

PSLO Presentation

Las Positas

Date: 06/18/2018

AH
Art
Art: Painting - AA <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.
Studio Arts – AA-T <ul style="list-style-type: none">• Upon completion of the AA-T 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 AA-T in Studio Arts, students will be able to apply the principles and concepts of design.• Upon completion of the AA-T 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 AA-T 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
Communication Studies AA-T <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
English - AA <ul style="list-style-type: none">• Upon completion of the AA in English, the student will be able to analyze an author's use of literary techniques to develop a theme.• Upon completion of the AA in English, the student will be able to identify and evaluate implied arguments in college-level literary texts.• Upon completion of the AA in English, 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 AA in English, the student will be able to use grammar, vocabulary and style appropriate for academic essays.• Upon completion of the AA in English, the student will be able to write a research paper using credible sources and correct documentation.• Upon completion of the AA in English, the student will be able to write an academic essay synthesizing multiple texts and using logic to support a thesis.
English - AA-T <ul style="list-style-type: none">• Upon completion of the AA-T in English, the student will be able to analyze an author's use of literary techniques to develop a theme.• Upon completion of the AA-T in English, the student will be able to identify and evaluate implied arguments in college-level literary texts.• Upon completion of the AA-T in English, 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.

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- Upon completion of the AA-T in English, the student will be able to write an academic essay synthesizing multiple texts and using logic to support a thesis.

Graphic Design & Digital Media

Digital Illustration - Certificate of Achievement

- Upon completion of the Certificate of Achievement in Digital Illustration, 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 Digital Illustration, 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 Digital Illustration, 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 Digital Illustration, students will be able to use industry-standard software with technical proficiency and create documents to required specifications for delivery to clients.

Graphic Design - AA

- Upon completion of the Associate of Arts in Graphic Design, 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 Graphic Design, 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 Graphic Design, 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 Graphic Design, students will be able to use industry-standard software with technical proficiency and create documents to required specifications for delivery to clients.

Graphic Design - Certificate of Achievement

- Upon completion of the Certificate of Achievement in Graphic Design, students will be able apply principles of design to effectively conceptualize, create and deliver design solutions for the intended audience.
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- Upon completion of the Certificate of Achievement in Graphic Design, students will be able to use industry-standard software with technical proficiency and create documents to required specifications for delivery to clients.

Print Design - Certificate of Achievement

- Upon completion of the Certificate of Achievement in Print Design, 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 Print Design, 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 Print Design, 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 Print Design, students will be able to use industry-standard software with technical proficiency and create documents to required specifications for delivery to clients.

Web & Interaction Design - Certificate of Achievement

- Upon completion of the Certificate of Achievement in Web & Interaction Design, 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 Web & Interaction Design, 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 Web & Interaction Design, 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 Web & Interaction Design, students will be able to use industry-standard software with technical proficiency and create documents to required specifications for delivery to clients.

Humanities

Humanities - AA

- Upon completion of the AA in Humanities, the student will be able to express informed aesthetic responses to works of art.
- Upon completion of the AA in Humanities, the student will be able to interpret and apply theoretical methods used in the humanities.

<p>Interior Design</p> <p>Interior Design - AS</p> <ul style="list-style-type: none"> • Upon completion of the AS in Interior Design, the student will be able to demonstrate the skills and knowledge learned through coursework to meet CSU transfer requirements. <p>Interior Design - Certificate of Achievement</p> <ul style="list-style-type: none"> • Upon completion of the Certificate of Achievement in Interior Design, the student will be prepared to work in a professional design company with both business and design education.
<p>Liberal Arts and Sciences</p> <p>Liberal Arts and Sciences: Arts and Humanities- AA</p> <ul style="list-style-type: none"> • 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. <p>Liberal Arts and Sciences: Business- AA</p> <ul style="list-style-type: none"> • Upon completion of the AA in Liberal Arts & Sciences: Business, the student should be able to compare, contrast, and apply ethical standards and use best practices regarding the social responsibility of a business. • Upon completion of the AA in Liberal Arts & Sciences: Business, the student should be able to describe the significance of marketing functions including Price, Product, Place and Promotion in a product life cycle. • Upon completion of the AA in Liberal Arts & Sciences: Business, the student should be able to identify and describe types of business organizations and operations, as well as the effects of legal environments, when making a selection. <p>Liberal Arts and Sciences: Computer Studies- AA</p> <ul style="list-style-type: none"> • Upon completion of the AA in Liberal Arts & Sciences: Computer Studies, the student will be able to demonstrate a strong foundation of knowledge in computer hardware, software, networking, and programming. <p>Liberal Arts and Sciences: Language Arts and Communication- AA</p> <ul style="list-style-type: none"> • 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. <p>Liberal Arts and Sciences: Mathematics and Science- AA</p> <ul style="list-style-type: none"> • Upon completion of the AA in Liberal Arts & Sciences: Mathematics and 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 and 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 and 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 and Science, the student will use scientific reasoning to solve problems or conduct research, and assess the reasonableness of their results. <p>Liberal Arts and Sciences: Social and Behavioral Science- AA</p> <ul style="list-style-type: none"> • Upon completion of the AA in Liberal Arts & Sciences: Social and Behavioral Sciences, 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 & Sciences: Social and Behavioral Sciences, 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 & Sciences: Social and Behavioral Sciences, 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"> • Upon completion of the AA-T in Journalism, the student will be able to develop a broad understanding of the principles, roles, techniques, and effects of media in society. • Upon completion of the AA-T in Journalism, the student will be able to gain experience in production of the student media. • Upon completion of the AA-T in Journalism, the student will be able to prepare for careers in media and related fields. <p>Mass Communications - AA</p>

