon completion of the English AA degree, the student will be able to analyze an author's use of literary techniques to develop a theme. • Upon completion of the English AA degree, the student will be able to identify and evaluate implied arguments in college-level literary texts. • Upon completion of the English AA degree, the student will be able to recognize, appreciate, and compare the similarities and differences between authors, characters and self that stem from historical era and cultural tradition. • Upon completion of the English AA degree, the student will be able to use grammar, vocabulary and style appropriate for academic essays. • Upon completion of the English AA degree, the student will be able to write a research paper using credible sources and correct documentation. • Upon completion of the English AA degree, the student will be able to write an academic essay synthesizing multiple texts and using logic to support a thesis. <p>English - AA-T</p> <ul style="list-style-type: none"> • Upon completion of the English AA-T degree, the student will be able to analyze an author's use of literary techniques to develop a theme. • Upon completion of the English AA-T degree, the student will be able to identify and evaluate implied arguments in college-level literary texts.

- Upon completion of the English AA-T degree, the student will be able to recognize, appreciate, and compare the similarities and differences between authors, characters and self that stem from historical era and cultural tradition.
- Upon completion of the English AA-T degree, the student will be able to use grammar, vocabulary, and style appropriate for academic essays.
- Upon completion of the English AA-T degree, the student will be able to write a research paper using credible sources and correct documentation.
- Upon completion of the English AA-T degree, the student will be able to write an academic essay synthesizing multiple texts and using logic to support a thesis.

Humanities

Humanities - AA

- Students will be able to express informed aesthetic responses to works of art.
- Students will be able to interpret and apply theoretical methods used in the humanities.

Interior Design

Interior Design - AS

- Upon completion of INTD AS-transfer program, students will be able to demonstrate the skills and knowledge learned through coursework to meet CSU transfer requirements.

Interior Design - Certificate of Achievement

- The student will be prepared to work in a professional design company with both business and design education.

International Studies

International Studies-AA

- Students will critically apply ethical standards to identify problems and create solutions.

Liberal Arts and Sciences

Liberal Arts and Sciences: Computer Studies- AA

- Upon completion of the AA in Liberal Arts and Sciences: Computer Studies, the student will be able to demonstrate a strong foundation of knowledge in computer hardware, software, networking, and programming.

Liberal Arts and Sciences: Humanities- AA

- Upon completion of the AA in Liberal Arts & Sciences: Arts and Humanities, the student will be able to apply art theory to specific works of art.
- Upon completion of the AA in Liberal Arts & Sciences: Arts and Humanities, the student will be able to critically analyze important texts and ideas within the global intellectual tradition.

Liberal Arts and Sciences: Language Arts- AA

- Upon completion of the AA in Liberal Arts & Sciences: Language Arts and Communication, students will be able to apply critical thinking principles to the evaluation of human symbolic interaction.
- Upon completion of the AA in Liberal Arts & Sciences: Language Arts and Communication, students will be able to choose and apply appropriate communication strategies based on consideration of audience and purpose.
- Upon completion of the AA in Liberal Arts & Sciences: Language Arts and Communication, students will be able to recognize and appreciate the value of a multicultural world and of diversity in its many forms.

Liberal Arts and Sciences: Mathematics and Science- AA

- Upon completion of the AA in Liberal Arts & Sciences: Mathematics & Science, students will be able to apply mathematical and scientific ideas to analyze real-world situations.
- Upon completion of the AA in Liberal Arts & Sciences: Mathematics & Science, the student will read, write, listen to, and speak about mathematical and scientific ideas with understanding.
- Upon completion of the AA in Liberal Arts & Sciences: Mathematics & Science, the student will use appropriate technology and/or tools to enhance their scientific thinking and understanding.
- Upon completion of the AA in Liberal Arts & Sciences: Mathematics & Science, the student will use scientific reasoning to solve problems or conduct research, and assess the reasonableness of their results.

Liberal Arts and Sciences: Social Science- AA

- Upon completion of the AA in Liberal Arts and Sciences: Social Science, the student should be able to apply basic social scientific methods to investigate the relationships among individuals, cultures, and societies.
- Upon completion of the AA in Liberal Arts and Sciences: Social Science, the student should be able to describe the major concepts, theoretical perspectives, empirical findings, and historical trends in the social science disciplines.
- Upon completion of the AA in Liberal Arts and Sciences: Social Science, the student should be able to identify the major ideas, values, beliefs, and experiences that have shaped human history and cultures.

