

10 Program Level Outcomes

Degree, Certificate, and General Education

Program Level Outcomes (PLOs) – Degrees & Certificates

Program level outcomes (PLOs) for degrees and certificates represent the knowledge, skills, and/or abilities that students should be able to demonstrate upon completion of a degree or certificate program.

Arts and Cultural Programs Division

ANIMATION – AS DEGREE

- When given a concept design problem, students will employ digital and traditional methods to develop and communicate a concept that is original and visually engaging.
- When given an animation problem, students will employ the use of industry standard 3D software to create an animation that exhibits a knowledge and understanding of the principles of animation.
- When given a specific topic, students will employ the latest digital visualization tools to develop and create a project suitable for a portfolio in the entertainment industry.

ART HISTORY – AA-T DEGREE

- Given a work of art to discuss, students will apply art historical terminology and methodology in its analysis and interpretation.
- Given a comparative analysis prompt, students will discuss works of art representative of diverse cultures and regions within a historical and social context.
- Given an image or set of images to analyze, students will explain how works of art communicate meaning visually.
- Given a visual analysis prompt, students will describe the principles and formal elements of visual art.
- Given an art historical or historical context, students will express an understanding of the roles and functions of art in society.

ART/STUDIO ART DEGREE – AA DEGREE ART/STUDIO ART DEGREE – AA-T DEGREE

- Students will describe and discuss the fundamental or “formal properties” of art: line, positive/negative space, shade/tone, texture, color, etc.

- Students will identify, analyze, and evaluate basic techniques of “process” in a variety of media: drawing, painting, sculpture, printmaking, computer graphics, photography, ceramics, etc.
- Students will produce carefully considered art works to final completion, thereby demonstrating their “practice” of art.

ENTERTAINMENT ART – DIGITAL CHARACTERS – CERTIFICATE

- When given a concept design or illustration problem, students will employ proficient problem-solving skills using research, development, ideation, and sequential art.
- When tasked with a character design, students will employ traditional and digital tools to generate an assortment of concept art, including creatures, characters, and costumes in both 2D and 3D.
- When tasked with the development of a character and story, students will effectively employ anatomy, gesture, staging, and action.
- When given a final concept, students will generate 3D assets using effective polyflow practices to allow for appropriate rendering, animation, and clean unwraps.

ENTERTAINMENT ART – DIGITAL ENVIRONMENT – CERTIFICATE

- When given a concept design or illustration problem, students will employ proficient problem-solving skills using research, development, ideation, and sequential art.
- When tasked with an environmental concept, students will employ traditional and digital tools to create a variety of concept art, including environments, vehicles, and props in both 2D and 3D.
- When tasked with an environmental concept, students will employ efficient and accurate digital drawing and painting skills that demonstrate an understanding of perspective and light logic.
- When given a final concept, students will generate 3D assets using effective polyflow practices to allow for appropriate rendering, animation, and clean unwraps.

GRAPHIC ART AND DESIGN – AA DEGREE

- When completing a graphic art or design project, students will be able to demonstrate fluency in the visual vocabulary and technical skills relevant to graphic art and graphic design.

- When assigned a graphic design project, students will demonstrate an understanding of the design process through research, ideation, development, and presentation of graphic art and graphic design.
- When considering the context of a graphic art and/or graphic design solution, students will understand the cultural, social, and economic environment in which their ideas, products, and strategic solutions apply.
- When evaluating graphic design, students will be able to demonstrate through critiques, discussions, and coursework the principles and elements of design.
- When creating a portfolio of graphic art and/or graphic design work, students will apply professional awareness and understand the physical preparation needed to enter the graphic design workspace.

GRAPHIC DESIGN – AS DEGREE

- When completing a graphic design project, students will be able to demonstrate fluency in the visual vocabulary and technical skills relevant to graphic design.
- When assigned a graphic design project, students will demonstrate an understanding of the design process through research, ideation, development, and presentation of graphic design.
- When considering the context of a graphic design solution, students will understand the cultural, social, and economic environment in which their ideas, products, and strategic solutions apply.
- When evaluating graphic design, students will be able to demonstrate through critiques, discussions, and coursework the principles and elements of design.
- When creating a portfolio of graphic design work, students will apply professional awareness, and understand the physical preparation needed to enter the graphic design workspace.

GRAPHIC DESIGN – CERTIFICATE

- When completing a graphic design project, students will be able to demonstrate efficiency in the visual vocabulary and technical skills relevant to graphic design.
- When assigned a graphic design project, students will demonstrate an understanding of the design process through research, ideation, development, and presentation of graphic design.
- When considering the context of a graphic design solution, students will understand the cultural, social, and economic environment in which their ideas, products, and strategic solutions apply.
- When evaluating graphic design, students will be able to demonstrate through critiques, discussions, and coursework the principles and elements of design.
- When creating a portfolio of graphic design work, students will apply professional awareness, and understand the physical preparation needed to enter the graphic design workspace.

GRAPHIC DESIGN: ADVERTISING DESIGN – CERTIFICATE

- When developing a graphic design advertising project, students will be able to demonstrate a fundamental understanding of basic elements of typography (e.g., fonts, leading, kerning and tracking, etc.).
- When assigned a graphic design advertising project, students will be able to research, conceptualize, render, and create a vector-based design solution.
- When considering the context of a graphic design advertising solution, students will be able to use advanced tools within a raster- and bitmap-based design software program.
- When evaluating graphic design, students will be able to demonstrate through critiques, discussions, and coursework the principles and elements of design.
- When creating a portfolio of graphic design advertising work, students will apply professional awareness, and understand the physical preparation needed to enter the graphic design workspace.

GRAPHIC DESIGN: BRANDING IDENTITY DESIGN – CERTIFICATE

- When developing a graphic design branding and identity project, students will be able to demonstrate a fundamental understanding of basic elements of typography (e.g., fonts, leading, kerning and tracking, etc.).
- When assigned a graphic design branding and identity project, students will be able to research, conceptualize, render, and create a vector-based design solution.
- When assigned a graphic design packaging project, students will be able to research, conceptualize, and render a branding and identity design solution for a client.
- When evaluating graphic design branding and identity design, students will be able to demonstrate through critiques, discussions, and coursework the principles and elements of design.
- When creating a portfolio of graphic design branding and identity work, students will apply professional awareness, and understand the physical preparation needed to enter the graphic design workspace.

GRAPHIC DESIGN: ENTREPRENEURIAL GRAPHIC DESIGN – CERTIFICATE

- When completing a graphic design project, students will be able to demonstrate efficiency in the visual vocabulary and technical skills relevant to graphic design.
- When assigned a graphic design project, students will demonstrate an understanding of the design process through research, ideation, development, and presentation of graphic design.
- When considering the context of a graphic design solution, students will understand the cultural, social, and economic environment in which their ideas, products, and strategic solutions apply.

- When evaluating graphic design, students will be able to demonstrate through critiques, discussions, and coursework the principles and elements of design.
- When creating a portfolio of graphic design work, students will apply professional awareness, and understand the physical preparation needed to enter the graphic design workspace.
- When creating a small graphic design business, students will apply professional awareness, and understand the physical preparation needed to enter the graphic design workspace.
- When developing a small graphic design business, students will apply professional awareness, and demonstrate and apply marketing needed to enter the graphic design workspace.
- When developing a small graphic design business, students will apply professional awareness, and create a basic business plan needed to enter the graphic design workspace.

**GRAPHIC DESIGN:
PACKAGING DESIGN – CERTIFICATE**

- When developing a graphic design packaging design project, students will be able to demonstrate a fundamental understanding of basic elements of typography (e.g., fonts, leading, kerning and tracking, etc.).
- When assigned a graphic design packaging design project, students will be able to research, conceptualize, render, and create a vector-based design solution.
- When assigned a graphic design packaging design project, students will be able to use advanced tools and menus within a package software program to produce packaging design solutions.
- When evaluating graphic design packaging design, students will be able to demonstrate through critiques, discussions, and coursework the principles and elements of design.
- When creating a portfolio of graphic design packaging design work, students will apply professional awareness, and understand the physical preparation needed to enter the graphic design workspace.

**GRAPHIC DESIGN:
PUBLICATION DESIGN – CERTIFICATE**

- When developing a graphic design publication design project, students will be able to demonstrate a fundamental understanding of basic elements of typography (e.g., fonts, leading, kerning and tracking, etc.).
- When assigned a graphic design publication design project, students will be able to use fundamental tools and menus within a publication design software program.
- When evaluating graphic design publication design, students will be able to demonstrate through critiques, discussions, and coursework the principles and elements of design.

- When creating a portfolio of graphic design publication design work, students will apply professional awareness, and understand the physical preparation needed to enter the graphic design workspace.

**GRAPHIC DESIGN:
WEBSITE DESIGN – CERTIFICATE**

- When developing a website design project, students will be able to demonstrate a fundamental understanding of basic elements of typography (e.g., fonts, leading, kerning and tracking, etc.).
- When assigned a website design project, students will be able to use advanced tools within a raster- and bitmap-based design software program.
- When assigned a website design project, students will be able to use advanced tools and menus within website design software programs to produce website design solutions.
- When evaluating website design, students will be able to demonstrate through critiques, discussions, and coursework the principles and elements of design.
- When creating a portfolio of website design work, students will apply professional awareness, and understand the physical preparation needed to enter the website design workspace.