- Upon completion of the AA in Mass Communications, the student will be able to demonstrate an understanding of different aspects of the role of media in society through research and writing.
- Upon completion of the AA in Mass Communications, the student will be able to participate in the creation of student media, following a timeline for production, editing and formatting content, and publishing and distributing.

Mass Communications: Journalism - Certificate of Achievement

- Upon completion of the Certificate of Achievement in Mass Communications: Journalism, the student will be able to demonstrate an understanding of different aspects of the role of media in society through research and writing.
- Upon completion of the Certificate of Achievement in Mass Communications: Journalism, the student will be able to participate in the creation of student media, following a timeline for production, editing and formatting content, and publishing and distributing.
- Upon completion of the Certificate of Achievement in Mass Communications: Journalism, the student will be able to recognize, acquire, produce, and distribute content for the weekly college newspaper, The Express, demonstrating increasing understanding of standards of journalism and design.

Radio Communications - Career Certificate

- Upon completion of the Career Certificate in Radio Communications, the student will be able to 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.
- Upon completion of the Career Certificate in Radio Communications, 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.

Music

Commercial Music: Music Business - Certificate of Achievement

- Upon completion of the certificate in Commercial Music: Music Business, students will be able to analyze and evaluate standard contracts and legal procedures in the music industry.
- Upon completion of the certificate in Commercial Music: Music Business, students will be able to develop a variety of approaches for marketing and promoting musical ensembles.
- Upon completion of the certificate in Commercial Music: Music Business, students will be able to develop strategies to solve challenges of self employment in the music industry.

Commercial Music: Music Technology Fundamentals - Career Certificate

- Upon completion of the Career Certificate in Commercial Music: Music Technology Fundamentals, students will be able to engineer, mix, and notate music using industry- standard software and equipment.

Commercial Music: Teaching Beginning Piano - Certificate of Achievement

- Upon completion of the Certificate of Achievement in Teaching Beginning Piano, the students will 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.

Commercial Music: Teaching Intermediate Piano - Certificate of Achievement

- Upon completion of the Certificate of Achievement in Teaching Intermediate Piano, the students will be able to choose appropriate methods and repertoire for the intermediate student.
- Upon completion of the Certificate of Achievement in Teaching Intermediate Piano, the students will 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.

Music - AA

- 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.

Music- AA-T

- 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.

Philosophy

Philosophy - AA-T

- Upon successful completion of the AA-T in Philosophy, the student will be able to communicate ideas in a way that shows respect for others.

- Upon successful completion of the AA-T in Philosophy, the student 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 the AA-T in Philosophy, the student 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

- Upon completion of the Career Certificate in Photography, 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.
- Upon completion of the Career Certificate in Photography, the student 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.
- Upon completion of the Career Certificate in Photography, the student will be able to critique and discuss film and digital photographic images that represent fully developed concepts of form, medium and content.

Theater Arts

Theater Arts - AA

- Upon completion of the AA in Theater Arts, 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 AA in Theater Arts, the student should 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 AA in Theater Arts, 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 AA in Theater Arts, 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 AA in Theater Arts, 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

- Upon completion of the AA-T in Theater Arts, the student should be able to analyze the artistic elements in productions, looking at design, acting, and directorial choice.
- Upon completion of the AA-T in Theater Arts, 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 AA-T in Theater Arts, 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 AA-T in Theater Arts, 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 AA-T in Theater Arts, 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.

