

# 10 Student Learning Outcomes

## *Degree, Certificate and General Education*

### **Student Learning Outcomes (SLOs) – Degree & Certificate**

Degree and Certificate Student Learning Outcomes (SLOs) represent the knowledge, skills, and/or abilities that students should be able to demonstrate upon completion of a degree or certificate program.

### **Arts & Cultural Programs Division**

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#### **ANIMATION – AS DEGREE**

- Successful students will be able to develop and communicate a concept design that is original and engaging by using both digital and traditional methods such as quick sketching, perspective drawing and digital sculpture.
- Successful students will exhibit a knowledge and understanding of the principals of animation by animating digital character or man-made object.
- Successful students will competently create a project appropriate for a portfolio in the entertainment industry by using the latest digital visualization tools and given a concept design describing an environment, character or man-made object.

#### **ART – AA DEGREE**

- Students will describe and discuss the fundamental or “formal properties” of art: line, positive/negative space, shade/tone, texture, color, etc.
- Students will be able to identify, analyze, and evaluate basic techniques of “process” in a variety of media: drawing, painting, sculpture, printmaking, computer graphics, photography, ceramics, etc.
- Students will be able to produce carefully considered art works to final completion thereby demonstrating their “practice” of art.

#### **ART HISTORY – AA-T DEGREE**

- Express an understanding of the roles and functions of art in society.
- Discuss works of art representative of diverse cultures and regions within a historical and social context.

- Explain how works of art communicate visual meaning.
- Describe the principles and formal elements of visual art.
- Apply historical art terminology and methodology in analyzing and interpreting works of art.

#### **COMMERCIAL ART – AS DEGREE**

- Given a specific subject matter, students will use the professional design software to produce creative design solutions appropriate for commercial printing or other commercial uses, as well as print and present a portfolio.

#### **MUSIC – AA DEGREE**

- All Rio Hondo music majors will be able to identify the major musical forms and the manner in which these forms define the style characteristics of the major musical periods: Baroque, Classical, Romantic, and Contemporary eras.
- Students will be able to identify and construct Major and the three forms of Minor scales in all 12 keys.
- All Music majors will be able to analyze a given four-part choral.

#### **PHOTOGRAPHY – AA DEGREE**

- Students create photographs that demonstrate effective control of aperture, shutter speed, and exposure.
- Given a specific thematic assignment, students create photographic images that demonstrate a working understanding of principles of photographic composition and framing.

#### **THEATER ARTS – AS DEGREE**

- All Rio Hondo College Theatre Arts majors will be able to identify the difference between comedy and drama according to Aristotle’s six elements of drama. Students will be able to identify plot, character, theme, music, diction, and spectacle.

## **Behavioral & Social Science Division**

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### **CHICANO STUDIES – AA DEGREE**

- A student who successfully completes the AA Degree requirements for Chicano/a Studies should be able to (1) define and explain the basic terms and concepts with the field of Chicano/a Studies and (2) identify and analyze at minimum two contemporary issues affecting the Chicano/Latino 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**

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

### **DRUG STUDIES – CERTIFICATE**

- Upon completion of the Drug Studies certificate, students will demonstrate an understanding of concepts, theories, and techniques that are foundational to the practice of addiction treatment.
- Upon completion of the Drug Studies certificate, students will demonstrate an understanding of assessment methods, treatment planning and case management.
- Upon completion of the Drug Studies certificate, students will demonstrate an understanding of recovery-oriented behavior in addiction treatment management.

- Upon completion of the Drug Studies certificate, students will demonstrate an understanding of ethical practices in addiction treatment.