MUSIC – AA DEGREE

MUSIC – AA-T DEGREE

- Students will demonstrate a second-year undergraduate level competency in piano performance and piano literature.
- Students will demonstrate the ability to perform in a large ensemble, chamber group, or as a soloist through blending, playing in tune and adhering to articulations and dynamics while conducting or being conducted in many different styles and periods.
- Students will demonstrate a second-year undergraduate level competency in music theory and musicianship through four-part chorale writing, analysis, audiation, and dictation of baroque through contemporary music styles.
- Students will demonstrate an understanding of the cultural, socioeconomic, and political implications of music history from antiquity through contemporary music styles.
- Students will demonstrate a basic understanding and practical knowledge of music technology.

**MUSIC AND INTEGRATED TECHNOLOGY
– AS DEGREE**

- Students will be able to demonstrate an understanding of how the music business functions, and the role of professionals in the industry.
- Students will be able to demonstrate a basic understanding and practical knowledge of music technology in the areas of music production, studio recording, and live sound reinforcement.

- Students will be able to demonstrate a basic understanding of the creative processes for songwriting and electronic music production.
- Students will be able to demonstrate a first-year undergraduate level competency in music theory and musicianship through four-part chorale writing, analysis, audiation, and dictation of diatonic music examples.
- Students will be able to demonstrate an understanding of the cultural, socio-economic, and political implications of contemporary music history.

MUSIC: INTRODUCTORY ELECTRONIC MUSIC – CERTIFICATE

- Students will be able to produce electronic music in specified genres.
- Students will be able to compose electronic music utilizing various types of synthesis and samples.
- Students will be able to create electronic music utilizing various digital and analog formats.
- Students will be able to demonstrate an understanding of how the music business functions and the role of professionals in the industry.
- Students will be able to demonstrate a basic understanding and practical knowledge of music technology in the areas of music production, studio recording, and live sound reinforcement.

MUSIC: ADVANCED ELECTRONIC MUSIC – CERTIFICATE

- Students will be able to write complex electronic music incorporating contemporary harmony and modern compositional processes.
- Students will be able to compose electronic music utilizing various types of advanced synthesis.
- Students will be able to program mapping for various gesture controllers.
- Students will be able to demonstrate a second-year undergraduate level competency in music theory and musicianship through four-part chorale writing, analysis, audiation, and dictation of diatonic music examples.
- Students will be able to collaborate effectively through group project-based learning.

MUSIC: INTRODUCTORY SONGWRITING AND ARRANGING – CERTIFICATE

- Students will be able to compose original songs and lyrics in specified genres.
- Students will be able to analyze basic songs in order to identify genre, form, structure, groove, and lyrical elements.
- Students will be able to create a lead sheet for original compositions.
- Students will be able to demonstrate an understanding of how the music business functions and the role of professionals in the industry.

- Students will be able to demonstrate a basic understanding and practical knowledge of music technology in the areas of music production, studio recording, and live sound reinforcement.

MUSIC: ADVANCED SONGWRITING AND ARRANGING – CERTIFICATE

- Students will be able to write complex songs by incorporating contemporary harmony and form.
- Students will be able to analyze complex songs in order to identify genre, form, structure, groove, and lyrical elements.
- Students will be able to create a lead sheet, score, and parts for strings, horn section, and back-up harmonies.
- Students will be able to compose melodies and their accompaniment using harmony or counterpoint.
- Students will be able to demonstrate a second-year undergraduate level competency in music theory and musicianship through four-part chorale writing, analysis, audiation, and dictation of diatonic music examples.
- Students will be able to collaborate effectively through group project-based learning.

MUSIC: INTRODUCTORY SOUND DESIGN – CERTIFICATE

- Students will be able to demonstrate an understanding of how the music business functions and the role of professionals in the industry.
- Students will be able to demonstrate a basic understanding and practical knowledge of music technology in the areas of music production and studio recording.
- Students will be able to use basic approaches to digital signal processing (DSP) and synthesis to generate and sculpt sound.
- Students will be able to work in an intermediate-level, collaborative sound designing environment to produce a successful deliverable.

MUSIC: ADVANCED SOUND DESIGN – CERTIFICATE

- Students will be able to demonstrate an advanced understanding and knowledge of music technology in the areas of music production and studio recording.
- Students will be able to use more complex approaches to digital signal processing (DSP) and synthesis to generate and sculpt sound.
- Students will be able to work in an advanced-level, collaborative sound designing environment to produce a successful deliverable.
- Students will be able to explain advanced theoretical principles and concepts necessary to create complex sounds.

MUSIC: LIVE SOUND ENGINEER – CERTIFICATE

- Students will be able to demonstrate an understanding of how the music business functions and the role of professionals in the industry.
- Students will be able to demonstrate a basic understanding and practical knowledge of music technology in the areas of music production and studio recording.
- Students will be able to demonstrate how to set up, test, tune, and troubleshoot a live sound reinforcement system.
- Students will be able to demonstrate specific tasks that include operating a front-of-house mix and stage monitors from a side-stage mixing board, and performing tasks that include audio feedback as well as communication with musicians.
- Students will be able to collaborate effectively through group project-based learning.

MUSIC: RECORDING ENGINEER – CERTIFICATE

- Students will be able to demonstrate an understanding of how the music business functions and the role of professionals in the industry.
- Students will be able to use digital audio workstation (DAW) software for recording and non-linear audio editing.
- Students will be able to set up, record, and document a recording session.
- Students will be able to collaborate effectively through group project-based learning.

MUSIC: MUSIC PRODUCTION – CERTIFICATE

- Students will be able to demonstrate an understanding of how the music business functions and the role of professionals in the industry.
- Students will be able to provide leadership as a post-production team member by giving direction to and working with engineers, managers, and performers.
- Students will be able to organize, conduct, and produce a recording session.
- Students will be able to collaborate effectively through group project-based learning.

MUSIC: MUSIC COMPOSITION – CERTIFICATE

- Students will be able to demonstrate an understanding of how the music business functions and the role of professionals in the industry.
- Students will be able to demonstrate a second-year undergraduate level competency in music theory and musicianship through four-part chorale writing, analysis, audiation, and dictation of diatonic music examples.
- Students will be able to utilize contemporary compositional styles and techniques for the purpose of training for work as composers in the music as well as scoring films, video games, and other media.

- Students will be able to analyze complex musical compositions.

PHOTOGRAPHY – AA DEGREE

- Río Hondo photography majors will create properly exposed photographs that demonstrate effective control of aperture, shutter speed, and ISO settings in various lighting situations.
- Students will demonstrate an understanding of the safe and proper use of equipment including cameras, darkroom, lighting, and digital equipment.
- Students will identify basic principles of photographic composition and apply these elements in the creation of photographic images.
- Students will recognize and identify important historic photographic genres based on their formal and conceptual elements.
- Students will demonstrate visual literacy by verbally analyzing both the formal and conceptual properties of photographic works utilizing appropriate photographic vocabulary.
- Students will create a portfolio of photographic work that demonstrates an understanding of print finishing and presentation.

THEATER ARTS – AS DEGREE

THEATER ARTS – AA-T DEGREE

- All Theatre Arts majors will identify basic theatre vocabulary and terminology (for example, stage directions and theatre genres).
- Students will demonstrate an understanding of basic backstage practices and procedures.
- Students will memorize and perform a live scene successfully.

Behavioral and Social Science Division

ANTHROPOLOGY – AA-T DEGREE

- Students will analyze and interpret anthropological data and theories.
- Students will apply cross-cultural methods of analysis.
- Students will demonstrate an understanding of anthropological information.

CHICANO STUDIES – AA DEGREE

- Students will (1) define and explain the basic terms and concepts with the field of Chicano/a Studies; (2) identify and analyze at minimum two contemporary issues affecting the Chicano/a/Latinx community.

CHILD DEVELOPMENT – AS DEGREE

- Students will explain and demonstrate the principles of developmentally appropriate practice while planning for and interacting with children in the early childhood classroom.

CHILD DEVELOPMENT – CERTIFICATE

- Students will explain and demonstrate the principles of developmentally appropriate practice while planning for and interacting with children in the early childhood classroom.

DRUG STUDIES – AS DEGREE

- Students will demonstrate an understanding of concepts, theories, and techniques that are foundational to the practice of addiction treatment.
- Students will demonstrate an understanding of assessment methods, treatment planning, and case management.
- Students will demonstrate an understanding of recovery-oriented behavior in addiction treatment management.
- Students will demonstrate an understanding of ethical practices in addiction treatment.

DRUG STUDIES – CERTIFICATE

- Students will demonstrate an understanding of concepts, theories, and techniques that are foundational to the practice of addiction treatment.
- Students will demonstrate an understanding of assessment methods, treatment planning, and case management.
- Students will demonstrate an understanding of recovery-oriented behavior in addiction treatment management.
- Students will demonstrate an understanding of ethical practices in addiction treatment.

GENERAL STUDIES: SOCIAL BEHAVIOR AND SELF-DEVELOPMENT – AA DEGREE

- Students will think critically in order to understand social issues.

GENERAL STUDIES: SOCIAL SCIENCES – AA DEGREE

- Students will think critically in order to understand social issues.
- Students will recognize verbally or in writing the basic vocabulary and concepts of at least one social or behavioral science discipline.

HISTORY – AA-T DEGREE

- Students will demonstrate command of historical chronology and basic literacy of key events associated with the study of the past.
- Students will accurately identify historical sources and then apply appropriate historical methods to explain what the source reveals about its historical context.
- Students will accurately describe, compare, and evaluate historical interpretations (secondary sources), analyzing them for their relative quality, accuracy, and persuasiveness.

PHILOSOPHY – AA-T DEGREE

- Given previous instruction in a philosophical theory, students will correctly identify and explain the basic elements of that theory.