BHAWK

Business

Accounting Technician - Certificate of Achievement

- Upon completion of the Certificate of Achievement in Accounting Technician, the student 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

- Upon completion of the AA in Administrative Assistant, the student will be able to complete business-related documents using the various functions—basic, intermediate, and advanced—of the software programs: Word, Excel, PowerPoint.

Administrative Assistant - Certificate of Achievement

- Upon completion of the Certificate of Achievement in Administrative Assistant, the student will be able to demonstrate the ability to successfully use basic English language skills (grammar, punctuation, capitalization, etc.) in business documents.

Bookkeeping - Career Certificate

- Upon completion of the Career Certificate in Bookkeeping, 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

- Upon completion of the AS in Business, students will be able compare and contrast ethical standards and best practices of social responsibility to business situations.

- Upon completion of the AS in Business, students will be able demonstrate knowledge of business operations, the business organization, business environments, and business procedures.
- Upon completion of the AS in Business, students will be able explain the functions of all business operations and identify the resources needed in each area.

Business Administration - AA

- Upon completion of the AA in Business Administration, students will be able to compare and contrast ethical standards and best practices of social responsibility to business situations.
- Upon completion of the AA in Business Administration, students will be able to demonstrate knowledge of business operations, the business organization, business environments, and business procedures.
- Upon completion of the AA in Business Administration, students will be able to explain the functions of all business operations and identify the resources needed in each area.
- Upon completion of the AA in Business Administration, students will be able to list and explain the factors of production, the external business environments and apply their influence in specific business problems.

Business Administration - AS-T

- Upon completion of the AS-T in Business Administration, students will be able to compare and contrast ethical standards and best practices of social responsibility to business situations.
- Upon completion of the AS-T in Business Administration, students will be able to demonstrate knowledge of business operations, the business organization, business environments, and business procedures.
- Upon completion of the AS-T in Business Administration, students will be able to explain the functions of all business operations and identify the resources needed in each area.
- Upon completion of the AS-T in Business Administration, students will be able to list and explain the factors of production, the external business environments and apply their influence in specific business problems.

Business Entrepreneurship - AA

- Upon completion of the AA in Business Entrepreneurship, students will be able to construct a business plan, essential marketing plan, and the basic financial documents needed for a small business.
- Upon completion of the AA in Business Entrepreneurship, students will be able to define "Competitive Advantage" and discuss actions a small business should use to achieve it.
- Upon completion of the AA in Business Entrepreneurship, students will be able to demonstrate knowledge of business operations, the business organization, business environments, and business procedures.
- Upon completion of the AA in Business Entrepreneurship, students will be able to describe the nature and characteristics of successful small businesses.

Business Entrepreneurship - Certificate of Achievement

- Upon completion of the Certificate of Achievement in Business Entrepreneurship, students will be able to compare and contrast the impact of the external business environments on small businesses.
- Upon completion of the Certificate of Achievement in Business Entrepreneurship, students will be able to construct a business plan, essential marketing plan, and basic financial documents for a small business.
- Upon completion of the Certificate of Achievement in Business Entrepreneurship, students will be able to define and provide concrete examples of the "Competitive Advantage" concept that a small business must achieve in order to succeed.
- Upon completion of the Certificate of Achievement in Business Entrepreneurship, students will be able to describe the nature and characteristics of successful small business persons.
- Upon completion of the Certificate of Achievement in Business Entrepreneurship, students will be able to detail key business procedures relevant to a specific problem using appropriate technology.
- Upon completion of the Certificate of Achievement in Business Entrepreneurship, students will be able to summarize the responsibilities of small business owners in selecting, motivating, training, and supervising employees.

Business Workforce Proficiency - Career Certificate

- Upon completion of the Career Certificate in Business Workforce Proficiency, students will be able to apply standard business English to oral and written communications, including grammar, punctuation, mechanics, vocabulary, style, media, and usage.
- Upon completion of the Career Certificate in Business Workforce Proficiency, students will be able to describe the work ethic needed for success in today's work environment.
- Upon completion of the Career Certificate in Business Workforce Proficiency, students will be able to develop business communications that present information in an organized and concise manner.
- Upon completion of the Career Certificate in Business Workforce Proficiency, students will be able to explain group dynamics as they apply to an individual working effectively within a group and within teams
- Upon completion of the Career Certificate in Business Workforce Proficiency, students will be able to identify the primary business operations, business organizational options, and business procedures.