<p>Mass Communications</p> <p>Journalism - AA-T</p> <ul style="list-style-type: none"> • The program will help students to develop a broad understanding of the principles, roles, techniques, and effects of media in society. • The program will help students to gain experience in production of the student media. • The program will students prepare for careers in media and related fields. <p>Mass Communications - AA</p> <ul style="list-style-type: none"> • Students will demonstrate an understanding of different aspects of the role of media in society through research and writing. • Students will participate in the creation of student media, following a timeline for production, editing and formatting content, and publishing and distributing. <p>Mass Communications: Journalism - Certificate of Achievement</p> <ul style="list-style-type: none"> • Students will demonstrate an understanding of different aspects of the role of media in society through research and writing. • Students will participate in the creation of student media, following a timeline for production, editing and formatting content, and publishing and distributing. • Students will participate in the creation of student media, following a timeline for production, editing and formatting content, and publishing and distributing. <p>Radio Communications - Career Certificate</p> <ul style="list-style-type: none"> • The student will create a marketing plan for all potential advertising clients as a web presence and use metrics such as adsense and metatags to show high web traffic for buyers. • The student will use an all-digital environment, using multi-platform sources to be able to deliver media in a high definition, streaming, mobile media in all broadcasting mediums.
<p>Music</p> <p>Music - AA</p> <ul style="list-style-type: none"> • Upon completion of the AA in Music, students will be able to adhere to recognized standards of professionalism in a rehearsal setting. • Upon completion of the AA in Music, students will be able to apply theoretical and analytical tools to musical compositions and performance practices. • Upon completion of the AA in Music, students will be able to play or sing on pitch in a section and ensemble as directed by a conductor. • Upon completion of the AA in Music, students will develop a general overview of music history and stylistic developments to inform performance and analysis. <p>Music Technology- Career Certificate</p> <ul style="list-style-type: none"> • Upon completion of the certificate in Music Technology, students will be able to engineer, mix, and notate music using industry- standard software and equipment. <p>Music- AA-T</p> <ul style="list-style-type: none"> • Upon completion of the AA-T in Music, students will be able to adhere to recognized standards of professionalism in a rehearsal setting. • Upon completion of the AA-T in Music, students will be able to analyze, rehearse, and perform music in a variety of genres at a high level. • Upon completion of the AA-T in Music, students will be able to play or sing on pitch in a section and ensemble as directed by a conductor. • Upon completion of the AA-T in Music, students will utilize their knowledge of music theory and music history to analyze, interpret, and gain appreciation for musical works across a variety of genres. <p>Teaching Beginning Piano - Certificate of Achievement</p> <ul style="list-style-type: none"> • Students who successfully complete the Certificate of Achievement in Teaching Beginning Piano should be able to present new pieces to their students by explaining the form, compositional technique, style and mood of the piece, as well as the intent of the composer. <p>Teaching Intermediate Piano - Certificate of Achievement</p> <ul style="list-style-type: none"> • Students who successfully complete the Certificate of Achievement in Teaching Intermediate Piano should be able to present new pieces to their students by explaining the form, compositional technique, style and mood of the piece, as well as the intent of the composer. • Upon completion of the certificate in Teaching Intermediate Piano, students will be able to choose appropriate methods and repertoire for the intermediate student.
<p>Philosophy</p> <p>Philosophy - AA-T</p> <ul style="list-style-type: none"> • Upon successful completion of this program, students will be able to communicate ideas in a way that shows respect for others. • Upon successful completion of this program, students will be able to develop and present formal philosophical arguments using effective logical argumentative technique and avoiding logical error and fallacies.

- Upon successful completion of this program, students will be able to respond to philosophical writing and ideas of historical and contemporary philosophers by describing philosophical arguments, evaluating those arguments, and applying them with accuracy and creativity to contemporary conditions.

Photography

Photography - Career Certificate

- Students will be able to appropriately visualize and produce entry level professional, commercial, and fine art photographs that represent fully developed concepts of form, medium and content.
- The student should also be able to critique and discuss film and digital photographic images that represent fully developed concepts of form, medium and content.
- The student will be able to appropriately visualize and accurately construct lighting designs utilizing artificial studio lighting and natural, available light in film and digital photographs.

Theater Arts

Theater Arts - AA

- Students will be able to critically analyze the artistic elements in productions, looking at design, acting, directorial choices, as well as personal performance processes.
- Upon completion of the A.A or AA-T in Theater the student should be able to possess the skills necessary for textual interpretation for academic discourse, design, and/or performance studies.
- Upon completion of the A.A or AA-T in Theater the student should be able to apply the learned techniques of acting or technical theater in a public performance of various genres of theater, or other types of personal creative work.
- Upon completion of the A.A or AA-T in Theater the student should be able to understand how to develop and maintain a positive contribution the field of theater in academics, performance, or technical theater.
- Upon completion of the A.A or AA-T in Theater the student should be able to understand the historical and cultural significance of theater through completion of projects in the technical theater courses and theater history class.

Theater Arts - AA-T

- Analyze the artistic elements in productions, looking at design, acting, and directorial choice.
- Apply the learned techniques of acting or technical theater in a public performance of various genres of theater, or other types of personal creative work.
- Possess the skills necessary for textual interpretation for academic discourse, design, and/or performance studies.
- Understand how to develop and maintain a positive contribution the field of theater in academics, performance, or technical theater.
- Understand the historical and cultural significance of theater through completion of projects in the technical theater courses and theater history class.

Visual Communications

Visual Communications - AA

- Upon completion of the Associate of Arts in Visual Communications, students will be able to apply principles of design to effectively conceptualize, create and deliver design solutions for the intended audience.
- Upon completion of the Associate of Arts in Visual Communications, students will be able to critically evaluate quality and effectiveness of design projects, present one's work effectively, and incorporate critique and feedback into design iterations.
- Upon completion of the Associate of Arts in Visual Communications, students will be able to describe the history and application of design and how color, type, and other design elements are used as effective communications tools.
- Upon completion of the Associate of Arts in Visual Communications, students will be able to use industry-standard software with technical proficiency and create documents to required specifications for delivery to clients.

Visual Communications - Certificate of Achievement

- Upon completion of the Certificate of Achievement in Visual Communications, students will be able apply principles of design to effectively conceptualize, create and deliver design solutions for the intended audience.
- Upon completion of the Certificate of Achievement in Visual Communications, students will be able to critically evaluate quality and effectiveness of design projects, present one's work effectively, and incorporate critique and feedback into design iterations.
- Upon completion of the Certificate of Achievement in Visual Communications, students will be able to describe the history and application of design and how color, type, and other design elements are used as effective communications tools.
- Upon completion of the Certificate of Achievement in Visual Communications, students will be able to use industry-standard software with technical proficiency and create documents to required specifications for delivery to clients.