- Students will demonstrate an ability to read and comprehend philosophical texts by accurately identifying the main point and supporting points.
- Students will apply the basic elements of a philosophical theory to a real world scenario.
- Students will develop/articulate a critical understanding of the work of Western philosophers, demonstrating through competent paraphrase.
- Students will defend a philosophical position or argument.
- Students will evaluate the validity of a deductive argument.
- Students will evaluate the strength of an inductive argument.
- Students will reason effectively.

PRESCHOOL TEACHER – CERTIFICATE

- Students will explain and demonstrate the principles of developmentally appropriate practice while planning for and interacting with children in the early childhood classroom.

PSYCHOLOGY – AA-T DEGREE

- Given research findings and theories in psychology, students will describe and/or evaluate the role that genetics and environment play in different behaviors.
- Students will compare and contrast the experimental method to other types of inquiry.
- Students will identify the important historical figures in psychology and explain their key contributions to the field.

SOCIOLOGY – AA-T DEGREE

- Students will understand the foundations of Sociology as a discipline.
- Students will have a broad understanding of society and social behavior.
- Students will understand the importance of social and historical contexts.
- Students will demonstrate basic social analysis skills.

Business Division

ACCOUNTING – AS DEGREE

- Students will demonstrate an understanding of basic accounting principles and procedures as well as the role of accounting and bookkeeping within various business organizations.
- Students will apply critical thinking skills derived from knowledge of accounting theory to financial analysis and management decision making.
- Students will recognize and understand the importance of ethics and social responsibility in the accounting profession.

- Students will analyze, process, and report financial information in accordance with generally accepted accounting principles within established normal and computerized protocols.
- Students will relate material from completed courses to their current and future professional needs, even if these needs fall into a different discipline.

ACCOUNTING – CERTIFICATE

- Students will demonstrate an understanding of basic accounting principles and procedures, as well as the role of accounting and bookkeeping within various business organizations.
- Students will apply critical thinking skills derived from knowledge of accounting theory to financial analysis and management decision making.
- Students will recognize and understand the importance of ethics and social responsibility in the accounting profession.
- Students will analyze, process, and report financial information in accordance with generally accepted accounting principles within established normal and computerized protocols.

ACCOUNTING FOR GOVERNMENT AND NONPROFIT ORGANIZATIONS – CERTIFICATE

- Students will develop a comprehensive understanding of accounting as an “information system.”
- Students will record and analyze business transactions using accounting software.
- Students will distinguish between the main objectives for commercial entities, government entities, and not-for-profit entities.
- Students will identify, compare, and explain the basic fund types for state and local governmental accounting.
- Students will describe and analyze how accounting concepts apply to state and local governmental accounting.
- Students will prepare basic governmental and not-for-profit budgetary, operating, and closing entries.

BUSINESS ADMINISTRATION – AA DEGREE

- Students will evaluate the use of financial budgeting concepts to make sound decisions in managing business finances through the preparation of financial statements, recording and posting journal entries, and transforming data into information.
- Students will demonstrate an understanding of economic principles by differentiating between micro and macro economics, explaining supply and demand, and applying economic principles to make business decisions.
- Students will use statistical and mathematical expressions to make general statements about populations of customers and make numeric business decisions.

BUSINESS MARKETING – AS DEGREE AND CERTIFICATE

- Students will analyze a business situation by conducting a SWOT analysis (strengths, weaknesses, opportunities and threats) and utilize the outcomes to make business decisions.
- Students will create a marketing plan that explains the marketing mix and defines the appropriate target market.
- Given a business marketing situation, students will identify the most profitable segments of the market, define the logical target market, and describe how the business of product will be positioned.

COMPUTER INFORMATION TECHNOLOGY: COMPUTER SYSTEMS – AS DEGREE AND CERTIFICATE

- Students will demonstrate basic computer literacy skills including operating input/output devices and proficiency in the Microsoft Office applications suite.
- Students will apply critical-thinking and problem-solving skills required by employers and four-year universities.
- Students will analyze a problem and identify and define the computing requirements required for its solution.

COMPUTER INFORMATION TECHNOLOGY: CLOUD COMPUTING PRACTITIONER – CERTIFICATE

- Students will apply critical-thinking and problem-solving skills in a cloud computing environment.
- Students will learn installation and configuration of cloud computing resources for an enterprise environment.
- Students will understand the architectural principles required to build a cloud system that meets identified technical requirements.
- Student will demonstrate basic knowledge of the cybersecurity principles of confidentiality, integrity, and availability (CIA).

COMPUTER INFORMATION TECHNOLOGY: CYBERSECURITY – AS DEGREE AND CERTIFICATE

- Students will demonstrate knowledge of security policies for businesses.
- Students will understand objectives of security policies for businesses and the IT infrastructure of these policies.
- Students will demonstrate proficiency in IT infrastructure security.
- Students will learn to identify risks and use tools for the prevention, detection, and mitigation of threats to computer systems; and the recovery and accountability of systems.
- Students will apply critical-thinking skills in applying cybersecurity solutions.

**COMPUTER INFORMATION TECHNOLOGY:
CYBERSECURITY TECHNICIAN – CERTIFICATE**

- Students will demonstrate knowledge of security policies for businesses.
- Students will understand objectives of security policies for businesses and the IT infrastructure of these policies.
- Students will demonstrate proficiency in IT infrastructure security.
- Students will learn to identify risks and use tools for the prevention, detection, and mitigation of threats to computer systems; and the recovery and accountability of systems.

**COMPUTER INFORMATION TECHNOLOGY:
CYBERSECURITY ETHICAL HACKER
– CERTIFICATE**

- Students will demonstrate knowledge of security policies for businesses.
- Students will understand objectives of security policies for businesses and the IT infrastructure of these policies.
- Students will demonstrate proficiency in IT infrastructure security.
- Students will learn to identify risks and use tools for the prevention, detection, and mitigation of threats to computer systems; and the recovery and accountability of systems.
- Students will demonstrate knowledge of the tools and resources used to attack business vulnerabilities and align proper mitigations.

**COMPUTER INFORMATION TECHNOLOGY:
INFORMATION SYSTEMS AND TECHNOLOGY –
AS DEGREE AND CERTIFICATE**

- Students will demonstrate problem-solving skills in a business environment.
- Students will demonstrate fundamentals of business operations.
- Students will demonstrate basic knowledge of policies and procedures for securing a business environment.

**COMPUTER INFORMATION TECHNOLOGY:
NETWORK ADMINISTRATOR – AS DEGREE
AND CERTIFICATE**

- Students will demonstrate knowledge of the architectural principles of computer networks in a business environment.
- Students will apply critical-thinking and problem-solving skills in a computer network environment.
- Students will demonstrate basic knowledge of the cybersecurity principles of confidentiality, integrity, and availability (CIA).

**COMPUTER INFORMATION TECHNOLOGY:
NETWORK TECHNICIAN – CERTIFICATE**

- Students will demonstrate knowledge of computer networks in a business environment.

- Students will demonstrate basic knowledge of the cybersecurity principles of confidentiality, integrity, and availability (CIA).

**COMPUTER INFORMATION TECHNOLOGY
OFFICE TECHNOLOGIES – AS DEGREE
AND CERTIFICATE**

- Students will demonstrate computer literacy skills including the use of input/output devices and basic Windows operating system (OS) navigation.
- Students will demonstrate proficiency in using industry-leading suites of office applications.
- Students will apply critical-thinking and problem-solving skills in an office environment.

**COMPUTER INFORMATION TECHNOLOGY:
SYSTEM ADMINISTRATOR – AS DEGREE
AND CERTIFICATE**

- Students will demonstrate knowledge of client and server operating systems.
- Students will demonstrate basic knowledge of the cybersecurity principles of confidentiality, integrity, and availability (CIA).
- Students will apply critical-thinking and problem-solving skills in a computer system environment.
- Students will demonstrate knowledge of the architectural principles of on-premise, cloud, and hybrid computer networks in a business environment.

**COMPUTER INFORMATION TECHNOLOGY:
MICROCOMPUTER SPECIALIST – CERTIFICATE**

- Students will demonstrate basic computer literacy including input/output devices and Microsoft Office suite of applications.
- Students will demonstrate advanced knowledge of spreadsheet and word processing applications as utilized in the business environment
- Students will apply critical thinking and problem-solving skills required by employers and four- year universities in a professional office environment.

COMPUTER SCIENCE – AS-T DEGREE

- Students will demonstrate an ability to use math, physics, and logic for solving problems in technology.
- Students will complete lower division courses for transfer to a CSU or other four-year institution.
- Students will design and write usable and effective computer programs using a high level language.

**COMPUTERIZED ACCOUNTING SYSTEMS –
CERTIFICATE**

- Students will gain competencies that will lead to success working as an accounting clerk utilizing computerized accounting systems.
- Students will utilize a sequence of courses with industry-advised curriculum input that will lead to improvement of entry level skills and abilities of future employees.

- Students will identify career ladder opportunities in the accounting industry.
- Students will demonstrate an understanding of how to utilize different functions of the accounting software package by generating accounting reports and interpreting the resulting information.
- Students will record and analyze accounts receivable, accounts payable, invoicing, payroll, inventory, and project costing transactions using QuickBooks software.
- Students will complete the accounting cycle using the QuickBooks software.
- Students will prepare GAAP – required financial statements.
- Students will demonstrate an understanding of financial analysis using reports generated from the accounting software.

INCOME TAX PREPARER – CERTIFICATE OF SKILL PROFICIENCY

- Students will analyze and explain the federal and California state tax structures as they apply to individuals and small businesses.
- Students will prepare federal and state income tax returns for individuals and small business.
- Students will gather, identify, examine, sort, and classify information required for filing individual income tax returns.
- Students will apply basic tax law and determine filing requirements for actual tax returns.
- Students will use TaxWise software to accurately file individual federal and state income tax returns within the scope of the VITA program.
- Students will develop a system of quality control for the tax preparation process.
- Students will communicate effectively with taxpayers when explaining tax return results.