### **GENERAL STUDIES: SOCIAL BEHAVIOR & SELF-DEVELOPMENT – AA DEGREE**

- Students should have the ability to think critically in order to understand social issues

### **GENERAL STUDIES: SOCIAL SCIENCES –AA DEGREE**

- Students should have the ability to 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 Degree**

- Given prior instruction on a topic of philosophical interest, the student will demonstrate the ability to formulate and defend a philosophical position by clearly articulating a thesis statement and providing supporting points.
- The student will demonstrate an ability to read and comprehend philosophical texts by accurately identifying the main point and some key supporting points.
- The student will demonstrate proficiency with the main terms, concepts, and definitions that pertain to the different branches of philosophy.
- The student will develop a critical understanding of the work of central thinkers in the Western philosophical tradition and demonstrate this understanding by means of a competent paraphrase of their main ideas.
- The student will demonstrate an ability to defend a philosophical position or argument.
- The student will demonstrate the ability to evaluate the validity of a deductive argument.

- The student will demonstrate the ability to evaluate the strength of an inductive argument.

### **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 both 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**

- Upon completion of the Associate of Arts degree in Sociology for Transfer, the student should understand the foundations of Sociology as a discipline.
- Upon completion of the Associate of Arts degree in Sociology for Transfer, the student should have a broad understanding of society and social behavior.
- Upon completion of the Associate of Arts degree in Sociology for Transfer, students should be able to understand the importance of social and historical contexts.
- Upon completion of the Associate of Arts degree in Sociology for Transfer, students should have the ability to demonstrate basic social analysis skills.

## **Business Division**

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### **ACCOUNTING – A.S. DEGREE**

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

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

### **ACCOUNTING – CERTIFICATE**

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- Students are able to analyze, process, and report financial information in accordance with generally accepted Accounting Principles within established normal and computerized protocols.

### **BUSINESS ADMINISTRATION – AA DEGREE**

- 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.
- Demonstrate an understanding of economic principles by differentiating between micro and macro economies, explaining supply and demand, and applying economic principles to make business decisions.
- Use statistical and mathematical expressions to make general statements about populations of customers and make numeric business decisions.

### **COMPUTER INFORMATION TECHNOLOGY: COMPUTER SYSTEMS – AS DEGREE**

- Students will demonstrate basic computer literacy including input/output devices and MS Office Suite of applications.
- Students will be able to apply critical thinking and problem-solving skills required by employers and four-year universities in the computer information systems field.
- Students will be able to analyze a problem as well as identify and define the computing requirements appropriate to its solution.

- Students will be able to design and write usable effective computer programs that can be integrated into the user environment using modern high-level languages.
- Students will be able to communicate effectively and efficiently with clients, users, and peers using both verbal and written communication tools.
- Students will be able to demonstrate a working knowledge of computer hardware, operating systems, and application software.
- Students will be able to identify the tasks of systems analysis and database design and use current technology necessary for computing practice.

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**COMPUTER INFORMATION TECHNOLOGY:  
OFFICE TECHNOLOGIES – AS DEGREE**

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

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

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

**INTERNATIONAL BUSINESS – AS DEGREE &  
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 must be able to analyze management ethical issues and cultural sensitivities in the global business.
- Students are able to apply integrated marketing strategies with customers, partners, and regulators in the global marketplace.
- Students are able to describe international trade processes and the functions of the foreign exchange market.

**LOGISTICS MANAGEMENT– AS DEGREE**

- After completing the courses in this degree, the student should know the role and historical development of supply chain management and integrated logistics functions.
- The student should know the relationship between operations, warehousing, distribution centers, and materials management.
- The student should know the importance of sound inventory management principles.
- The student should be able to contribute to process improvement projects.

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### **MANAGEMENT & SUPERVISION – AS DEGREE**

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

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### **BUSINESS MARKETING – AS DEGREE & CERTIFICATE**

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

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

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## **Career & Technical Education Division**

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### **ALTERNATIVE ENERGY TECHNOLOGY – AS DEGREE**

- The skills developed during classes will enhance the student's ability to complete the North American Board of Certified Energy Practitioners (NABCEP) and to become a specialist in the Solar Photovoltaic industry.
- The Degree is designed to prepare an individual for transfer and/or entry-level employment as an Alternative

Energy Technician within the renewable energy/green technology field.