BHAWK

Business

Accounting Technician - Certificate of Achievement

- Upon completion of this certificate, students will be able to perform variety of functions in an accounting department including: maintain and update financial records, prepare and analyze financial statements, review bookkeepers' and clerks' work for accuracy and completeness, prepare individual income tax returns containing schedule A, B, C, D and E, maintain cost records and prepare and analyze budgets.

Administrative Assistant - AA

- Complete business-related documents using the various functions—basic, intermediate, and advanced—of the software programs: Word, Excel, PowerPoint.

Administrative Assistant - Certificate of Achievement

- Demonstrate the ability to successfully use basic English language skills (grammar, punctuation, capitalization, etc.) in business documents.

Bookkeeping - Career Certificate

- Upon completion of this certificate, students will be able to perform a variety of functions in an accounting department, including; using accounting software to analyze and record financial transactions, analyze payroll transactions, prepare trial balance, file payroll tax returns, prepare and analyze invoices, calculate interest rates, shipping terms and prepare financial statement.

Business - AS

- Compare and contrast ethical standards and best practices of social responsibility to business situations.
- Demonstrate knowledge of business operations, the business organization, business environments, and business procedures.
- Explain the functions of all business operations and identify the resources needed in each area.

Business Administration - AA

- Compare and contrast ethical standards and best practices of social responsibility to business situations.
- Demonstrate knowledge of business operations, the business organization, business environments, and business procedures.
- Explain the functions of all business operations and identify the resources needed in each area.
- List and explain the factors of production, the external business environments and apply their influence in specific business problems.

Business Administration - AS-T

- Compare and contrast ethical standards and best practices of social responsibility to business situations.
- Demonstrate knowledge of business operations, the business organization, business environments, and business procedures.
- Explain the functions of all business operations and identify the resources needed in each area.
- List and explain the factors of production, the external business environments and apply their influence in specific business problems.

Business Entrepreneurship - AA

- Construct a business plan, essential marketing plan, and the basic financial documents needed for a small business.
- Define "Competitive Advantage" and discuss actions a small business should use to achieve it.
- Demonstrate knowledge of business operations, the business organization, business environments, and business procedures.
- Describe the nature and characteristics of successful small businesses.

Business Entrepreneurship - Certificate of Achievement

- Compare and contrast the impact of the external business environments on small businesses.
- Construct a business plan, essential marketing plan, and basic financial documents for a small business.
- Define and provide concrete examples of the "Competitive Advantage" concept that a small business must achieve in order to succeed.
- Describe the nature and characteristics of successful small business persons.
- Detail key business procedures relevant to a specific problem using appropriate technology.
- Summarize the responsibilities of small business owners in selecting, motivating, training, and supervising employees.

Business Workforce Proficiency - Career Certificate

- Apply standard business English to oral and written communications, including grammar, punctuation, mechanics, vocabulary, style, media, and usage.
- Describe the work ethic needed for success in today's work environment.
- Develop business communications that present information in an organized and concise manner.
- Explain group dynamics as they apply to an individual working effectively within a group and within teams

- Identify the primary business operations, business organizational options, and business procedures.

Retail Management - Certificate of Achievement

- Demonstrate the integration of basic management theories into supervisory and management functions.
- Determine the demand for products and services offered by a firm and identify potential customers.
- Differentiate threshold issues involved in legal, ethical, and social responsibilities of management.
- Identify key business procedures relevant to a specific problem using appropriate technology.
- Integrate basic management theories into supervisor and management functions.
- List current problems related to human behavior in organizations and detail management practices effective in managing those issues.
- List resources and strategies for monitoring trends which help identify the need for new products and services.
- Summarize measures that can be taken by individuals and organizations to correct organizational dysfunctions.

Supervisory Management - Certificate of Achievement

- Analyze basic business documents to detect problems within an area of supervision.
- Demonstrate effective strategies for team work, planning, organizing, leading, and controlling human resources.
- Identify appropriate information compilation, reporting, storage and retrieval systems for common business situations.
- List the primary responsibilities of a supervisor in business today.

Kinesiology

Kinesiology – AA-T

- Upon completion of the AAT in Kinesiology, the student should be able to disseminate the knowledge of physical activity derived from experiences, scholarly study, and professional practice.
- Upon completion of the AAT in Kinesiology, the student should be able to identify programs of study within the field of Kinesiology.
- Upon completion of the AAT in Kinesiology, the student should be able to identify several career pathways associated with the Kinesiology degree.
- Upon completion of the AAT in Kinesiology, the student should be able to perform a variety of motor activities at a proficient level from at least three of the movement-based categories.

Marketing

Marketing - AA

- Compare and contrast the processes used to determine the (1) demand for products and services to be offered by a firm and the (2) identification of appropriate target markets.
- Construct a detailed marketing plan, which includes all aspects of the marketing mix.
- Demonstrate knowledge of business operations, the business organization, business environments, and business procedures.
- Detail available pricing strategies and prepare comparisons of strategies to achieve a firm's market objectives.

Retailing - Certificate of Achievement

- Compare and contrast the various pricing strategies.
- Determine the demand for products and services offered by a firm and identify potential customers.
- Develop pricing strategies with the goal of maximizing the firm's profits and/or market share while ensuring customer satisfaction.
- Explain promotional mixes and effective strategies for each.
- Identify distinctions between distribution channels.
- Identify the primary business operations, business organizational options, and business procedures.
- List resources and strategies for monitoring trends which help identify the need for new products and services.
- Summarize measures that can be taken by individuals and organizations to correct organizational dysfunctions.

Nutrition

Nutrition and Dietetics- AS-T

- Upon successful completion of the AS-T in Nutrition, students will acquire knowledge to develop health promotion and disease prevention programs that address diverse populations within a community (such as ethnicity, cultural backgrounds, socioeconomic status, and regional resources).
- Upon successful completion of the AS-T in Nutrition, students will be able to communicate knowledge of nutrition and metabolism and

apply that knowledge to the maintenance of health and the treatment of disease.