INTERNATIONAL BUSINESS – AS DEGREE AND CERTIFICATE

- Students will strengthen their skills to present a thorough review of the potential benefits, costs, and risks of doing business abroad and how the political, economic, and legal systems of countries vary.
- Students will analyze management ethical issues and cultural sensitivities in global business.
- Students will apply integrated marketing strategies with customers, partners, and regulators in the global marketplace.
- Students will describe international trade processes and the functions of the foreign exchange market.

LOGISTICS MANAGEMENT– AS DEGREE

- Student will know the role and historical development of supply chain management and integrated logistics functions.

- Students will know the relationship between operations, warehousing, distribution centers, and materials management.
- Students will know the importance of sound inventory management principles.
- Students will contribute to process improvement projects.

LOGISTICS MANAGEMENT – CERTIFICATE

- Students will know the role and historical development of supply chain management and integrated logistics functions.
- Students will know the relationship between operations, warehousing, distribution centers, and materials management.
- Students will know the importance of sound inventory management principles.
- Students will contribute to process improvement projects.

MANAGEMENT & SUPERVISION – AS DEGREE

- Students will identify the concepts of organizational design and behavior of organizations at the supervisory level.
- Students will describe how technology and globalization affect the supervisor’s job.
- Students will describe the term “360-degree appraisal” and apply the appropriate methods of motivation in an organizational setting.
- Students will explain the effect of workforce diversity on motivating employees.

MANAGEMENT & SUPERVISION – CERTIFICATE

- Students will identify the concepts of organizational design and behavior of organizations at the supervisory level. Students will describe how technology and globalization affect the supervisor’s job.
- Students will describe the term “360-degree appraisal” and apply the appropriate methods of motivation in an organizational setting.
- Students will explain the effect of workforce diversity on motivating employees.

RETAIL MANAGEMENT – CERTIFICATE

- Students will explain the challenges and opportunities of managing a diverse workforce in a retail environment through their understanding of leadership and management models, motivation and reward theory, and conflict resolution techniques.
- Students will demonstrate their knowledge of financial management and budgeting by applying basic math skills to calculate retail math equations; making business decisions using these calculations; and preparing pro-forma financial statements.
- Students will demonstrate proper communication and critical thinking skills through written and oral assignments. Skill sets demonstrated will include

document editing, preparation of business reports, and proper use of the communication process.

SMALL BUSINESS/ENTREPRENEURIALISM – AS DEGREE

- Students will develop an effective business plan by using guerrilla marketing strategies and basic financial statements.
- Students will distinguish between the debt vs. equity finance options.
- Students will explain the essential importance of cash flow planning for small business operations.
- Students will use break-even analysis to evaluate a marketing plan.

SMALL BUSINESS/ENTREPRENEURIALISM – CERTIFICATE

- Students will develop an effective business plan by using guerrilla marketing strategies and basic financial statements.
- Students will distinguish between the debt vs. equity finance options.
- Students will explain the essential importance of cash flow planning for small business operations.
- Students will use break-even analysis to evaluate marketing plan.

Career and Technical Education Division

ALTERNATIVE ENERGY TECHNOLOGY – AS DEGREE

- The skills developed during classes will enhance students' ability to complete the North American Board of Certified Energy Practitioners (NABCEP) and to become a specialist in the Solar Photovoltaic industry.
- The Degree will prepare students for transfer and/or entry-level employment as an alternative energy technician within the renewable energy/green technology field.
- Students will have the knowledge and skills necessary to install residential and commercial solar and wind power systems.
- Students will know and understand green building design principles and also have the skills to successfully perform residential and commercial/industrial energy audits.

ALTERNATIVE ENERGY TECHNOLOGY – CERTIFICATE

- The skills developed during classes will enhance students' ability to complete the North American Board of Certified Energy Practitioners (NABCEP) and to become a specialist in the solar photovoltaic industry.
- The certificate will prepare an individual for entry-level employment as an alternative energy technician within the renewable energy/green technology field.

- Students will have the knowledge and skills necessary to install residential and commercial solar and wind power systems.

ALTERNATIVE FUELS AND ADVANCED TRANSPORTATION TECHNOLOGY – AS DEGREE

- Students will access legal rules and regulations from a variety of resources (state and federal), providing the opportunity to acquire the knowledge and hand skills demanded of modern transportation specialists.
- Students will be able to describe and demonstrate simulated on-the-job conditions regarding the nine congressional alternative fuel sources.
- Students who complete the career path cartographically examine and assemble information for a target audience who might use the alternative fuel types.
- Regardless of career path (private, government, or fleet) the Alternative Fuels AS degree or CoA student obtains transferable credit to a university and points towards qualifying as a certified CSA Fuel Tank Inspector.
- Students will be able to pass the safety requirements with complete knowledge of NFPA, CSA, CGA 6.4, and OSHA standards.

ALTERNATIVE FUELS AND ADVANCED TRANSPORTATION TECHNOLOGY – CERTIFICATE

- Students who complete the career path cartographically examine and assemble information for a target audience who might use the alternative fuel types.
- Regardless of career path (private, government, or fleet) the Alternative Fuels AS Degree or CoA student obtains transferable credit to a university and points towards qualifying as a certified CSA Fuel Tank Inspector.
- Students are capable of describing applications in all nine alternative fuel areas (compressed, liquid, generated electrical, and biodiesel).
- Students will access legal rules and regulations from a variety of resources (state and federal), providing the opportunity to acquire the knowledge and hand skills demanded of modern transportation specialists.
- Students will be able to pass the safety requirements with complete knowledge of NFPA, CSA, CGA 6.4, and OSHA standards.

ARCHITECTURAL DESIGN AND DRAWING – AS DEGREE

- Given various visual communication technologies, such as traditional drafting, CADD, and BIM (Building Information Modeling); industry standards such as AIA and AEC (Architectural, Engineering and Construction); graphic standards and the building code, students will effectively communicate graphically, and understand and interpret design concepts and criteria for various disciplines related to the AEC industry.
- Students will be prepared for industry employment and advancement within a variety of related AEC professions.

- Students will be prepared to transfer to advanced fields of study in related occupations.

ARCHITECTURAL DESIGN AND DRAWING TECHNICIAN – CERTIFICATE

- Given various visual communication technologies, such as traditional drafting, CADD, and BIM (Building Information Modeling); industry standards such as AIA and AEC (Architectural, Engineering and Construction); graphic standards and the building code, students will effectively communicate graphically, and understand and interpret design concepts and criteria for various disciplines related to the AEC industry.
- Students will be prepared for industry employment and advancement within a variety of related AEC professions.

ARCHITECTURE – AS DEGREE

- Given various visual communication technologies, such as traditional drafting, sketching, CADD, BIM (Building Information Modeling); perspective drawing, and three-dimensional model development; industry standards such as AIA and AEC (Architectural, Engineering and Construction); graphic standards, and the building code, students will effectively understand, communicate, and interpret design concepts and criteria for various disciplines related to the AEC industry.
- Students will be prepared to transfer to advanced fields of study in architecture-related occupations.

AUTOMOTIVE GENERAL SERVICE TECHNICIAN – CERTIFICATE

- Students will work safely and identify safety and health hazards in an automotive service and repair facility.
- Students will communicate effectively, both verbally and through the written word, in an automotive service and repair environment.
- Students will properly use and care for automotive service and repair tools and equipment.
- Students will research, read, and use automotive service and repair literature, both in print and in electronic format.
- Students will identify, analyze, and evaluate general automotive service and repair issues to determine concern, cause, and correction.

AUTOMOTIVE TECHNOLOGY – AS DEGREE

- Students will work safely and identify safety and health hazards in an automotive service and repair facility.
- Students will be able to communicate effectively, both verbally and through the written word, in an automotive service and repair environment.
- Students will be able to properly use and care for automotive service and repair tools and equipment.
- Students will research, read, and use automotive service and repair literature, both in print and in electronic format.

- Students will identify, analyze, and evaluate specific automotive service and repair issues to determine concern, cause, and correction.

CARPENTRY: CONCRETE FORMING – AS DEGREE

- Students will accurately perform tests to confirm concrete quality.
- Students will demonstrate journey-level skills, including those skills necessary to build all concrete infrastructures.
- Students will correctly interpret building codes, plans, and specifications as they apply to the trade.
- Students will place and finish concrete in a professional manner.
- Students will cut, patch, maintain, and repair concrete structures.
- Students will perform assigned tasks in accordance with established industry quality and production standards.

CARPENTRY: CONCRETE FORMING – CERTIFICATE

- Students will demonstrate journey-level skills, including those skills necessary to build all concrete infrastructures.
- Students will successfully measure, cut, and shape wood, plastic, and other building materials.
- Students will erect, level, and install building framework including walls, floors, and doorframes.
- Students will perform assigned tasks in accordance with established industry quality and production standards.

CARPENTRY: GENERAL – AS DEGREE

- Students will accurately utilize industry-specific nomenclature of the craft in written or oral communication.
- Students will safely operate and maintain tools and equipment of the trade.
- Students will demonstrate the ability to interpret project plans, utilize software and technology, and determine appropriate construction methods and building techniques.
- Students will assess suitability (i.e., type, size, and grade) of materials and hardware to accurately determine materials lists for a given application.
- Students will apply the proper construction sequence and building codes for a given application.
- Students will analyze building flaws, provide solutions, and take corrective measures.

CARPENTRY: GENERAL – CERTIFICATE

- Students will accurately utilize industry-specific nomenclature of the craft in written or oral communication.
- Students will demonstrate a working knowledge of core equipment, safety, and installation procedures within the carpentry field.