- Upon completion of this program, an individual will have the knowledge and skills necessary to install residential and commercial solar and wind power systems.
- The individual 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 the student's ability to complete the (NABCEP) North American Board of Certified Energy Practitioners and to become a specialist in the Solar Photovoltaic industry.
- The Certificate is designed to prepare an individual for entry-level employment as an Alternative Energy Technician within the renewable energy/green technology field.
- Upon completion of this program, an individual 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 be able to 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.
- Upon successful completion of this course, students will be able to describe and demonstrate simulated on-the-job conditions regarding the congressional nine alternative fuel sources.
- Upon successful completion of this course, students who complete the career path cartographically examine and assemble information for a target audience of who would use the Alternative Fuel types.
- Regardless of career path (Private, Government or Fleet) the Alternative Fuels A.S Degree or COA student obtains transferable credit to a university and points towards qualifying as a certified CSA Fuel Tank Inspector.
- Upon successful completion of this course, students will be able to pass the safety requirements with complete knowledge of NFPA, CSA, CGA 6.4, and OSHA standards.

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- Regardless of career path (Private, Government or Fleet) the Alternative Fuels A.S Degree or COA student obtains transferable credit to a university and points towards qualifying as a certified CSA Fuel Tank Inspector.
- Upon successful completion of this course, students are capable of describing applications in all nine Alternative Fuel areas (Compressed, Liquid, generated electrical and Biodiesel).
- Students will be able to 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.
- Upon successful completion of this course, students will be able to pass the safety requirements with complete knowledge of NFPA, CSA, CGA 6.4, and OSHA standards.

#### **ARCHITECTURAL DESIGN & DRAWING – AS DEGREE**

- Given various visual communication technologies, such as traditional drafting, CADD, and BIM (Building Information Modeling) with industry standards such as AIA and AEC (Architectural, Engineering and Construction), Graphic Standards and the Building Code, successful students will be able to effectively communicate graphically and understand and interpret design concepts and criteria for various disciplines related to the AEC industry.
- Upon completion of the program, successful students are prepared for industry employment and advancement within a variety of related AEC professions.
- Further, students are 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) with industry standards such as AIA and AEC (Architectural, Engineering and Construction), Graphic Standards and the Building Code, successful students will be able to effectively communicate graphically and understand and interpret design concepts and criteria for various disciplines related to the AEC industry.
- Upon completion of the certificate, successful students are 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, with industry standards such as AIA and AEC (Architectural, Engineering and Construction), Graphic Standards and the Building Code, successful students will be able to effectively understand, communicate and interpret design concepts and criteria for various disciplines related to the AEC industry.

- Upon completion of the program, successful students are prepared to transfer to advanced fields of study in architecture-related occupations.

### **HEAVY EQUIPMENT TECHNOLOGY – AS DEGREE**

- While obtaining and earning the degree, the student will be able to work safely and identify safety and health hazards in a heavy equipment service and repair facility.
- While obtaining and earning the degree, the student will be able to communicate effectively, both verbally and through the written word, in a heavy equipment service and repair environment.
- While obtaining and earning the degree, the student will be able to properly use and care for heavy equipment service and repair tools and equipment.
- While obtaining and earning the degree, the student will be able to research, read, and use heavy equipment service and repair literature, both in print and in electronic format.
- While obtaining and earning the degree, the student will be able to identify, analyze, and evaluate general heavy equipment service and repair issues to determine concern, cause, and correction.

### **HEAVY EQUIPMENT SERVICE TECHNICIAN SPECIALIST – CERTIFICATE**

- While obtaining and earning the Certificate of Achievement, the student will be able to work safely and identify safety and health hazards in a heavy equipment service and repair facility.
- While obtaining and earning the Certificate of Achievement, the student will be able to communicate effectively, both verbally and through the written word, in a heavy equipment service and repair environment.
- While obtaining and earning the Certificate of Achievement, the student will be able to properly use and care for heavy equipment service and repair tools and equipment.
- While obtaining and earning the Certificate of Achievement, the student will be able to research, read, and use heavy equipment service and repair literature, both in print and in electronic format.
- While obtaining and earning the Certificate of Achievement, the student will be able to identify, analyze, and evaluate general heavy equipment service and repair issues to determine concern, cause, and correction.