Retail Management (W AFC) - Certificate of Achievement

- Upon completion of the Certificate of Achievement in Retail Management (W AFC), students will be able to demonstrate the integration of basic management theories into supervisory and management functions.

- Upon completion of the Certificate of Achievement in Retail Management (WAFC), students will be able to determine the demand for products and services offered by a firm and identify potential customers.
- Upon completion of the Certificate of Achievement in Retail Management (WAFC), students will be able to differentiate threshold issues involved in legal, ethical, and social responsibilities of management.
- Upon completion of the Certificate of Achievement in Retail Management (WAFC), students will be able to identify key business procedures relevant to a specific problem using appropriate technology.
- Upon completion of the Certificate of Achievement in Retail Management (WAFC), students will be able to integrate basic management theories into supervisor and management functions.
- Upon completion of the Certificate of Achievement in Retail Management (WAFC), students will be able to list current problems related to human behavior in organizations and detail management practices effective in managing those issues.
- Upon completion of the Certificate of Achievement in Retail Management (WAFC), students will be able to list resources and strategies for monitoring trends which help identify the need for new products and services.
- Upon completion of the Certificate of Achievement in Retail Management (WAFC), students will be able to summarize measures that can be taken by individuals and organizations to correct organizational dysfunctions.

Supervisory Management - Certificate of Achievement

- Upon completion of the Certificate of Achievement in Supervisory Management, students will be able to analyze basic business documents to detect problems within an area of supervision.
- Upon completion of the Certificate of Achievement in Supervisory Management, students will be able to demonstrate effective strategies for team work, planning, organizing, leading, and controlling human resources.
- Upon completion of the Certificate of Achievement in Supervisory Management, students will be able to identify appropriate information compilation, reporting, storage and retrieval systems for common business situations.
- Upon completion of the Certificate of Achievement in Supervisory Management, students will be able to list the primary responsibilities of a supervisor in business today.

Economics

Economics - AA-T

- Upon completion of the AA-T in Economics, students will be able to explain how market forces of supply and demand lead to efficient allocation of goods, services and factors of production.
- Upon completion of the AA-T in Economics, students will be able to use key economic indicators, such as GDP, CPI and Unemployment Rate, to analyze the economy and explain how monetary and fiscal policies affect short-term fluctuations of economic activity.
- Upon completion of the AA-T in Economics, students will be able to use marginal analysis to explain how individuals in the economy make their production and purchasing decisions.

Health

Public Health Science - AS-T

- Upon successful completion of the AS-T in Public Health Science, students should be able to critically evaluate popular and scientific literature and other media for its significance and impact on individual and public health.
- Upon successful completion of the AS-T in Public Health Science, students should be able to describe factors that contribute to health disparities and leading causes of morbidity and mortality, including factors related to public policy, socioeconomics, and the environment.
- Upon successful completion of the AS-T in Public Health Science, students should be able to develop strategies for initiating and/ or maintaining activities that promote health through individual behavior, civic/community engagement, and/or environmental stewardship.

Kinesiology

Kinesiology – AA-T

- Upon completion of the AA-T 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 AA-T in Kinesiology, the student should be able to identify programs of study within the field of Kinesiology.
- Upon completion of the AA-T in Kinesiology, the student should be able to identify several career pathways associated with the Kinesiology degree.
- Upon completion of the AA-T 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

- Upon completion of the AA in Marketing, students will be able to 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.
- Upon completion of the AA in Marketing, students will be able to construct a detailed marketing plan, which includes all aspects of the marketing mix.
- Upon completion of the AA in Marketing, students will be able to demonstrate knowledge of business operations, the business organization, business environments, and business procedures.

- Upon completion of the AA in Marketing, students will be able to detail available pricing strategies and prepare comparisons of strategies to achieve a firm's market objectives.

Retailing - Certificate of Achievement

- Upon completion of the Certificate of Achievement in Retailing, students will be able to compare and contrast the various pricing strategies.
- Upon completion of the Certificate of Achievement in Retailing, students will be able to determine the demand for products and services offered by a firm and identify potential customers.
- Upon completion of the Certificate of Achievement in Retailing, students will be able to develop pricing strategies with the goal of maximizing the firm's profits and/or market share while ensuring customer satisfaction.
- Upon completion of the Certificate of Achievement in Retailing, students will be able to explain promotional mixes and effective strategies for each.
- Upon completion of the Certificate of Achievement in Retailing, students will be able to identify distinctions between distribution channels.
- Upon completion of the Certificate of Achievement in Retailing, students will be able to identify the primary business operations, business organizational options, and business procedures.
- Upon completion of the Certificate of Achievement in Retailing, students will be able to list resources and strategies for monitoring trends which help identify the need for new products and services.
- Upon completion of the Certificate of Achievement in Retailing, students will be able to 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.