- Upon successful completion of the AS-T in Nutrition, students will critically evaluate factors influencing obesity, and the metabolic consequences of obesity, as it relates to chronic disease.

CATSS

Anthropology

Anthropology - AA-T

- Students will be able to contrast the fundamental ways in which cultures differ from one another.
- Students will be able to deconstruct the biological concept of "race."
- Students will be able to use anthropological research methods to gather data (including research in contemporary journals, field work, and the systematic analysis of findings).
- Upon completion of the AA-T in Anthropology, students will be able to describe and discuss differing cultural practices using anthropological theories and terms.
- Upon completion of the AA-T in Anthropology, students will be able to describe and discuss the evolution and prehistory of human beings.
- Upon completion of the AA-T in Anthropology, students will be able to use the scientific method to test hypotheses and establish empirical facts.

Automotive Technology

Automotive Chassis - Certificate of Achievement

- Student should be able to use automotive knowledge to diagnose various automotive concerns.
- Student will be able to follow safety guidelines while employed in an automotive related job.

Automotive Drivability- Certificate of Achievement

- Student should be able to use automotive knowledge to diagnose various automotive concerns.
- Student will be able to follow safety guidelines while employed in an automotive related job.

Automotive Electronics Technology - AS

- Student should be able to use automotive knowledge to diagnose various automotive concerns.
- Student will be able to follow safety guidelines while employed in an automotive related job.

Computer Information Systems

Computer Applications Software (Microcomputers) - Certificate Achievement

- Upon successful completion of the Computer Applications Software (Microcomputers) Certificate of Achievement, it is anticipated that students will be able to analyze a business problem and develop a solution using appropriate application software.
- Upon successful completion of the Computer Applications Software (Microcomputers) Certificate of Achievement, it is anticipated that students will be able to create appropriate business documents including reports, letters, emails, project plans, messages, and websites, and apply standard business English including grammar, punctuation, and mechanics.

Computer Information Systems - AA

- Upon successful completion of the Computer Information Systems AA degree, it is anticipated that students will be able to analyze a business problem and develop a solution using appropriate applications software.
- Upon successful completion of the Computer Information Systems AA degree, it is anticipated that students will be able to analyze a business situation and prepare a response using appropriate business documents including reports letters, emails, and project plans that are clear, compelling, analytical, grammatically correct, and concise.

Computer Information Technologist – AS

- Upon completion of the Computer Information Technologist AS degree, students shall be able to demonstrate a strong foundation of knowledge in computer programming, database design and administration, and computer networking.
- Upon completion of the Computer Information Technologist AS degree, students will be able to demonstrate clear, compelling, analytical, and concise writing to professionally describe their programming, database, and networking project and skills.

Project Management - Career Certificate

- Upon successful completion of the Project Management Career Certificate, it is anticipated that students will be able to analyze a business situation and prepare a response using appropriate business documents including reports letters, emails, and project plans that are clear, compelling, analytical, grammatically correct, and concise.
- Upon successful completion of the Project Management Career Certificate, it is anticipated that students will be able to develop survey questions to determine client requirements, develop project plans that ensure client satisfaction, and demonstrate clear, concise, and analytical writing.

Web Development - Career Certificate

- Upon successful completion of the Web Development Career Certificate, it is anticipated that students will be able to create basic web pages that contain text (utilizing different fonts and colors), hyperlinks to other web sites, graphic images and sound.
- Upon successful completion of the Web Development Career Certificate, it is anticipated that students will be able to create web pages that incorporate JavaScript controls.

Computer Networking Technology**Cisco Network Associate - Certificate of Achievement**

- Upon successful completion of the Cisco Network Associate Certificate of Achievement, students will be able to configure a WAN with routing, Troubleshoot WAN configuration.
- Upon successful completion of the Cisco Network Associate Certificate of Achievement, students will be able to configure a LAN with routing, Troubleshoot LAN configuration.

Computer Desktop OS Security - Career Certificate

- Upon successful completion of the Computer Desktop OS Security Career Certificate, students will be able to identify, install, configure, and manage common network cables, devices and services.
- Upon successful completion of the Computer Desktop OS Security Career Certificate, students will be able to demonstrate professional behavior such as working in a team and communicating in a professional manner.
- Upon successful completion of the Computer Desktop OS Security Career Certificate, students will be able to explain the basic objectives of cybersecurity and the importance of information security
- Upon successful completion of the Computer Desktop OS Security Career Certificate, students will be able to install, configure, and manage computer and network hardware.
- Upon successful completion of the Computer Desktop OS Security Career Certificate, students will be able to install, configure, and manage desktop operating systems.

Computer Forensics Examiner - Career Certificate

- Upon successful completion of the Computer Forensics Examiner Career Certificate, students will be able to image and examine evidence in a forensically sound manner.
- Upon successful completion of the Computer Forensics Examiner Career Certificate, students will be able to perform evidence examination and evaluation and present in a standard forensic case report.

Computer Network Administration (Microsoft) - Career Certificate

- Upon successful completion of the Computer Network Administration (Microsoft) Career Certificate, students will be able to analyze, design and document computer network specifications to meet client needs.
- Upon successful completion of the Computer Network Administration (Microsoft) Career Certificate, students will be able to analyze, design, and document Windows enterprise services to meet client needs.
- Upon successful completion of the Computer Network Administration (Microsoft) Career Certificate, students will be able to demonstrate professional behavior such as working in a team and communicating in a professional manner.
- Upon successful completion of the Computer Network Administration (Microsoft) Career Certificate, students will be able to install, configure, and manage client and server operating systems.
- Upon successful completion of the Computer Network Administration (Microsoft) Career Certificate, students will be able to install, configure, and manage network dependencies and services.
- Upon successful completion of the Computer Network Administration (Microsoft) Career Certificate, students will be able to install, configure, and manage Windows client operating systems.
- Upon successful completion of the Computer Network Administration (Microsoft) Career Certificate, students will be able to manage users, computers, and groups in Active Directory.