### **AUTOMOTIVE TECHNOLOGY – AS DEGREE**

- While obtaining and earning the degree, the student will be able to work safely and identify safety and health hazards in an automotive service and repair facility.

- While obtaining and earning the degree, the student will be able to communicate effectively, both verbally and through the written word, in an automotive service and repair environment.

- While obtaining and earning the degree, the student will be able to properly use and care for automotive service and repair tools and equipment.

- While obtaining and earning the degree, the student will be able to research, read, and use automotive service and repair literature, both in print and in electronic format.

- While obtaining and earning the degree, the student will be able to identify, analyze, and evaluate specific automotive service and repair issues to determine concern, cause, and correction.

### **GENERAL SERVICE TECHNICIAN – CERTIFICATE**

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

### **CIVIL DESIGN & DRAWING – CERTIFICATE**

- Given various visual communication technologies, such as traditional drafting and CADD, with industry standards, such as AEC Graphic Standards, successful students will be able to effectively communicate, understand and interpret design concepts and criteria for the civil engineering field.
- Upon completion of the program, successful students are 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, with industry standards, such as AEC Graphic Standards, successful students will be able to effectively communicate, understand and interpret design concepts and criteria for the civil engineering field.
- Upon completion of the program, successful students are 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.
- Further, students are 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, with industry standards, such as AEC Graphic Standards, successful students will be able to effectively communicate, understand and interpret design concepts and criteria for the civil engineering field.
- Upon completion of the program, successful students are 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.

### **ELECTRONIC TECHNOLOGY – AS DEGREE**

- The knowledge and skills developed during classes will enhance the student's ability to become a specialist in the applied electronics industry.
- A student will be prepared for transfer and/or entry-level employment as an Electronics Technician.

### **ELECTRONIC TECHNOLOGY – CERTIFICATE**

- The students training in theory and practical skills will demonstrate the necessary for preparation as an Electronics Technician.
- The student will acquire the knowledge and hands-on skills that is demanded of modern Electronics Technicians.
- Upon completion of this program an individual will have the knowledge and skills necessary to gain entry-level employment in the applied electronics industry.

### **ENGINEERING DESIGN DRAFTING TECHNICIAN – CERTIFICATE**

- Given various visual communication technologies, such as traditional drafting and CADD, with industry standards such as ANSI / ASME and ISO, successful students will be able to effectively communicate, understand and interpret design concepts and criteria for industries that design, engineer and manufacture products.

- Upon completion of the program, successful students are prepared for industry employment and advancement within a variety of related professions.

### **ENGINEERING DESIGN DRAFTING – AS DEGREE**

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

- Further, students are prepared to transfer to advanced fields of study in related occupations.

### **GEOGRAPHIC INFORMATION SYSTEM – CERTIFICATE**

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

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

- The skills developed during classes will enhance the student's 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 an individual for transfer and/or entry-level employment as an Automotive Technician within a Honda/ Acura Dealer.

### **SURVEYING, MAPPING & DRAWING – CERTIFICATE**

- Given instruction in both the theory and practice of land surveying, as well as instruction in various visual communication technologies, such as traditional drafting and CADD, with industry standards, successful students will be able to effectively collect, develop, map, communicate, understand and interpret geospatial data.

- Upon completion of the program, successful students are prepared for industry employment and advancement within a variety of related professions, such as land surveyor, civil engineering, construction engineering, transportation engineering, and geotechnical engineering.

### **WELDING TECHNOLOGY – CERTIFICATE**

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

## **Communications & Languages Division**

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### **COMMUNICATION STUDIES – AA–T DEGREE**

- Upon successful completion of this degree, students will have an understanding of conflict management strategies in an interpersonal relationship context.
- Upon successful completion of this degree, students will have an understanding of conflict management strategies in an interpersonal relationship context.
- Upon successful completion of this degree, students will have the ability to 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.
- Upon successful completion of this degree, students should be able to control/manage their verbal and nonverbal communication to enhance the audience's understanding and appreciation of the speech message appropriate to the specific audience.
- Upon successful completion of this degree, students should have the ability to argue in favor of a thesis with a supportive example and refute an opposing position with an accompanying example.

