

Program Learning Outcomes

Cert/Deg Awarded			FIELDS OF STUDY/PLOs
A.A.	A.S.	Cert	
	X	X	<b>Administration of Justice</b>
			1 Demonstrate knowledge and understanding of the U.S. Constitution and the subsequent Amendments pertaining to the Justice System.
			2 Demonstrate knowledge and understanding of the Criminal Justice System to include investigation of crimes, prosecution of offenders in court and incarceration of convicted perpetrators in the Correctional System.
			3 Demonstrate knowledge and understanding of the principles of a law enforcement report, in particular those elements of the Corpus (body) of the criminal act, the proper documentation of Witness Statements and Evidence.
	AS-T		<b>Administration of Justice for Transfer</b>
			1 Demonstrate knowledge and understanding of the U.S. Constitution and the subsequent Amendments pertaining to the Justice System.
			2 Demonstrate knowledge and understanding of the Criminal Justice System to include investigation of crimes, prosecution of offenders in court and incarceration of convicted perpetrators in the Correctional System.
			3 Demonstrate knowledge and understanding of the principles of a law enforcement report, in particular those elements of the Corpus (body) of the criminal act, the proper documentation of Witness Statements and Evidence.
	X	X	<b>Agricultural Business Management</b>
			1 Demonstrate understanding of market trends and influential factors, display critical thinking skills related to production and marketing development, data interpretation as applied to the decision making process related to commercial production and commodity sales.
			2 Display competency with respect to the use of standard lab, industry equipment and techniques used in production
			3 Demonstrate understanding of scientific research and critical thinking skills related to hypothesis development and data interpretation as applied to the decision making process for commercial production.
		X	<b>Agricultural Crop Science</b>
			1 Demonstrate an understanding of fundamental concepts and knowledge related to the selection, propagation and management of various plant commodities produced for food, feed and fiber.
			2 Display competency with respect to the use of standard lab, industry equipment and techniques used in production
			3 Demonstrate understanding of scientific research and display critical thinking skills related to hypothesis development and data interpretation as applied to the decision making process for commercial production.
	X		<b>Agricultural Science</b>
			1 Demonstrate an understanding of fundamental concepts and knowledge related to the selection, propagation and management of various plant commodities produced for food, feed and fiber.
			2 Display competency with respect to the use of standard laboratory, industry equipment and techniques commonly used in production.
			3 Demonstrate understanding of scientific research and display critical thinking skills related to hypothesis development and data interpretation as applied to the decision making process related to commercial production.
	X	X	<b>Air Conditioning and Refrigeration Technology</b>
			1 Demonstrate knowledge of OSHA safety practices required for repair and installation of air conditioning and refrigerant equipment.
			2 Demonstrate and understand practical and manipulative skills relates to HVAC/R industry.
			3 Demonstrate competency and mastery of the body-of-knowledge in employee responsibilities within the HVAC/R industry.

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	X	X	<b>Alcohol and Drug Studies</b>
			1 Demonstrate understanding of the physical and psychological disease of addiction.
			2 Demonstrate an understanding of counseling theory used in addiction counseling.
			3 Demonstrate critical thinking and skills to intervene with an addict and the codependent family.
AA-T			<b>Anthropology for Transfer</b>
			1 Global Cultural Diversity by recognizing the various social institutions, linguistic diversity, the ways societies have adapted to different environments, and modern and traditional health care system. (Cultural Anthropology);
			2 Global Biological Diversity by critically analyzing the evolutionary history of humankind through the fossil record, and the current biological diversity based on scientific evidence of environmental adaptation and the study of genetics. (Biological/Physical Anthropology);
			3 Cultural change and development by comparing and contrasting the different stages of cultural development at various geographic regions of the world and the causal factors that lead towards civilizations, monumental architecture, writing, and social stratification. (Archaeology);
			4 Comparing and contrasting the Indigenous Cultures of North America, their prehistory, language and social diversity, mythology, and adaptation to a diverse geography and environment. (American Indian Studies)
		X	<b>Apprenticeship - Control Operator</b>
			1 Students will receive positive apprentice evaluations on coursework, safety practices, and curriculum applications.
			2 Students will be prepared to take the senior apprentice certification at the completion of one half of the program (ELTT 101-104) and the completion of 4,000 of the on-the-job training hours.
			3 Students will be prepared through the completion of classroom instruction and 8,000 of the on-the-job training hours to successfully pass the State of California journeyman examination and receive the journeyman certification.
	X	X	<b>Apprenticeship - Electrician</b>
			1 Students will receive positive apprentice evaluations on coursework, safety practices, and curriculum applications.
			2 Students will be prepared to take the senior apprentice certification at the completion of one half of the program (ELTT 101-104) and the completion of 4,000 of the on-the-job training hours.
			3 Students will be prepared through the completion of classroom instruction and 8,000 of the on-the-job training hours to successfully pass the State of California journeyman examination and receive the journeyman certification.
	X	X	<b>Apprenticeship - Generation Mechanic</b>
			1 Students will receive positive apprentice evaluations on coursework, safety practices, and curriculum applications.
			2 Students will be prepared to take the senior apprentice certification at the completion of one half of the program (ELTT 101-104) and the completion of 4,000 of the on-the-job training hours.
			3 Students will be prepared through the completion of classroom instruction and 8,000 of the on-the-job training hours to successfully pass the State of California journeyman examination and receive the journeyman certification.