Computer Network Technician - Career Certificate

- Upon successful completion of the Computer Network Technician Career Certificate, students will be able to analyze, design and document computer network specifications to meet client needs.
- Upon successful completion of the Computer Network Technician Career Certificate, students will be able to demonstrate professional behavior such as working in a team and communicating in a professional manner.
- Upon successful completion of the Computer Network Technician Career Certificate, students will be able to install, configure, and manage client and server operating systems.
- Upon successful completion of the Computer Network Technician Career Certificate, students will be able to install, configure, and manage computer hardware.

Network and Wireless Security - Career Certificate

- Upon successful completion of the Network and Wireless Security Career Certificate, students will be able to identify risk management strategies and mitigating controls for wired and wireless networks.
- Upon successful completion of the Network and Wireless Security Career Certificate, students will be able to identify threats and vulnerabilities to wired and wireless networks.
- Upon successful completion of the Network and Wireless Security Career Certificate, students will be able to implement secure

configuration management.

- Upon successful completion of the Network and Wireless Security Career Certificate, students will be able to install, configure, and manage wired and wireless networks.

Network Security and Administration - AS

- Upon successful completion of the Network Security and Administration AS degree, students will be able to analyze, design, and document computer and network specifications to meet client needs.
- Upon successful completion of the Network Security and Administration AS degree, students will be able to demonstrate professional behavior such as working in a team and communicating in a professional manner.
- Upon successful completion of the Network Security and Administration AS degree, students will be able to explain the basic objectives of cybersecurity and the importance of information security.
- Upon successful completion of the Network Security and Administration AS degree, students will be able to install, configure, and manage computer and network hardware.
- Upon successful completion of the Network Security and Administration AS degree, students will be able to install, configure, and manage operating systems.

Computer Science

Computer Programming - Certificate of Achievement

- Upon completion of the Computer Programming Certificate of Achievement, students will be able to professionally demonstrate the application of their skills in the development and testing of their solution to solve a specific computing project
- Upon completion of the Computer Programming Certificate of Achievement, students will be able to professionally describe and apply their skills in the design of their solutions as well as alternative technologies or solutions to solve their specific computing project

Computer Programming for the Web - Certificate of Achievement

- Upon successful completion of the Computer Programming for the Web Certificate of Achievement, students will be able to direct computer operations by writing detailed instructions in computer languages.
- Upon successful completion of the Computer Programming for the Web Certificate of Achievement, students will be able to implement interactive web pages using high level programming language instructions to implement specific information internet-based solutions.
- Upon successful completion of the Computer Programming for the Web Certificate of Achievement, students will be able to professionally demonstrate the application of their web development skills in the development of their solution to solve a specific internet-based computer project.

Computer Science - AS

- Upon successful completion of the Computer Science AS degree, it is anticipated that students will be able to analyze, design, and solve complex computer-based problems using both logical and mathematical methods including the implementation of control and data structures.
- Upon successful completion of the Computer Science AS degree, it is anticipated that students will be able to direct computer operations by writing detailed instructions in computer languages to solve a variety of problems.
- Upon successful completion of the Computer Science AS degree, it is anticipated that students will be able to professionally describe and apply their skills in the design of their complex computer system or algorithm and be able to show how their solution is the most optimal.

Early Childhood Development

Associate Teacher - Certificate of Achievement

- Assess children's development through observation, documentation, reflection and interpretation to guide curriculum and intentional teaching.
- Compare and contrast diverse cultural values, child rearing practices, attitudes towards play and education by developing respectful reciprocal relationships in order to work effectively with children, families, co-workers and community.
- Intentionally design inclusive, culturally and linguistically appropriate curriculum to promote positive development for all young children, based on child development, observation and reflection.
- Synthesize child development research and theories; apply principles with consideration for children's varying characteristics, needs and the multiple interacting influences on children's development.

Early Childhood Development - AA

- Apply ethical standards of behavior accepted by the profession of early childhood education using ongoing self-reflection to guide practices
- Assess children's development through observation, documentation, reflection and interpretation to guide curriculum and intentional teaching.
- Compare and contrast diverse cultural values, child rearing practices, attitudes towards play and education by developing respectful reciprocal relationships in order to work effectively with children, families, co-workers and community.
- Demonstrate practices that maintain standards of health, nutrition, and safety in early childhood settings.
- Identify the processes of and contributions to systemic and internalized oppression and privilege. Utilize this information, along with personal reflection, to identify strategies to more effectively educate children in a pluralistic society.

- Intentionally design inclusive, culturally and linguistically appropriate curriculum to promote positive development for all young children, based on child development, observation and reflection.
- Synthesize child development research and theories; apply principles with consideration for children's varying characteristics, needs and the multiple interacting influences on children's development
- Utilize observation and evaluation processes/tools to apply and implement developmentally appropriate practices in an early care and education setting using knowledge, skills and professional dispositions that promote the development and learning of all young children.