SLPC

Administration of Justice

Administration of Justice - AA

- Upon successful completion of the AA in Administration of Justice, 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 AS-T in Administration of Justice, 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.

Law Enforcement - Certificate of Achievement

- Upon completion of the Certificate of Achievement in Law Enforcement, the student will be able to assume the duties of a basically trained California peace officer and be eligible for duty as a probationary peace officer.

Anthropology

Anthropology - AA-T

- Upon completion of the AA-T in Anthropology, students will be able to deconstruct the biological concept of "race."
- 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

- Upon completion of the Certificate of Achievement in Automotive Chassis, the student should be able to follow safety guidelines while employed in an automotive related job.
- Upon completion of the Certificate of Achievement in Automotive Chassis, the student should be able to use automotive knowledge to diagnose various automotive concerns.

Automotive Drivability- Certificate of Achievement

- Upon completion of the Certificate of Achievement in Automotive Drivability, the student should be able to use automotive knowledge to diagnose various automotive concerns.
- Upon completion of the Certificate of Achievement in Automotive Drivability, the student should be able to follow safety guidelines while employed in an automotive related job.

Automotive Electronics Technology - AS

- Upon completion of the AS in Automotive Electronics Technology, the student should be able to follow safety guidelines while employed in an automotive related job.
- Upon completion of the AS in Automotive Electronics Technology, the student should be able to use automotive knowledge to diagnose various automotive concerns.

Early Care and Education

Associate Teacher - Certificate of Achievement

- Upon completion of the Certificate of Achievement in Associate Teacher, the student will be able to assess children's development through observation, documentation, reflection and interpretation to guide curriculum and intentional teaching.
- Upon completion of the Certificate of Achievement in Associate Teacher, the student will be able to 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.
- Upon completion of the Certificate of Achievement in Associate Teacher, the student will be able to intentionally design inclusive, culturally and linguistically appropriate curriculum to promote positive development for all young children, based on child development, observation and reflection.
- Upon completion of the Certificate of Achievement in Associate Teacher, the student will be able to 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

- Upon completion of the AA in Early Childhood Development, the student will be able to apply ethical standards of behavior accepted by the profession of early childhood education using ongoing self-reflection to guide practices.
- Upon completion of the AA in Early Childhood Development, the student will be able to assess children's development through observation, documentation, reflection and interpretation to guide curriculum and intentional teaching.
- Upon completion of the AA in Early Childhood Development, the student will be able to 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.
- Upon completion of the AA in Early Childhood Development, the student will be able to demonstrate practices that maintain standards of health, nutrition, and safety in early childhood settings.
- Upon completion of the AA in Early Childhood Development, the student will be able to 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.
- Upon completion of the AA in Early Childhood Development, the student will be able to intentionally design inclusive, culturally and linguistically appropriate curriculum to promote positive development for all young children, based on child development, observation and reflection.
- Upon completion of the AA in Early Childhood Development, the student will be able to 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
- Upon completion of the AA in Early Childhood Development, the student will be able to 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

- Upon completion of the Certificate of Achievement in Early Childhood Development, the student will be able to apply ethical standards of behavior accepted by the profession of early childhood education using ongoing self-reflection to guide practices.
- Upon completion of the Certificate of Achievement in Early Childhood Development, the student will be able to assess children's development through observation, documentation, reflection and interpretation to guide curriculum and intentional teaching.
- Upon completion of the Certificate of Achievement in Early Childhood Development, the student will be able to 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.
- Upon completion of the Certificate of Achievement in Early Childhood Development, the student will be able to demonstrate practices that maintain standards of health, nutrition, and safety in early childhood settings.