- Upon successful completion of this degree, students should have the ability to think critically in order to understand a debate position, including the debator's reasoning.

### **ENGLISH & LITERATURE – AA DEGREE**

- Upon successful completion of this degree, the student will be able to formulate an argument and support it with relevant evidence.
- Upon successful completion of this degree, the student will be able to communicate ideas in an organized, logical manner.
- Upon successful completion of this degree, the student will be able to incorporate quoted or paraphrased material from credible outside sources.
- Upon successful completion of this degree, the student will be able to document sources using a designated citation format.
- Upon successful completion of this degree, the student will be able to identify the work of significant writers, literary works, and cultural movements from a variety of diverse communities.
- Upon successful completion of this degree, the student will be able to interpret a selection in light of the significant social and historical factors that inform the text.
- Upon successful completion of this degree, the student will be able to explicate a selection using rhetorical textual analysis.
- Upon successful completion of this degree, the student will be able to apply standard English grammar and mechanics in both written and oral communication.

### **MASS COMMUNICATIONS: MASS MEDIA – AS DEGREE**

- Upon successful completion of this degree, the student will be able to understand 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.
- Upon successful completion of this degree, the student will be able to write a news story that demonstrates effective interviewing and note-taking techniques.
- Upon successful completion of this degree, the student will be able to take press photos, print the photos, and prepare the composition of the photos for publication.
- Upon successful completion of this degree, the student will be able to write a news story of a particular length that can be produced on the air for an allotted time slot.

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- Upon successful completion of this certificate, the student will be able to write a news story of a particular length that can be produced on the air for an allotted time slot.
- Upon successful completion of this certificate, the student will be able to demonstrate knowledge of the broad area of the history, theory, aesthetic principles, and techniques used in motion pictures.

### **MASS COMMUNICATIONS: PRINT MEDIA – AS DEGREE**

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

### **MASS COMMUNICATIONS: PRINT MEDIA – CERTIFICATE**

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

- Upon successful completion of this certificate, the student will be able to write a news story that demonstrates effective interviewing and note-taking techniques.

### **SPANISH – AA-T DEGREE**

- Using critical thinking skills, students will be able to 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.
- In addition, students will be able to write dialogues, letters, reports, summaries and essays on various topics using correct grammar, syntax, punctuation, capitalization, and diacritical marks.
- Furthermore, students will be able to 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**

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### **ASSOCIATE DEGREE NURSING – AS DEGREE**

- Upon completion of the Rio Hondo College Associate Degree in Nursing, the graduate will be aligned in a position to transition into a Bachelor's of Science in Nursing program.
- The student will integrate the simulated clinical experience to enhance clinical performance in all clinical areas

### **VOCATIONAL NURSING – AS DEGREE**

- Graduates 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.
- Graduates will be prepared and have successful pass rate on national vocational nursing exam.
- Graduates will complete all general education (GE) requirements for AS degree, in vocational nursing.

- The student will integrate the simulated clinical experience to enhance clinical performance in all clinical area.

### **VOCATIONAL NURSING – CERTIFICATE**

- The student will integrate the simulated clinical experience to enhance clinical performance in all clinical areas.
- Graduates will be prepared and have successful pass rate on national vocational nursing exam.
- Graduates 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**

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### **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.
- The student will apply fitness concepts, definitions and principles to personal training, group fitness instructions, or health and fitness settings.
- Upon completion of the certificate. Students will have a career in the personal training or fitness instructor field. (Assessment: Student gets a job in a related career, or transfer to a 4-year institution within 3 years).

### **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.

### **ATHLETIC TRAINER'S AIDE – CERTIFICATE**

- Students will conduct a primary & 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 the 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.

## **Mathematics, Sciences, and Engineering Division**

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### **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.