Early Childhood Development - Certificate of Achievement

- Apply ethical standards of behavior accepted by the profession of early childhood education using ongoing self-reflection to guide practices.
- Assess children's development through observation, documentation, reflection and interpretation to guide curriculum and intentional teaching.
- Compare and contrast diverse cultural values, child rearing practices, attitudes towards play and education by developing respectful reciprocal relationships in order to work effectively with children, families, co-workers and community.
- Demonstrate practices that maintain standards of health, nutrition, and safety in early childhood settings.
- Identify the processes of and contributions to systemic and internalized oppression and privilege. Utilize this information, along with personal reflection, to identify strategies to more effectively educate children in a pluralistic society.
- Intentionally design inclusive, culturally and linguistically appropriate curriculum to promote positive development for all young children, based on child development, observation and reflection.
- Synthesize child development research and theories; apply principles with consideration for children's varying characteristics, needs and the multiple interacting influences on children's development.
- Utilize observation and evaluation processes/tools to apply and implement developmentally appropriate practices in an early care and education setting using knowledge, skills and professional dispositions that promote the development and learning of all young children.

Early Childhood Education - AS-T

- Apply ethical standards of behavior accepted by the profession of early childhood education using ongoing self-reflection to guide practices.
- Assess children's development through observation, documentation, reflection and interpretation to guide curriculum and intentional teaching.
- Compare and contrast diverse cultural values, child rearing practices, attitudes towards play and education by developing respectful reciprocal relationships in order to work effectively with children, families, co-workers and community.
- Demonstrate practices that maintain standards of health, nutrition, and safety in early childhood settings.
- Intentionally design inclusive, culturally and linguistically appropriate curriculum to promote positive development for all young children, based on child development, observation and reflection.
- Synthesize child development research and theories; apply principles with consideration for children's varying characteristics, needs and the multiple interacting influences on children's development.
- Utilize observation and evaluation processes/tools to apply and implement developmentally appropriate practices in an early care and education setting using knowledge, skills and professional dispositions that promote the development and learning of all young children.

Early Childhood Intervention - AA

- Assess children's development through observation, documentation, reflection and interpretation to guide curriculum and intentional teaching.
- Compare and contrast diverse cultural values, child rearing practices, attitudes towards play and education by developing respectful reciprocal relationships in order to work effectively with children, families, co-workers and community.
- Demonstrate practices that maintain standards of health, nutrition, and safety in early childhood settings.
- Identify the processes of and contributions to systemic and internalized oppression and privilege. Utilize this information, along with personal reflection, to identify strategies to more effectively educate children in a pluralistic society.
- Intentionally design inclusive, culturally and linguistically appropriate curriculum to promote positive development for all young children, based on child development, observation and reflection.
- Students will develop a personal ECD philosophy after reviewing ECD philosophies and program approaches.
- Synthesize child development research and theories; apply principles with consideration for children's varying characteristics, needs and the multiple interacting influences on children's development
- Utilize observation and evaluation processes/tools to apply and implement developmentally appropriate practices in an early care and education setting using knowledge, skills and professional dispositions that promote the development and learning of all young children.

Early Childhood Intervention Assistant - Certificate of Achievement

- Assess children's development through observation, documentation, reflection and interpretation to guide curriculum and intentional teaching.
- Compare and contrast diverse cultural values, child rearing practices, attitudes towards play and education by developing respectful reciprocal relationships in order to work effectively with children, families, co-workers and community.
- Demonstrate practices that maintain standards of health, nutrition, and safety in early childhood settings.

- Intentionally design inclusive, culturally and linguistically appropriate curriculum to promote positive development for all young children, based on child development, observation and reflection.
- Synthesize child development research and theories; apply principles with consideration for children's varying characteristics, needs and the multiple interacting influences on children's development
- Utilize observation and evaluation processes/tools to apply and implement developmentally appropriate practices in an early care and education setting using knowledge, skills and professional dispositions that promote the development and learning of all young children.

History

History - AA-T

- Upon successful completion of the A.A.T. in History, students should be able to demonstrate critical thinking as they identify and use various types of historical sources.
- Upon successful completion of the A.A.T. in History, the students should be able to demonstrate critical thinking by citing appropriate historical evidence to explain change over time.
- Upon successful completion of the A.A.T. in History, the students should be able to use primary and/or secondary sources to argue a historical thesis.

Psychology

Psychology - AA-T

- Apply theories, concepts and findings in psychology for self-understanding, self-improvement, and lifelong learning.
- Demonstrate an understanding of and apply basic research methods in psychology including research design, hypothesis testing, and data interpretation.
- Demonstrate an understanding of the value of sociocultural diversity and individual differences.
- Demonstrate critical thinking skills to assess real-world issues and to solve problems related to behavioral and mental processes.
- Demonstrate effective written communication skills by discussing course content and using APA style.
- Demonstrate knowledge of the major concepts, theories, and empirical findings in psychology. This understanding should focus on the biological basis and development of behaviors and mental processes.

Sociology

Sociology - AA-T

- Upon completion of Sociology AA-T program, the students should be able to analyze and describe the major concepts, theoretical perspectives, empirical findings, and historical trends in sociology.
- Upon completion of Sociology AA-T program, the students should be able to demonstrate critical thinking and analytic skills in the application of social theory to solve problems that arise in institutional and societal contexts.

Welding Technology

Welding Technology - AS

- Upon successful completion of the AS in Welding Technology, students will be able to operate safely in a welding workplace environment.
- Upon successful completion of the AS in Welding Technology, students will have skills necessary to pass an American Welding Society standard welding certification test.

Welding Technology - Certificate of Achievement

- Upon successful completion of the Certificate of Achievement in Welding Technology, students will be able to operate safely in a welding workplace environment.
- Upon successful completion of the Certificate of Achievement in Welding Technology, students will have skills necessary to pass an American Welding Society standard welding certification test.