- Upon completion of the Certificate of Achievement in Early Childhood Development, the student will be able to 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.
- Upon completion of the Certificate of Achievement in Early Childhood Development, the student will be able to intentionally design inclusive, culturally and linguistically appropriate curriculum to promote positive development for all young children, based on child development, observation and reflection.
- Upon completion of the Certificate of Achievement in Early Childhood Development, the student will be able to 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.
- Upon completion of the Certificate of Achievement in Early Childhood Development, the student will be able to 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

- Upon completion of the AS-T in Early Childhood Education, the student will be able to apply ethical standards of behavior accepted by the profession of early childhood education using ongoing self-reflection to guide practices.
- Upon completion of the AS-T in Early Childhood Education, the student will be able to assess children's development through observation, documentation, reflection and interpretation to guide curriculum and intentional teaching.
- Upon completion of the AS-T in Early Childhood Education, the student will be able to 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.
- Upon completion of the AS-T in Early Childhood Education, the student will be able to demonstrate practices that maintain standards of health, nutrition, and safety in early childhood settings.
- Upon completion of the AS-T in Early Childhood Education, the student will be able to intentionally design inclusive, culturally and linguistically appropriate curriculum to promote positive development for all young children, based on child development, observation and reflection.
- Upon completion of the AS-T in Early Childhood Education, the student will be able to 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.
- Upon completion of the AS-T in Early Childhood Education, the student will be able to 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

- Upon completion of the AA in Early Childhood Intervention, the student will be able to assess children's development through observation, documentation, reflection and interpretation to guide curriculum and intentional teaching.
- Upon completion of the AA in Early Childhood Intervention, the student will be able to 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.
- Upon completion of the AA in Early Childhood Intervention, the student will be able to demonstrate practices that maintain standards of health, nutrition, and safety in early childhood settings.
- Upon completion of the AA in Early Childhood Intervention, the student will be able to 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.
- Upon completion of the AA in Early Childhood Intervention, the student will be able to intentionally design inclusive, culturally and linguistically appropriate curriculum to promote positive development for all young children, based on child development, observation and reflection.
- Upon completion of the AA in Early Childhood Intervention, the student will be able to students will develop a personal ECD philosophy after reviewing ECD philosophies and program approaches.
- Upon completion of the AA in Early Childhood Intervention, the student will be able to 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.
- Upon completion of the AA in Early Childhood Intervention, the student will be able to 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

- Upon completion of the Certificate of Achievement in Early Childhood Intervention Assistant, the student will be able to assess children's development through observation, documentation, reflection and interpretation to guide curriculum and intentional teaching.
- Upon completion of the Certificate of Achievement in Early Childhood Intervention Assistant, the student will be able to 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.
- Upon completion of the Certificate of Achievement in Early Childhood Intervention Assistant, the student will be able to demonstrate practices that maintain standards of health, nutrition, and safety in early childhood settings.
- Upon completion of the Certificate of Achievement in Early Childhood Intervention Assistant, the student will be able to intentionally design inclusive, culturally and linguistically appropriate curriculum to promote positive development for all young children, based on child

development, observation and reflection.

- Upon completion of the Certificate of Achievement in Early Childhood Intervention Assistant, the student will be able to 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.
- Upon completion of the Certificate of Achievement in Early Childhood Intervention Assistant, the student will be able to 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.

Emergency Medical Services

Emergency Medical Responder - Career Certificate

- Upon successful completion of the Emergency Medical Responder Career Certificate, the student will be competent and prepared for employment as a Lifeguard, Police Officer, and/or Search and Rescue Squad member.
- Upon successful completion of the Emergency Medical Responder Career Certificate, the student will be competent as an entry-level Emergency Medical Responder in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains with exit points at the Emergency Medical Responder levels and certified to provide Basic Life Support CPR
- Upon successful completion of the Emergency Medical Responder Career Certificate, the student will be prepared to become an Emergency Medical Responder (EMR) through registration with the National Registry of EMT's.

Emergency Medical Services EMT-Paramedic - AS

- Upon successful completion of the AS in Emergency Medical Services EMT-Paramedic, 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 AS in Emergency Medical Services EMT-Paramedic, the student will be prepared and qualified to become a Nationally Registered Paramedic (NRP).

Emergency Medical Services EMT-Paramedic - Certificate of Achievement

- Upon completion of the Certificate of Achievement in Emergency Medical Services EMT-Paramedic, 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 Certificate of Achievement in Emergency Medical Services EMT-Paramedic, the student will be prepared to become a Nationally Registered Paramedic (NRP).

Fire Service Technology

Fire Service Technology - AS

- Upon completion of the AS in Fire Service Technology, students will gain knowledge safety, rescue, emergency medical operations and hazardous materials.

Fire Service Technology - Certificate of Achievement

- Upon completion of the Certificate of Achievement in Fire Service Technology, students will gain knowledge safety, rescue, emergency medical operations and hazardous materials.

History

History - AA-T

- Upon successful completion of the AA-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 AA-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 AA-T in History, the students should be able to use primary and/or secondary sources to argue a historical thesis.