- Students will demonstrate the ability to interpret project plans, utilize software and technology, and determine the appropriate construction methods and building techniques.
- Students will accurately perform basic, trade-related installations and maintenance.

CARPENTRY: SCAFFOLD CONSTRUCTION – AS DEGREE

- Students will accurately utilize industry-specific nomenclature of the craft in written or oral communication.
- Students will safely operate and maintain tools and equipment of the trade.
- Students will demonstrate the ability to interpret project plans, utilize software and technology, and determine appropriate construction methods and scaffolding techniques.
- Students will assess appropriateness of scaffold type, size, accessories, component parts, and hardware; and determine materials lists and staging for a given application.
- Students will apply the proper assembly/disassembly sequence and follow manufacturers' load charts and safety code requirements for a given application.
- Students will analyze potential design flaws and overloading to provide solutions and take corrective measures.

CARPENTRY: SCAFFOLD CONSTRUCTION – CERTIFICATE

- Students will accurately utilize industry-specific nomenclature of the craft in written or oral communication.
- Students will identify and explain the types and importance of scaffolding in general construction.
- Students will be able to safely and correctly erect and dismantle various scaffolding systems.
- Students will demonstrate the ability to interpret project plans, utilize software and technology, and determine appropriate construction methods and scaffolding techniques.

CIVIL DESIGN & DRAWING – CERTIFICATE

- Given various visual communication technologies, such as traditional drafting and CADD; and industry standards, such as AEC Graphic Standards, students will effectively communicate, understand, and interpret design concepts and criteria for the civil engineering field.
- Students will be prepared for industry employment and advancement within a variety of related professions, such as civil engineering, construction engineering, structural engineering, transportation engineering, and geotechnical engineering.

CIVIL DESIGN TECHNOLOGY – AS DEGREE

- Given various visual communication technologies, such as traditional drafting and CADD; and industry standards, such as AEC Graphic Standards, students will effectively communicate, understand, and interpret design concepts and criteria for the civil engineering field.
- Students will be prepared for industry employment and advancement within a variety of related professions, such as civil engineering, construction engineering, structural engineering, transportation engineering, and geotechnical engineering.
- Students will be prepared to transfer to advanced fields of study in related occupations.

CIVIL DESIGN TECHNOLOGY – CERTIFICATE

- Given various visual communication technologies, such as traditional drafting and CADD; and industry standards, such as AEC Graphic Standards, students will be able to effectively communicate, understand, and interpret design concepts and criteria for the civil engineering field.
- Students will be prepared for industry employment and advancement within a variety of related professions, such as civil engineering, construction engineering, structural engineering, transportation engineering, and geotechnical engineering.

CONSTRUCTION ENGINEERING MANAGEMENT – AS DEGREE

- Students will demonstrate a knowledge of the various documents typically included in a set of construction documents for civil engineering projects, including plans, notes, details, and specifications.
- Students will demonstrate the ability to prepare basic construction documents for buildings and other similar construction projects in accordance with building, planning, and related codes.
- Students will demonstrate a broad knowledge of the numerous yet related subdisciplines within the field of civil engineering and show familiarity with typical basic tasks as accomplished by licensed civil engineers within those subdisciplines.
- Students will use experience with statistical methods and apply basic cost accounting concepts to proposed construction projects for bidding and other financial considerations.
- Students will exhibit a knowledge of typical construction materials used in development projects including wood, steel, and concrete. Such knowledge will include specifying, mixing, sampling, and testing of concrete for buildings and similar construction projects.
- Students will exhibit a knowledge of engineering statics as it relates to the design and construction of buildings and related constructs.

ELECTRONIC TECHNOLOGY – AS DEGREE

- Students will be able to become specialists in the applied electronics industry.

- Students will be prepared for transfer and/or entry-level employment as electronics technicians.

ELECTRONIC TECHNOLOGY – CERTIFICATE

- Students training in theory and practical skills will demonstrate the necessary requirements for preparation as electronics technicians.
- Student will acquire the knowledge and hands-on skills demanded of modern electronics technicians.
- Students will have the knowledge and skills necessary to gain entry-level employment in the applied electronics industry.

ENGINEERING DESIGN DRAFTING – AS DEGREE

- Given various visual communication technologies, such as traditional drafting and CADD; and industry standards such as ANSI/ASME and ISO, students will effectively communicate, understand, and interpret design concepts and criteria for industries that design, engineer and manufacture products.
- Students will be prepared for industry employment and advancement within a variety of related professions.
- Students will be prepared to transfer to advanced fields of study in related occupations.

ENGINEERING DESIGN DRAFTING TECHNICIAN – CERTIFICATE

- Given various visual communication technologies, such as traditional drafting and CADD; and industry standards such as ANSI/ASME and ISO, students will effectively communicate, understand, and interpret design concepts and criteria for industries that design, engineer, and manufacture products.
- Students will be prepared for industry employment and advancement within a variety of related professions.

GEOGRAPHIC INFORMATION SYSTEMS – CERTIFICATE

- Students will describe and discuss the applications of geographic information systems (GIS) in their respective field. Students will use GIS to analyze and uncover spatial patterns and trends, model environmental conditions, and predict future scenarios, (e.g., post-fire conditions, or to model suitable locations for a new housing or wind farm development).
- Students will evaluate relevance of information for GIS projects and contribute new data from a variety of sources, including Global Positioning Systems (GPS).
- Students will cartographically examine and assemble information for a target audience.

HEAVY EQUIPMENT DIESEL ENGINE TECHNICIAN – CERTIFICATE

- When given a heavy machine, students will carry out an engine performance test and determine if it operates as intended.
- When given a heavy machine, students will safely service and repair a malfunctioning engine subsystem using

manufacturer's procedures while observing OSHA's shop and personal safety requirements.

- When given a heavy machine, students will document all service events and communicate them to the interested parties in accordance with the industry standards.

HEAVY EQUIPMENT ELECTRONICS TECHNICIAN – CERTIFICATE

- When given a heavy machine, students will carry out an electrical and/or a heating, ventilation, and air conditioning performance test and determine if these systems operate as intended.
- When given a heavy machine, students will safely service and repair a malfunctioning electrical and/or heating, ventilation, and air conditioning system using manufacturer's procedures while observing OSHA's shop and personal safety requirements.
- When given a heavy machine, students will document all service events and communicate them to the interested parties in accordance with the industry standards.

HEAVY EQUIPMENT GENERAL SERVICE TECHNICIAN – CERTIFICATE

- When given a heavy machine, students will carry out a performance test and determine if all systems operate as intended.
- When given a heavy machine, students will safely perform periodic maintenance and minor repairs using machine-specific lube charts and repair procedures while observing OSHA's shop and personal safety requirements.
- When given a heavy machine, students will document all service events and communicate them to the interested parties in accordance with the industry standards.

HEAVY EQUIPMENT HYDRAULICS TECHNICIAN – CERTIFICATE

- When given a heavy machine, students will carry out a hydraulic system performance test and determine if it operates as intended.
- When given a heavy machine, students will safely service and repair a hydraulic subsystem using manufacturer's procedures while observing OSHA's shop and personal safety requirements.
- When given a heavy machine, students will document all service events and communicate them to the interested parties in accordance with the industry standards.

HEAVY EQUIPMENT MAINTENANCE TECHNICIAN – CERTIFICATE

- When given a heavy machine, students will carry out a machine performance test and determine if all systems operate as intended.
- When given a heavy machine, students will carry out electrical performance tests and determine if the electrical system operates as intended.
- When given a heavy machine, students will carry out hydraulic performance tests and determine if the hydraulic system operates as intended.

- When given a heavy machine, students will carry out powertrain performance tests and determine if the powertrain system operates as intended.
- When given a heavy machine, students will carry out engine performance tests and determine if the engine operates as intended.
- When given a heavy machine, students will document all service events and communicate them to the interested parties in accordance with industry standards.

HEAVY EQUIPMENT POWERTRAINS TECHNICIAN – CERTIFICATE

- When given a heavy machine, students will carry out a powertrain performance test and determine if it operates as intended.
- When given a heavy machine, students will safely service and repair a powertrain subsystem using manufacturer's procedures while observing OSHA's shop and personal safety requirements.
- When given a heavy machine, students will document all service events and communicate them to the interested parties in accordance with the industry standards.

HEAVY EQUIPMENT SERVICE TECHNICIAN – CERTIFICATE

- When given a heavy machine, students will carry out a performance test and determine if all systems operate as intended.
- When given a heavy machine, the student will be able to troubleshoot the root cause of a malfunctioning system and determine the best course of action.
- When given a heavy machine, students will safely service and repair a malfunctioning system using manufacturer's procedures while observing OSHA's shop and personal safety requirements.
- When given a heavy machine, students will document all service events and communicate them to the interested parties in accordance with the industry standards.

HEAVY EQUIPMENT TECHNOLOGY – AS DEGREE

- When given a heavy machine, students will carry out a performance test and determine if all systems operate as intended.
- When given a heavy machine, students will troubleshoot the root cause of a malfunctioning system and determine the best course of action.
- When given a heavy machine, students will safely service and repair a malfunctioning system using manufacturer's procedures while observing OSHA's shop and personal safety requirements.
- When given a heavy machine, students will document all service events and communicate them to the interested parties in accordance with the industry standards.

HONDA PROFESSIONAL CAREER TRAINING PROGRAM SPECIALIZATION (PACT) – AS DEGREE

- The skills developed during classes will enhance students' ability to complete the (ASE) Automotive Service Excellence Certification Tests A-1 through A-8, Automotive Technician, and to become a specialist for Honda/Acura vehicles.
- The degree is designed to prepare students for transfer and/or entry-level employment as an Automotive Technician within a Honda/ Acura Dealer.