MSEPS

Administration of Justice

Administration of Justice - AA

- Upon successful completion of the AJ/AA degree program, the student will be academically prepared for a California Peace Officer Standards and Training Commission basic training academy and prepared for transfer to a four year degree program. The student will be able to compare and contrast the different components and sub-components of the American criminal justice program; interpret criminal law statutes; differentiate between civil law and criminal law; investigate a scenario and create a police report utilizing proper investigative and evidentiary procedures and understand ethical leadership in a law enforcement agency.

Administration of Justice – AS-T

- Upon successful completion of the AJ AS-T degree program, the student will be academically prepared for transfer to a four year degree program. The student will be able to explain different components and sub-components of the American criminal justice program; interpret criminal law statutes and differentiate between civil law and criminal law.

<p>Biological Sciences</p> <p>Biological Sciences - AA</p> <ul style="list-style-type: none"> • Upon successful completion of an AA in Biological Sciences, students are able to explain and apply basic principles and processes of biology at different levels, from the biochemical to the ecological. • Upon successful completion of an AA in Biological Sciences, students are able to design, conduct, analyze, and/or report results of investigations and experiments in the laboratory and/or field. • Upon successful completion of an AA in Biological Sciences, students are proficient in standard biology lab techniques and lab safety procedures. <p>Biology - AS-T</p> <ul style="list-style-type: none"> • Upon successful completion of an AS-T in Biology, students are able to design, conduct, analyze, and/or report results of investigations and experiments in the laboratory and/or field. • Upon successful completion of an AS-T in Biology, students are able to explain and apply basic principles and processes of biology at different levels, from the biochemical to the ecological. • Upon successful completion of an AS-T in Biology, students are proficient in standard biology lab techniques and lab safety procedures. <p>Biology: Allied Health - AA</p> <ul style="list-style-type: none"> • Upon successful completion of an AA in Biology: Allied Health, students are able to explain and apply the basic processes of homeostasis in humans from the cellular to the organismal level. • Upon successful completion of an AA in Biology: Allied Health, students are able to conduct, analyze, and report results of experiments. • Upon successful completion of an AA in Biology: Allied Health, students are proficient in standard biology lab techniques and lab safety procedure.
<p>Chemistry</p> <p>Chemistry - AS</p> <ul style="list-style-type: none"> • Students completing this degree should be able to demonstrate proficiency in solving complex problems in and conceptual understanding of General Chemistry as measured by the ACS Full-Year General Chemistry Exam. • Students completing this degree should be able to demonstrate proficiency in solving complex problems in and conceptual understanding of Organic Chemistry as measured by the ACS Full-Year Organic Chemistry Exam. <p>Chemistry Education - AA</p> <ul style="list-style-type: none"> • Students completing this degree should be able to demonstrate proficiency in solving complex problems in and conceptual understanding of General Chemistry as measured by the ACS Full-Year General Chemistry Exam. • Students completing this degree should be able to demonstrate proficiency in solving complex problems in and conceptual understanding of Organic Chemistry as measured by the ACS Full-Year Organic Chemistry Exam.
<p>Emergency Medical Services</p> <p>Emergency Medical Services EMT-Paramedic - AS</p> <ul style="list-style-type: none"> • Upon successful completion of the Emergency Medical Services EMT Paramedic AS program, the student will be a competent entry-level Paramedic in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains with or without exit points at the Advanced Emergency Medical Technician and/or Emergency Medical Technician, and/or Emergency Medical Responder levels. • Upon successful completion of the Emergency Medical Services EMT Paramedic AS program, the student will be prepared and qualified to become a Nationally Registered Paramedic (NRP). <p>Emergency Medical Services EMT-Paramedic - Certificate of Achievement</p> <ul style="list-style-type: none"> • Upon completion of the Emergency Medical Services EMT Paramedic Certificate of Achievement, the student will be competent as an entry-level Paramedic in the cognitive (knowledge), psycho-motor (skills), and affective (behavior) learning domains with or without exit points at the Advanced Emergency Medical Technician and/or Emergency Medical Technician, and/or Emergency Medical Responder levels. • Upon successful completion of the Emergency Medical Services EMT Paramedic Certificate of Achievement, the student will be prepared to become a Nationally Registered Paramedic (NRP).
<p>Engineering</p> <p>Engineering Technology - AS</p> <ul style="list-style-type: none"> • Apply written, oral, and graphical communication in both technical and non-technical environments. • Conduct, analyze, and interpret standard tests, measurements, and experiments; and apply experimental result to improve processes. • Function effectively as a member or leader on a technical team. • Select and apply knowledge of math, science, engineering, and technology to engineering technology problems that require the application of principles and applied procedures. • Select and apply the knowledge, techniques, skills, and tools of the discipline to broadly-defined engineering technology activities.