Psychology

Psychology - AA-T

- Upon completion of AA-T in Psychology, the student will be able to apply theories, concepts and findings in psychology for self-understanding, self-improvement, and lifelong learning.
- Upon completion of AA-T in Psychology, the student will be able to demonstrate an understanding of and apply basic research methods in psychology including research design, hypothesis testing, and data interpretation.
- Upon completion of AA-T in Psychology, the student will be able to demonstrate an understanding of the value of sociocultural diversity and individual differences.
- Upon completion of AA-T in Psychology, the student will be able to demonstrate critical thinking skills to assess real-world issues and to solve problems related to behavioral and mental processes.
- Upon completion of AA-T in Psychology, the student will be able to 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.

<p>Sociology</p> <p>Sociology - AA-T</p> <ul style="list-style-type: none"> • Upon completion of AA-T in Sociology, the students should be able to analyze and describe the major concepts, theoretical perspectives, empirical findings, and historical trends in sociology. • Upon completion of AA-T in Sociology, 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.
<p>Welding Technology</p> <p>Welding Technology - AS</p> <ul style="list-style-type: none"> • 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. <p>Welding Technology - Certificate of Achievement</p> <ul style="list-style-type: none"> • 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.
<p>STEM</p> <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"> • Upon completion of the AS in Chemistry, the student 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. • Upon completion of the AS in Chemistry, the student 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"> • Upon completion of the AA in Chemistry Education, the student 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. • Upon completion of the AA in Chemistry Education, the student 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>Computer Information Systems</p>

Administrative Medical Assistant – Certificate of Achievement

- Upon successful completion of the Certificate of Achievement in Administrative Medical Assistant, it is anticipated that students will demonstrate an understanding of basic anatomy, physiology, and disease processes of the human body as it relates to patient medical history.

Computer Applications Software - Certificate Achievement

- Upon successful completion of the Certificate of Achievement in Computer Applications Software (Microcomputers), 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.
- Upon successful completion of the Certificate of Achievement in Computer Applications Software (Microcomputers), it is anticipated that students will be able to analyze a business problem and develop a solution using appropriate application software.

Computer Information Systems - AA

- Upon successful completion of the AA in Computer Information Systems, 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 AA in Computer Information Systems, 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 AS in Computer Information Technologist, 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 AS in Computer Information Technologist, 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 Career Certificate in Project Management, 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 Career Certificate in Project Management, 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 Career Certificate in Web Development, 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 Career Certificate in Web Development, 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 Certificate of Achievement in Cisco Network Associate, students will be able to configure a LAN with routing, Troubleshoot LAN configuration.
- Upon successful completion of the Certificate of Achievement in Cisco Network Associate, students will be able to configure a WAN with routing, Troubleshoot WAN configuration.

Computer Desktop OS Security - Career Certificate

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

Computer Forensics Examiner - Career Certificate

- Upon successful completion of the Career Certificate in Computer Forensics Examiner, students will be able to image and examine evidence in a forensically sound manner.
- Upon successful completion of the Career Certificate in Computer Forensics Examiner, 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 Career Certificate in Computer Network Administration (Microsoft), students will be able to analyze, design and document computer network specifications to meet client needs.
- Upon successful completion of the Career Certificate in Computer Network Administration (Microsoft), students will be able to analyze, design, and document Windows enterprise services to meet client needs.
- Upon successful completion of the Career Certificate in Computer Network Administration (Microsoft), 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 Career Certificate in Computer Network Administration (Microsoft), students will be able to install, configure, and manage client and server operating systems.
- Upon successful completion of the Career Certificate in Computer Network Administration (Microsoft), students will be able to install, configure, and manage network dependencies and services.
- Upon successful completion of the Career Certificate in Computer Network Administration (Microsoft), students will be able to install, configure, and manage Windows client operating systems.
- Upon successful completion of the Career Certificate in Computer Network Administration (Microsoft), students will be able to manage users, computers, and groups in Active Directory.

Computer Network Technician - Career Certificate

- Upon successful completion of the Career Certificate in Computer Network Technician, students will be able to analyze, design and document computer network specifications to meet client needs.
- Upon successful completion of the Career Certificate in Computer Network Technician, 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 Career Certificate in Computer Network Technician, students will be able to install, configure, and manage client and server operating systems.
- Upon successful completion of the Career Certificate in Computer Network Technician, students will be able to install, configure, and manage computer hardware.