SURVEYING, MAPPING AND DRAWING – CERTIFICATE

- Given instruction in both the theory and practice of land surveying, instruction in various visual communication technologies such as traditional drafting and CADD, and industry standards, students will effectively collect, develop, map, communicate, understand, and interpret geospatial data.
- Students will be prepared for industry employment and advancement within a variety of related professions, such as land surveying, civil engineering, construction engineering, transportation engineering, and geotechnical engineering.

WELDING TECHNOLOGY – CERTIFICATE

- Students will work safely and identify safety and health hazards in the workplace.
- Student will communicate effectively, both verbally and through the written word, in a welding environment.
- Students will properly use, operate, and care for welding materials, tools, and equipment.
- Students will research, read, and use welding material, build sheets, blueprints, and other welding-related literature, both in print and in electronic format.
- Students will identify, analyze, evaluate, and demonstrate different welding operations and processes.

Communications and Languages Division

AMERICAN SIGN LANGUAGE: AMERICAN SIGN LANGUAGES (ASL) – CERTIFICATE

- Students will be able to communicate in ASL with community members outside of the classroom.
- Students will be able to interact in a culturally appropriate manner with members of the Deaf community.
- Students will demonstrate confidence in communicating with ASL.

AMERICAN SIGN LANGUAGE: DEAF STUDIES – AA DEGREE

- Students will demonstrate a high level confidence in communicating using ASL in all environments.

- Students will have an in-depth knowledge of the Deaf culture and community, and will be able to apply this knowledge in social, professional, and academic settings.
- Students will meet the entrance expectations for a bachelor degree in Deaf studies in fields such as Deaf education.

AMERICAN SIGN LANGUAGE: FOUNDATIONS OF INTERPRETING – AA DEGREE

- Students will possess a strong foundation in the skills needed to provide ASL/English interpreting
- Students will meet the entrance expectations for a bachelor degree in ASL/English interpreting at a 4-year university.
- Students will possess the necessary, industry-specific business skills to work as a professional interpreter after mastering the interpreting skill set.

COMMUNICATION STUDIES – AA-T DEGREE

- Students will identify conflict management strategies in an interpersonal relationship context.
- Students will deliver a coherent speech inclusive of a distinctive introduction, body, and conclusion, as well as 2-3 substantive main points within the body and appropriate transitions.
- Students will control/manage their verbal and nonverbal communication to enhance the audience's understanding and appreciation of the speech message appropriate to the specific audience.
- Students will argue in favor of a thesis with a supportive example and refute an opposing position with an accompanying example.
- Students will think critically in order to construct a debate position, including the debater's reasoning.

CREATIVE WRITING: CREATIVE WRITING – CERTIFICATE

- Students will identify, analyze, and evaluate creative forms of writing including the novel, short story, poetry, adolescent literature, screenwriting, and playwriting.
- Students will brainstorm, draft, revise, and produce their own pieces of nonfiction and fiction to final completion.
- Students will employ critical thinking skills, research strategies, revision techniques, and correct grammar and usage in the development of their own writing.

CREATIVE WRITING: NOVEL WRITING – CERTIFICATE

- Students will identify, analyze, and evaluate creative forms of writing with an emphasis on the novel and how it is distinguished as a literary genre in regards to narrative structure, point of view, character development, setting, theme, style, imagery, and symbolism.
- Students will brainstorm, draft, revise, and produce their own pieces of nonfiction and fiction to final completion.
- Students will employ critical thinking skills, research strategies, revision techniques, and correct grammar and usage in the development of their own writing.

CREATIVE WRITING: PLAYWRITING AND SCREENWRITING – CERTIFICATE

- Students will identify, analyze, and evaluate creative genres of writing with an emphasis on playwriting and screenwriting.
- Students will brainstorm, draft, revise, and produce their own pieces of nonfiction and fiction to final completion.
- Students will employ critical thinking skills, research strategies, revision techniques, and correct grammar and usage in the development of their own writing.

CREATIVE WRITING: POETRY WRITING – CERTIFICATE

- Students will identify, analyze, and evaluate creative forms of writing with an emphasis on poetry as a literary genre, including techniques of sound, tropes and figurative language, and thematic development.
- Students will brainstorm, draft, revise, and produce their own pieces of nonfiction and fiction to final completion.
- Students will employ critical thinking skills, research strategies, revision techniques, and correct grammar and usage in the development of their own writing.

CREATIVE WRITING: SHORT STORY WRITING – CERTIFICATE

- Students will identify, analyze, and evaluate creative forms of writing with an emphasis on the short story to increase appreciation, understanding, and enjoyment of authors' various forms and techniques.
- Students will brainstorm, draft, revise, and produce their own pieces of nonfiction and fiction to final completion.
- Students will employ critical thinking skills, research strategies, revision techniques, and correct grammar and usage in the development of their own writing.

CREATIVE WRITING: WRITING FOR CHILDREN – CERTIFICATE

- Students will identify, analyze, and evaluate creative genres of writing with an emphasis on children's literature from ancient times to the present, and examine the historical and cultural environments in which this literature was written.
- Students will brainstorm, draft, revise, and produce their own pieces of nonfiction and fiction to final completion.
- Students will employ critical thinking skills, research strategies, revision techniques, and correct grammar and usage in the development of their own writing.

ENGLISH & LITERATURE – AA DEGREE

- Students will formulate an argument and support it with relevant evidence.
- Students will communicate ideas in an organized, logical manner.
- Students will incorporate quoted or paraphrased material from credible outside sources.
- Students will document sources using a designated citation format.

- Students will identify the work of significant writers, literary works, and cultural movements from a variety of diverse communities.
- Students will interpret a selection in light of the significant social and historical factors that inform the text.
- Students will explicate a selection using rhetorical textual analysis.
- Students will apply standard English grammar and mechanics in both written and oral communication.

MASS COMMUNICATIONS: MASS MEDIA – AS DEGREE

- Students will identify the evolution of Mass Media in books, magazines, television, newspapers, radio, motion pictures, the internet, blogs, twitter, cell phones, and computer use in the world today.
- Students will write a news story that demonstrates effective interviewing and note-taking techniques.
- Students will take press photos, print the photos, and prepare the composition of the photos for publication.
- Students will write a news story of a particular length that can be produced on the air for an allotted time slot.

MASS COMMUNICATIONS: MASS MEDIA – CERTIFICATE

- Students will identify the broad area of the history, theory, aesthetic principles, and techniques used in motion pictures.
- Students will take press photos, print the photos, and prepare the composition of the photos for publication.
- Students will write a news story of a particular length that can be produced on the air for an allotted time slot.
- Students demonstrate knowledge of the broad area of the history, theory, aesthetic principles, and techniques used in motion pictures.

MASS COMMUNICATIONS: PRINT MEDIA – AS DEGREE

- Students gather information, write, and edit copy for use in the print school newspaper that demonstrates an understanding of the rights and responsibilities of the student press to the community it serves.
- Students gather information, write, and edit copy for use in the print school newspaper that demonstrates an understanding of the rights and responsibilities of the student press to the community it serves. Students will write a general interest article or story to be published in the college magazine for a student audience.
- Students will take press photos, print the photos, and prepare the composition of the photos for publication.

MASS COMMUNICATIONS: PRINT MEDIA – CERTIFICATE

- Students will gather information, write, and edit copy for use in the print school newspaper that demonstrates an understanding of the rights and responsibilities of the student press to the community it serves.

- Student will be able to gather information, write, and edit copy for use in the print school newspaper that demonstrates an understanding of the rights and responsibilities of the student press to the community it serves.
- Students will be able to write a general interest article or story to be published in the college magazine for a student audience.
- Students will take press photos, print the photos, and prepare the composition of the photos for publication.
- Students will write a news story that demonstrates effective interviewing and note-taking techniques.

SPANISH – AA-T DEGREE

- Using critical thinking skills, students will speak fluently and comprehend at the intermediate level commensurate with the grammar and vocabulary of that level, and demonstrate increased knowledge and appreciation of the Spanish language, literature, and culture.
- Students will write dialogues, letters, reports, summaries, and essays on various topics using correct grammar, syntax, punctuation, capitalization, and diacritical marks.
- Students will read, discuss and analyze literary selections in Spanish that vary in style, from simple journalist writing to highly original and complex literary works.

Health Science & Nursing Division

NURSING – AS DEGREE

- Students will be aligned in a position to transition into a Bachelor's of Science in Nursing program.
- Students will integrate the simulated clinical experience to enhance clinical performance in all clinical areas.

VOCATIONAL NURSING – AS DEGREE

- Students will incorporate the medical model utilizing all aspects of the nursing process with successful completion of all theory objectives and clinical objectives in all courses of the vocational nursing program.
- Students will be prepared and have a successful pass rate on national vocational nursing exam.
- Students will complete all general education (GE) requirements for AS degree in vocational nursing.
- Students will integrate the simulated clinical experience to enhance clinical performance in all clinical areas.

VOCATIONAL NURSING – CERTIFICATE

- Students will integrate the simulated clinical experience to enhance clinical performance in all clinical areas.
- Students will be prepared and have a successful pass rate on national vocational nursing exam.
- Students will incorporate the medical model utilizing all aspects of the nursing process with successful completion of all theory objectives and clinical objectives in all courses of the vocational nursing program.

Kinesiology, Dance, and Athletics Division

ATHLETIC TRAINER'S AIDE – CERTIFICATE

- Students will conduct a primary and secondary survey following an injury and make emergency treatment decisions based on results.
- Students will treat a variety of open wounds as a first responder, recognizing the use of personal protective equipment.
- Students will apply appropriate splinting and taping techniques for a variety of injuries using a variety of medical supplies.
- Students will identify the indications, contraindications, and application techniques for the use of several therapeutic modalities.