Environmental Studies
<p>Environmental Science - AS</p> <ul style="list-style-type: none"> • Students must be able to perform and analyze a home Energy Audit. <p>Environmental Studies - AA</p> <ul style="list-style-type: none"> • Students must be able to perform and analyze a home Energy Audit.
Fire Service Technology
<p>Fire Service Technology - AS</p> <ul style="list-style-type: none"> • Students will gain knowledge safety, rescue, emergency medical operations and hazardous materials. <p>Fire Service Technology - Certificate of Achievement</p> <ul style="list-style-type: none"> • Students will gain knowledge safety, rescue, emergency medical operations and hazardous materials.
Geography
<p>Geography - AA-T</p> <ul style="list-style-type: none"> • Assemble and analyze spatial information (maps, data, surveys, qualitative observations, etc), using traditional and modern mapping technology methods • Demonstrate knowledge of global physical and environmental processes, locations and develop an appreciation of landscapes.
Geology
<p>Geology - AS-T</p> <ul style="list-style-type: none"> • Upon completion of this degree, students should be able to demonstrate proficiency in basic earth processes (e.g., plate tectonics). • Upon completion of this degree, students should be able to demonstrate proficiency in the evaluation and identification of basic earth materials (e.g., rocks and minerals).
Health Sciences
<p>Administrative Medical Assistant – Certificate of Achievement</p> <ul style="list-style-type: none"> • Students will demonstrate an understanding of basic anatomy, physiology, and disease processes of the human body as it relates to patient medical history.
Horticulture
<p>Horticulture - AS</p> <ul style="list-style-type: none"> • The successful student will be able to accurately identify a set of plant material; use that plant material in a landscape design; and prepare a maintenance schedule for the chosen plant materials. <p>Horticulture - Certificate of Achievement</p> <ul style="list-style-type: none"> • The successful student will be able to select plant materials for a given landscape based on water requirements, soil type, pest and disease resistance, growth habits, and design requirements.
Math
<p>Mathematics - AS-T</p> <ul style="list-style-type: none"> • Upon successful completion of the Mathematics AS-T, students will be able to demonstrate the ability to use symbolic, graphical, numerical, and written representations of mathematical ideas. • Upon successful completion of the Mathematics AS-T, students will be able to learn mathematics through modeling real-world situations. • Upon successful completion of the Mathematics AS-T, students will be able to read, write, listen to, and speak mathematics with understanding. • Upon successful completion of the Mathematics AS-T, students will be able to use appropriate technology to enhance their mathematical thinking and understanding, solve mathematical problems, and judge the reasonableness of their results. • Upon successful completion of the Mathematics AS-T, students will be able to use mathematical reasoning and, when appropriate, a general problem solving process to solve problems.
Occupational Safety and Health
<p>Occupational Safety and Health - AS</p> <ul style="list-style-type: none"> • Apply a working knowledge of mathematics and the sciences to conduct experiments and to analyze and interpret data to solve safety and health related issues • Design programs to control, eliminate, and prevent disease or injury caused by chemical, physical, radiological, and biological agents or ergonomic factors as well as prepare an emergency response plan. <p>Occupational Safety and Health - Certificate of Achievement</p>

- Design programs to control, eliminate, and prevent disease or injury caused by chemical, physical, radiological, and biological agents or ergonomic factors as well as prepare an emergency response plan.

Physics

PSLO

- Upon successful completion of an AS in Physics, students are able analyze physical situations quantitatively using fundamental physics principles, ranging from Newtonian mechanics to modern physics.

Physics - AS

- Upon successful completion of an AS in Physics, students are able analyze physical situations quantitatively using fundamental physics principles, ranging from Newtonian mechanics to modern physics.
- Upon successful completion of an AS in Physics, students are able to design and conduct laboratory experiments, and analyze and interpret their data.
- Upon successful completion of an AS in Physics, students are able to effectively communicate the methods, analysis, results, and conclusions of their own scientific experiments.

Viticulture and Winery Tech

Enology - AS

- Upon completion of the A.S. in Enology, the student will have working knowledge of the organoleptic requirements of a sound wine through the processes of sensory analysis
- Upon successful completion of the A.S. in Enology, the student will have working knowledge of the processes of the chemical analysis of wines

Viticulture - AS

- Student will have proficient knowledge of the seasonal requirements of a working vineyard.
- Upon successful completion of the A.S. in Viticulture, the student will be able to contribute to the wine grape industry and participate in professional organizations at the local, state-wide, national and/or international levels.
- Upon successful completion of the A.S. in Viticulture, the student will be able to describe the latest technological advances in vineyard practices and incorporate current technology into their farming plans.
- Upon successful completion of the A.S. in Viticulture, the student will be able to identify, plan, and implement sustainable farming practices that will improve fruit quality, provide efficacious pest and disease management, and protect natural resources and the environment.
- Upon successful completion of the A.S. in Viticulture, the student will be able to show leadership capabilities by effectively training others to perform hands-on vineyard tasks.
- Upon successful completion of the A.S. in Viticulture, the student will be able to work cooperatively and effectively with winery personnel to determine optimum harvest parameters and coordinate the operations required.

Viticulture - Certificate of Achievement

- Student will have be proficient in the seasonal requirements of a working vineyard.
- Upon successful completion of the A.S. in Viticulture, the student will be able to contribute to the wine grape industry and participate in professional organizations at the local, state-wide, national and/or international levels.
- Upon successful completion of the Certificate of Achievement in Viticulture, the student will be able to describe the latest technological advances in vineyard practices and incorporate current technology into their farming plans.
- Upon successful completion of the Certificate of Achievement in Viticulture, the student will be able to identify, plan, and implement sustainable farming practices that will improve fruit quality, provide efficacious pest and disease management, and protect natural resources and the environment.
- Upon successful completion of the Certificate of Achievement in Viticulture, the student will be able to show leadership capabilities by effectively training others to perform hands-on vineyard tasks.
- Upon successful completion of the Certificate of Achievement in Viticulture, the student will be able to work cooperatively and effectively with wineries to determine optimum harvest parameters and coordinate the operations required.

STUSVCS

Psychology Counseling

Health and Human Services - Certificate of Achievement

- Upon successful completion of the Certificate of Achievement in Health and Human Services, students will be able to evaluate personal motives, values, and philosophy necessary to work with diverse populations in fields of the helping professions.
- Upon successful completion of the Certificate of Achievement in Health and Human Services, students will be able to explain the practice of human services in terms of the helping process, professional and ethical concerns, and working within a system.

University Transfer: CSU

University Transfer: CSU - Certificate of Achievement

- Students will critically apply ethical standards to identify problems and create solutions.

University Transfer: IGETC

University Transfer: IGETC - Certificate of Achievement

- Students will critically apply ethical standards to identify problems and create solutions.