Network and Wireless Security - Career Certificate

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

Network Security and Administration - AS

- Upon successful completion of the AS in Network Security and Administration, students will be able to analyze, design, and document computer and network specifications to meet client needs.
- Upon successful completion of the AS in Network Security and Administration, 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 AS in Network Security and Administration, students will be able to explain the basic objectives of cybersecurity and the importance of information security.
- Upon successful completion of the AS in Network Security and Administration, students will be able to install, configure, and manage computer and network hardware.
- Upon successful completion of the AS in Network Security and Administration, students will be able to install, configure, and manage operating systems.

Computer Science

Computer Programming - Certificate of Achievement

- Upon completion of the Certificate of Achievement in Computer Programming, 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 Certificate of Achievement in Computer Programming, 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 Certificate of Achievement in Computer Programming for the Web, students will be able to direct computer operations by writing detailed instructions in computer languages.
- Upon successful completion of the Certificate of Achievement in Computer Programming for the Web, 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 Certificate of Achievement in Computer Programming for the Web, 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 AS in Computer Science, 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 AS in Computer Science, 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 AS in Computer Science, 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.

Engineering

Engineering Technology - AS

- Upon completion of the AS in Engineering Technology, the student will be able to apply written, oral, and graphical communication in both technical and non-technical environments.
- Upon completion of the AS in Engineering Technology, the student will be able to conduct, analyze, and interpret standard tests, measurements, and experiments; and apply experimental result to improve processes.
- Upon completion of the AS in Engineering Technology, the student will be able to function effectively as a member or leader on a technical team.
- Upon completion of the AS in Engineering Technology, the student will be able to select and apply knowledge of math, science, engineering, and technology to engineering technology problems that require the application of principles and applied procedures.
- Upon completion of the AS in Engineering Technology, the student will be able to select and apply the knowledge, techniques, skills, and tools of the discipline to broadly-defined engineering technology activities.

Environmental Studies

Environmental Science - AS

- Upon completion of the AS in Environmental Science, the students must be able to perform and analyze a home Energy Audit.

Environmental Studies - AA

- Upon completion of the AA in Environmental Studies, the students must be able to perform and analyze a home Energy Audit.

Geography

Geography - AA-T

- Upon completion of the AA-T in Geography, the student will be able to assemble and analyze spatial information (maps, data, surveys, qualitative observations, etc), using traditional and modern mapping technology methods
- Upon completion of the AA-T in Geography, the student will be able to demonstrate knowledge of global physical and environmental processes, locations and develop an appreciation of landscapes.

Geology

Geology - AS-T

- Upon completion of the AS-T in Geology, students should be able to demonstrate proficiency in basic earth processes (e.g., plate tectonics).
- Upon completion of the AS-T in Geology, students should be able to demonstrate proficiency in the evaluation and identification of basic earth materials (e.g., rocks and minerals).

Horticulture

PSLO

- 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.

Horticulture - AS

- 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.

Math

Mathematics - AS-T

- 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.

<p>Occupational Safety and Health</p> <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> <ul style="list-style-type: none"> • 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>Physics</p> <p>Physics - AS</p> <ul style="list-style-type: none"> • 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.
<p>Viticulture and Winery Tech</p> <p>Enology - AS</p> <ul style="list-style-type: none"> • Upon successful completion of the AS 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 AS in Enology, the student will have working knowledge of the processes of the chemical analysis of wines. <p>Viticulture - AS</p> <ul style="list-style-type: none"> • Upon successful completion of the AS 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 AS 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 AS 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 AS 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 AS 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. • Upon successful completion of the AS in Viticulture, the student will have proficient knowledge of the seasonal requirements of a working vineyard. <p>Viticulture - Certificate of Achievement</p> <ul style="list-style-type: none"> • 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. <p>Wine Hospitality - Career Certificate</p> <ul style="list-style-type: none"> • Upon completion of the Career Certificate in Wine Hospitality, the student will be able to demonstrate proper wine service. • Upon completion of the Career Certificate in Wine Hospitality, the student will be able to describe a wine's qualities.
<p>STUSVCS</p>
<p>University Transfer: CSU</p>

CSU General Education Breadth - Certificate of Achievement

- Upon completion of the Certificate of Achievement in CSU General Education Breadth, students will be able to critically apply ethical standards to identify problems and create solutions.

University Transfer: IGETC

IGETC (Intersegmental General Education Curriculum) - Certificate of Achievement

- Upon completion of the Certificate of Achievement in IGETC (Intersegmental General Education Curriculum), students will be able to critically apply ethical standards to identify problems and create solutions.