COACHING OF SPORTS – CERTIFICATE

- Students will understand the various demands required to be successful in the coaching field.
- Students will be prepared to complete coaching certifications for the American Sports Education Program (ASEP) and California Interscholastic Federation (CIF) test for employment.
- Students will be exposed to the physical, technical, tactical, psychological, and social elements within sports.
- Students will understand the different types of workouts and diets required by the population with which they are working.
- Students will understand the importance of administration, fundraising, communication, team building, and defining success in the coaching environment.

COMMUNITY HEALTH WORKER – CERTIFICATE

- In a health education lecture, articulate the application of health and wellness principles to health conditions and special populations.
- Value individual differences in needs and goals in developing health and wellness plans.
- As a role model for health, be able to develop a personal vision and philosophy towards lifelong wellness.
- For professional development, Seek opportunities for lifelong learning, enhancement of the six dimensions of wellness.
- Using technology for video creating, demonstrate knowledge by educating community members in principles of health and wellness.
- In an emergency, understand basic procedures and situational awareness.

DANCE – AA DEGREE

- When in rehearsal, students will demonstrate best practice methods of training and rehearsal in preparation for performance.

- In performance, students will successfully perform on stage or in class showings.
- When shown live or recorded dance performances, students will critically analyze dance material by its salient qualities of body, effort, space, and shape and recognize predominant cultural and historical forces and figures in dance.
- When presented with a choreographic or improvisational problem, students will be able to create dance material with choreographic components of Laban Movement Analysis and understanding of contemporary dance production practices.

DANCE – CERTIFICATE

- Given a real-life teaching scenario, students will analyze the learning environment and student population, design an appropriate dance class, and lead students in a well organized, safe, and engaging dance class.
- Students will perform successfully on stage or in class showings.
- When shown live or recorded dance performances, students will analyze dance material critically by utilizing the Laban/Bartenieff movement analysis categories of Body, Effort, Space, and Shape {BESS}; and to recognize forces and figures in dance.
- When presented with a choreographic or improvisational problem, students will be able to create dance material using choreographic components from the Laban/Bartenieff movement analysis categories of Body, Effort, Space, and Shape, and which demonstrates understanding of dance production.

FITNESS SPECIALIST – CERTIFICATE

- Students will analyze individual health and fitness levels and create individual exercise programs.
- Students will apply and demonstrate exercise testing skills and techniques to real world situations, such as individual client fitness assessments.
- Students will adapt to diverse populations and fitness levels and have an awareness of special needs individuals.
- Students will apply fitness concepts, definitions, and principles to personal training, group fitness instructions, or health and fitness settings.
- Students will have a career in the personal training or fitness instructor field, or transfer to a 4-year institution, within 3 years.

FITNESS AND SPORT MANAGEMENT – CERTIFICATE

- Students will be able to analyze and organize fitness and sport management and operations; and to communicate effectively, both written and verbally, in professional fitness and sport settings.
- Students will be able to demonstrate sensitivity to a multicultural community, including related social issues; and skills in leadership, communication, collaboration, and managing personnel.

- Students will be able to demonstrate a professional understanding of the legal aspects of sport and ethics and apply those principles to managing fitness and sport businesses.
- Students will be able to achieve academic and practical foundations with the ultimate goal of employment in the fitness and/or sport management industries.

KINESIOLOGY – AA-T DEGREE

- Students will understand different types of exercise programs and diets and their relationship to their fitness and wellness.
- Students will explain methods and techniques used to promote cardiovascular fitness.
- Students will understand the role of diet and exercise in controlling chronic health problems.

STRENGTH AND PERFORMANCE COACH – CERTIFICATE

- In the strength lab, apply knowledge and understand exercise science principles and terminology.
- With specific athletic populations, demonstrate proficiency in fitness, nutritional, and functional movement assessments of individuals.
- Through video and in-person observation, understand the unique movements associated with skill development and performance in various sports.
- For a performance athlete, design science-based exercise programs for both injury prevention and performance enhancement.
- Develop performance-based group exercise routines to meet the needs various sport and tactical athletes.
- Using the latest technology and software programs, input and analyze exercise performance data.

YOGA TEACHER TRAINING – CERTIFICATE

- Students will demonstrate and explain the anatomical alignment points and physiological benefits of key poses in each category of hatha yoga asana/postures: standing/balancing poses, forward bends, backbends, and inversions.
- Students will demonstrate and explain the form and functions of four basic yogic breath control techniques; diaphragmatic breath, ujjayi breath, nadi shodana and breath of fire.
- Students will demonstrate and explain the form and function of four basic meditation techniques used in hatha yoga; following the breath, visualization, loving kindness and mantra meditation.
- Students will design and teach a beginning hatha yoga class and utilize best practices for cueing, assisting and giving adjustments.
- Students will summarize the history and contemporary context of hatha yoga. Include the ethics of yoga in Patanjali's "Yoga Sutras" and how this can be implemented in the contemporary student-teacher relationship.

Mathematics, Sciences, and Engineering Division

BIOLOGY – AS DEGREE

- Students will develop the ability to evaluate scientific information critically, using analytical reasoning and quantitative skills.
- Students will strengthen their skills in reading, writing, oral communication, and critical thinking.
- Students will demonstrate knowledge in three major sub-disciplines of biology: cellular and molecular biology, organismal biology, and ecology and evolution
- Students will understand and use scientific methodology.

BIOLOGY: HEALTH SCIENCE PREPARATION – CERTIFICATE

- Students will demonstrate knowledge in the three pre-health science disciplines: human anatomy, microbiology, and human physiology.
- Students will be aligned to transition to programs in the health sciences and nursing.

BIOTECHNOLOGY – CERTIFICATE

- Students will apply biotechnological concepts, standards, and skills in appropriate industrial applications.
- Students will acquire the ability to work as a team to meet the needs of the biotechnology industry.

ENVIRONMENTAL SCIENCE – AS DEGREE

- Students will apply environmental science concepts and analytical procedures in various fields.
- Students will have the ability to apply economic principles to analyze environmental problems.
- Students will have the ability to work as a member of an interdisciplinary team to solve environmental problems.
- Students will strengthen their skills in reading, writing, oral communication, and critical thinking.

ENVIRONMENTAL TECHNOLOGY – AS DEGREE

- Students will identify the types of environmental, health, and safety hazards that may be encountered in the environmental field.

ENVIRONMENTAL TECHNOLOGY – CERTIFICATE

- Students will identify the types of environmental, health, and safety hazards that may be encountered in the environmental field.

GENERAL STUDIES:

SCIENCE & MATHEMATICS – AS DEGREE

- Students will critique and interpret data presented in appropriate graphical and/or verbal formats.
- Students will evaluate the strengths and limitations of scientific models employed to describe a particular phenomenon.

MATHEMATICS – AS-T DEGREE

- Students will analyze a given scenario and apply an appropriate problem-solving approach to explain and/or find a solution.
- Students will create, interpret, and analyze graphical representations of data and/or equations and inequalities.
- Students will use appropriate technology to solve mathematical problems and/or interpret data, and judge the reasonableness of their results

Public Safety Division

ADMINISTRATION OF JUSTICE – AS DEGREE

- Students will apply legal definitions, concepts, and principles to law enforcement, courts, or correctional settings.
- Students will communicate information in a clear and organized manner.
- Students will analyze ethical dilemmas encountered in the law enforcement and/or corrections fields and decide on the correct ethical choice.
- Students will apply constitutional, statutory, procedural, and case law to real-life criminal justice situations.
- Students will adapt to the diverse and multicultural nature of American society in the criminal justice setting.
- Students will use the degree or certificate as a platform for a career in the criminal justice field or further study at a 4-year institution.

CORRECTIONS – AS DEGREE

- Students will apply legal definitions, concepts, and principles to law enforcement, courts, or correctional settings.
- Students will communicate information in a clear and organized manner.
- Students will analyze ethical dilemmas encountered in the law enforcement and/or corrections fields and decide on the correct ethical choice.
- Students will apply constitutional, statutory, procedural, and case law to real-life criminal justice situations.
- Students will adapt to the diverse and multicultural nature of American society in the criminal justice setting.
- Students will use the degree or certificate as a platform for a career in the criminal justice field or further study at a four-year institution.

EMERGENCY MEDICAL TECHNICIAN – CERTIFICATE

- Students will apply concepts related to the entire spectrum of EMS care including: airway, ventilation, oxygenation, trauma; cardiology, medical, and EMS operations
- Students will competently perform patient assessment (medical and trauma) psychomotor skills.

- Students will competently perform upper airway adjuncts and suctioning psychomotor skills.
- Students will competently perform oxygen and bag-valve-mask (apneic patient) psychomotor skills.
- Students will competently perform cardiac arrest management and AED psychomotor skills.
- Students will competently perform bleeding control and shock psychomotor skills.
- Students will competently perform spinal immobilization psychomotor skills.
- Students will competently perform fracture and dislocation immobilization psychomotor skills
- Students will competently perform pre-hospital childbirth psychomotor skills.