### **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**

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

### **ENVIRONMENTAL TECHNOLOGY – CERTIFICATE**

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

### **GENERAL STUDIES:**

#### **SCIENCE & MATHEMATICS – AS DEGREE**

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

#### **MATHEMATICS – AS-T DEGREE**

- Given the description of a real-world problem, students construct correct equations and/or inequalities to represent the problem and determine the correct solution or set of solutions.

## **Public Safety Division**

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### **ADMINISTRATION OF JUSTICE – AS DEGREE**

- Apply legal definitions, concepts, and principles to law enforcement, courts, or correctional settings.
- Communicate information in a clear and organized manner.
- Analyze ethical dilemmas encountered in the law enforcement and/or corrections fields and decide on the correct ethical choice.
- Apply constitutional, statutory, procedural, and case law to real-life criminal justice situations.

- Adapt to the diverse and multicultural nature of American society in the criminal justice setting.
- 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**

- Apply legal definitions, concepts, and principles to law enforcement, courts, or correctional settings.
- Communicate information in a clear and organized manner.
- Analyze ethical dilemmas encountered in the law enforcement and/or corrections fields and decide on the correct ethical choice.
- Apply constitutional, statutory, procedural, and case law to real-life criminal justice situations.
- Adapt to the diverse and multicultural nature of American society in the criminal justice setting.
- 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**

- Apply concepts related to the entire spectrum of EMS care including: Airway, Ventilation, Oxygenation, Trauma; Cardiology, Medical, and EMS Operations
- Competently perform Patient Assessment (Medical and Trauma) psychomotor skills.
- Competently perform Upper Airway Adjuncts and Suctioning psychomotor skills.
- Competently perform Oxygen and Bag-Valve-Mask (apneic patient) psychomotor skills.
- Competently perform Cardiac Arrest Management and AED psychomotor skills.
- Competently perform Bleeding Control and Shock psychomotor skills.
- Competently perform Spinal Immobilization psychomotor skills.
- Competently perform Fracture and Dislocation Immobilization psychomotor skills
- Competently perform Pre-hospital Childbirth psychomotor skills.

### **FIRE TECHNOLOGY – AS DEGREE**

- 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; identify fire service history, culture, and diversity.

- 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.
- 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.
- Calculate flow requirements for fire apparatus, diagram a pump and plumbing schematic for fire apparatus, and apply mathematic formulae to hydraulics problems.
- Identify and describe the apparatus used in the fire service and the equipment and maintenance of fire apparatus and equipment.
- Identify and describe common types of building construction and conditions associated with structural collapse and firefighter safety.
- Differentiate between fire detection and fire suppression systems; design and diagram a wet and dry fire protection system; identify alarm system components and their operations.
- 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**

- 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; identify fire service history, culture, and diversity.
- 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.
- 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.
- Calculate flow requirements for fire apparatus, diagram a pump and plumbing schematic for fire apparatus, and apply mathematic formulae to hydraulics problems.

- Identify and describe the apparatus used in the fire service and the equipment and maintenance of fire apparatus and equipment. (Elective)
- Identify and describe common types of Fire Suppression Systems (4 basic types).
- 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.

### **BASIC POLICE TRAINING – CERTIFICATE**

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

### **WILDLAND FIRE TECHNOLOGY – AS DEGREE**

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

### **WILDLAND FIRE TECHNOLOGY – CERTIFICATE**

- Safely manipulate wildland fire tools, including shovel, Pulaski, and McLeod.
- Recall the ten Standard Firefighting Orders.
- Deploy a fire shelter.
- Demonstrate proper use of the following tools and equipment: back pump, fuses, and backfire torch.
- Safely function within an Incident Command System environment.
- 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 be able to demonstrate upon completion of the general education requirements.

### **Humanities**

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- Students 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 create or perform artistic works and critically evaluate their efforts.
- Students interpret, analyze, and critique diverse literary texts by means of critical reading, classroom discussion, and composition.
- Students will be able to 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**

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

## **Natural Sciences**

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

## **Kinesiology**

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- 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**

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

## **Social and Behavioral Sciences**

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- 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 that social and behavioral scientists use to examine the human condition.
- Students will develop and communicate alternative explanations or solutions for contemporary social issues.