FIRE TECHNOLOGY – AS DEGREE

- Students will identify minimum qualifications and entry-level skills for firefighter hiring; describe the following elements: application process, written exam process, physical agility exam, oral interview, chief's interview, background investigation, and firefighter probationary process and identify fire service history, culture, and diversity.
- Students will identify and comprehend laws, regulations, codes, and standards that influence fire department operations and identify regulatory and advisory organizations that create and mandate them, especially in the areas of fire prevention, building codes and ordinances, and firefighter health and safety.
- Students will analyze the causes of fire, determine extinguishing agents and methods, differentiate the stages of the fire and fire development, and compare methods of heat transfer.
- Students will calculate flow requirements for fire apparatus, diagram a pump and plumbing schematic for fire apparatus, and apply mathematic formulae to hydraulics problems.
- Students will identify and describe the apparatus used in the fire service and the equipment and maintenance of fire apparatus and equipment.
- Students will identify and describe common types of building construction and conditions associated with structural collapse and firefighter safety.
- Students will differentiate between fire detection and fire suppression systems; design and diagram a wet and dry fire protection system; and identify alarm system components and their operations.
- Students will demonstrate the ability to analyze, appraise, and evaluate fire and emergency incidents and identify components of emergency management and firefighter safety, including: size-up, report-on conditions, Incident Command System, RECEO, 10 Standard Firefighting Orders, 18 situations that shout "Watch Out," and common factors associated with injuries and line-of-duty deaths.

FIRE TECHNOLOGY – CERTIFICATE

- Students will identify minimum qualifications and entry-level skills for firefighter hiring; describe the following elements: application process, written exam process, physical agility exam, oral interview, chief's interview, background investigation, and firefighter probationary process; and identify fire service history, culture, and diversity.
- Students will identify and comprehend laws, regulations, codes, and standards that influence fire department operations and identify regulatory and advisory organizations that create and mandate them, especially in the areas of fire prevention, building codes and ordinances, and firefighter health and safety.
- Students will analyze the causes of fire, determine extinguishing agents and methods, differentiate the stages of the fire and fire development, and compare methods of heat transfer.
- Students will calculate flow requirements for fire apparatus, diagram a pump and plumbing schematic for fire apparatus, and apply mathematic formulae to hydraulics problems.
- Students will identify and describe the apparatus used in the fire service and the equipment and maintenance of fire apparatus and equipment. (Elective.)
- Students will identify and describe common types of fire suppression systems (four basic types).
- Students will demonstrate the ability to analyze, appraise, and evaluate fire and emergency incidents and identify components of emergency management and firefighter safety, including: size-up, report-on conditions, Incident Command System, RECEO, 10 Standard Firefighting Orders, 18 situations that shout "Watch Out," and common factors associated with injuries and line-of-duty deaths.

HOMELAND SECURITY – AS DEGREE AND CERTIFICATE

- Students will analyze and interpret homeland security data and theories.
- Students will apply cross-disciplinary methods of analysis.
- Students will demonstrate an understanding of homeland security information.

BASIC FIRE ACADEMY – CERTIFICATE

- Students will utilize a self-contained breathing apparatus and conduct live fire training in a flashover environment.
- Students will demonstrate proper and safe usage of a 24-foot extension ladder and climb and work on the ladder in given training scenario.
- Students will demonstrate proper hose evolution techniques in a safe and proficient manner.
- Students will don all personal protective equipment within a 60-second time frame with no errors.
- Students will demonstrate wildland fire line construction in a safe and proficient manner.

- Students will demonstrate the safe operation of the jaws of life while performing auto extrication on a vehicle such as a car, van, or truck.

BASIC POLICE ACADEMY – CERTIFICATE

- Students will apply the definitions of local, state, and federal legal statutes as well as constitutional principles addressed in the California Commission's Peace Officer Standards and Training (POST) Learning Domains as they relate to law enforcement work.
- Given realistic scenario scripts, students will demonstrate proficiency in handling situations that involve a variety of law enforcement-related incidents common in the day-to-day duties of a police officer.
- Students will analyze situations that involve ethical dilemmas encountered in law enforcement, and determine what the correct ethical choice should be in each case.
- Students will correctly demonstrate self-defense skills and tactics in a safe and proficient manner.
- Students will demonstrate firearms skills and tactics in a safety and proficient manner.
- Students will demonstrate emergency vehicle operations and tactics in a safety and proficient manner.
- Students will utilize the concepts and tenets associated with the use of procedural justice.
- Students will access a given situation and prepare an accurate and complete arrest report that meets the requirements of law enforcement agencies.
- Students will use the certificate as a platform for a career as a peace officer.

INTENSIVE MODULAR BASIC POLICE ACADEMY – CERTIFICATE

- Students will apply the definitions of local, state, and federal legal statutes as well as constitutional principles addressed in the California Commission's Peace Officer Standards and Training (POST) Learning Domains as they relate to law enforcement work.
- Given realistic scenario scripts, students will demonstrate proficiency in handling situations that involve a variety of law enforcement-related incidents common in the day-to-day duties of a police officer.
- Students will analyze situations that involve ethical dilemmas encountered in law enforcement, and determine what the correct ethical choice should be in each case.
- Students will correctly demonstrate self-defense skills and tactics in a safe and proficient manner.
- Students will demonstrate firearms skills and tactics in a safety and proficient manner.
- Students will demonstrate emergency vehicle operations and tactics in a safety and proficient manner.
- Students will utilize the concepts and tenets associated with the use of procedural justice.
- Students will access a given situation and prepare an accurate and complete arrest report that meets the requirements of law enforcement agencies.

- Students will use the certificate as a platform for a career as a peace officer.

BASIC POLICE TRAINING – CERTIFICATE

- Students will apply the definitions, concepts, statutes, and constitutional principles covered in the POST Learning Domains to law enforcement work.
- Given scripted scenarios, students will demonstrate proficiency in handling situations involving a variety of law enforcement related incidents.
- Students will analyze ethical dilemmas encountered in law enforcement and decide on the correct ethical choice.
- Students will demonstrate self-defense skills in a safe and proficient manner.
- Students will demonstrate firearms skills in a safe and proficient manner.
- Students will demonstrate emergency vehicle operations in a safe and proficient manner.
- Students will prepare an accurate and complete arrest report that meets the requirements of law enforcement agencies.
- Students will use the certificate as a platform for a career as a peace officer.

WILDLAND FIRE TECHNOLOGY – AS DEGREE

- Students will assess impacts of fuel, weather, and topography on wildland fire behavior.
- Students will recognize and avoid the four common denominators of wildland fire fatalities.
- Given a wildland fire scenario, students will prepare an incident briefing based on factors of fuel, weather, topography, and man-made hazards.
- Students will demonstrate the three components of wildland fire prevention, including education, engineering, and enforcement.
- Students will make an operation shift plan that includes the following information: people in charge, operational objectives, resources, supplies necessary to meet the objectives, area map, weather forecasting, and safety briefing using standardized ICS forms.

WILDLAND FIRE TECHNOLOGY – CERTIFICATE

- Students will safely manipulate wildland fire tools, including shovel, Pulaski, and McLeod.
- Students will recall the ten Standard Firefighting Orders.
- Students will deploy a fire shelter.
- Students will demonstrate proper use of the following tools and equipment: back pump, fuses, and backfire torch.
- Students will function within an Incident Command System environment.
- Students will assess impacts of fuel, weather, and topography on wildland fire behavior.
- Assess impacts of fuel, weather, and topography on wildland fire behavior.

Student Learning Outcomes (SLOs) – General Education

General Education Student Learning Outcomes (SLOs) represent the knowledge, skills, and/or abilities that students should demonstrate upon completion of the general education requirements.

Humanities

- Students will critique artistic works, evaluating elements relevant to the given work (e.g., texture, form, timbre, color, conflict, rhythm, etc.) and how these are effectively integrated in the work as a whole.
- Students will create or perform artistic works and critically evaluate their efforts.
- Students will interpret, analyze, and critique diverse literary texts by means of critical reading, classroom discussion, and composition.
- Students will perform tasks that are meaningful, personalized, and/or culturally relevant or appropriate in the target language. (Foreign language humanities outcome.)
- Given oral questions, written prompts, and/or reading selections, students will demonstrate productive and receptive skills in the target language. (Foreign language humanities outcome.)

Mathematics

- Given the description of a real-world problem, students will construct correct equations and/or inequalities to represent the problem and determine the correct solution or set of solutions.
- Students will critique and interpret data presented in appropriate graphical and/or verbal formats.
- Students will effectively employ calculators, computers, and other relevant technology in solving mathematical problems.

Natural Sciences

- Students evaluate quantitative and/or qualitative data and develop a reasonable hypothesis based on these results.
- Presented with an argument promoting a particular hypothesis, students will critique the stated assertions and assess whether or not the given hypothesis may be valid.
- Students will utilize appropriate scientific apparatus to obtain quantitative and/or qualitative data and correctly document the resulting measurements.
- Given a problem of scientific interest, students will develop and execute a procedure to investigate the problem.
- Students will evaluate the strengths and limitations of scientific models employed to describe a particular phenomenon.

Kinesiology

- Students will develop and demonstrate an understanding of the role of diet and exercise in controlling chronic health problems.
- Students will critique their particular situation in relation to the principles of health, fitness and wellness.
- Students will explain methods and techniques used to promote cardiovascular fitness.
- Students will compare and contrast different types of exercise programs and diets and their relationship to their fitness and wellness.

Reading and Written/Oral Expression

- Students will analyze academic or literary texts to discern meaning.
- Students will summarize main ideas from academic or literary texts.
- Students will support an argument with evidence.
- Students will organize ideas coherently.
- Students will evaluate the reliability of both print and electronic (research) sources and use them effectively
- Using a conventional citation format, students will document both print and electronic sources.
- Students will vary or employ appropriate tone in conveying ideas.
- Students will use standard English grammar and mechanics.

Social and Behavioral Sciences

- Students will recognize the basic vocabulary and concepts of at least one social or behavioral science discipline verbally or in writing.
- Students will compare and contrast social institutions and processes across a range of historical periods and cultures.
- Students will recognize and explain the methods