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		X	<b>Apprenticeship - Hydro Operator</b>
			1 Students will receive positive apprentice evaluations on coursework, safety practices, and curriculum applications.
			2 Students will be prepared to take the senior apprentice certification at the completion of one half of the program (ELTT 101-104) and the completion of 4,000 of the on-the-job training hours.
			3 Students will be prepared through the completion of classroom instruction and 8,000 of the on-the-job training hours to successfully pass the State of California journeyman examination and receive the journeyman certification.
		X	<b>Apprenticeship - Instrument Technician</b>
			1 Students will receive positive apprentice evaluations on coursework, safety practices, and curriculum applications.
			2 Students will be prepared to take the senior apprentice certification at the completion of one half of the program (ELTT 101-104) and the completion of 4,000 of the on-the-job training hours.
			3 Students will be prepared through the completion of classroom instruction and 8,000 of the on-the-job training hours to successfully pass the State of California journeyman examination and receive the journeyman certification.
	X	X	<b>Apprenticeship - Meter Technician</b>
			1 Students will receive positive apprentice evaluations on coursework, safety practices, and curriculum applications.
			2 Students will be prepared to take the senior apprentice certification at the completion of one half of the program (ELTT 101-104) and the completion of 4,000 of the on-the-job training hours.
			3 Students will be prepared through the completion of classroom instruction and 8,000 of the on-the-job training hours to successfully pass the State of California journeyman examination and receive the journeyman certification.
	X	X	<b>Apprenticeship - Power Lineman</b>
			1 Students will receive positive apprentice evaluations on coursework, safety practices, and curriculum applications.
			2 Students will be prepared to take the senior apprentice certification at the completion of one half of the program (ELTT 101-104) and the completion of 4,000 of the on-the-job training hours.
			3 Students will be prepared through the completion of classroom instruction and 8,000 of the on-the-job training hours to successfully pass the State of California journeyman examination and receive the journeyman certification.
	X	X	<b>Apprenticeship - Relays Technician</b>
			1 Students will receive positive apprentice evaluations on coursework, safety practices, and curriculum applications.
			2 Students will be prepared to take the senior apprentice certification at the completion of one half of the program (ELTT 101-104) and the completion of 4,000 of the on-the-job training hours.
			3 Students will be prepared through the completion of classroom instruction and 8,000 of the on-the-job training hours to successfully pass the State of California journeyman examination and receive the journeyman certification.
	X	X	<b>Apprenticeship - SCADA/Telecommunications Tech</b>
			1 Students will receive positive apprentice evaluations on coursework, safety practices, and curriculum applications.
			2 Students will be prepared to take the senior apprentice certification at the completion of one half of the program (ELTT 101-104) and the completion of 4,000 of the on-the-job training hours.
			3 Students will be prepared through the completion of classroom instruction and 8,000 of the on-the-job training hours to successfully pass the State of California journeyman examination and receive the journeyman certification.

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	X	X	<b>Apprenticeship - Substation-Electrician</b>
			1 Students will receive positive apprentice evaluations on coursework, safety practices, and curriculum applications.
			2 Students will be prepared to take the senior apprentice certification at the completion of one half of the program (ELTT 101-104) and the completion of 4,000 of the on-the-job training hours.
			3 Students will be prepared through the completion of classroom instruction and 8,000 of the on-the-job training hours to successfully pass the State of California journeyman examination and receive the journeyman certification.
		X	<b>Apprenticeship - Telecommunications Technician</b>
			1 Students will receive positive apprentice evaluations on coursework, safety practices, and curriculum applications.
			2 Students will be prepared to take the senior apprentice certification at the completion of one half of the program (ELTT 101-104) and the completion of 4,000 of the on-the-job training hours.
			3 Students will be prepared through the completion of classroom instruction and 8,000 of the on-the-job training hours to successfully pass the State of California journeyman examination and receive the journeyman certification.
	X	X	<b>Automotive Technology</b>
			1 Describe the purpose of the fundamental automotive systems
			2 Describe the type of skills needed to be an auto technician
			3 Correctly answer ASE certification test questions that require a knowledge of the major parts and systems of a vehicle
X			<b>Behavioral Science</b>
			1 Use critical thinking skills regarding the diversity of individuals and groups within the role of culture, ethnic and economic factors when describing behaviors, attitudes and feelings of people in society
			2 Apply critical thinking skills to explain how anthropology, psychology and sociology influence one another as well as individuals and groups in society
			3 Apply the scientific method to investigate, interpret and discuss Behavioral Science issues and social problems
	X	X	<b>Building Construction Technology</b>
			1 Measure and understand linear dimensions on plans using an architect scale to be able to interpret the actual measurement according to the scale being used.
			2 Perform cost estimates for a construction projects using a local index.
			3 Understand the relationship between tensile strength and compressive strength to understand how they interact under pressure.
		X	<b>Build Const Tech - Carpentry Specialization</b>
			1 Identify four blueprint symbols and learn their meaning and usage in blueprints; compare the identified symbols to symbols used in other countries in order to understand symbol standardization in the world; measure a linear dimension using an architect scale to be able to interpret the actual measurement according to the scale being used.
			2 Create a reliable cost estimate for a construction project in our county based on square footage and compare the same estimate based on labor and material quantities.
			3 Students will create a layout and analyze it and test it to make sure it is perfectly square.
		X	<b>Build Const Tech - Concrete Masonry Specialization</b>
			1 Calculate the quantities in cubic yards using the following formula $L \times W \times D / 27 =$ cubic yards, to be able to estimate actual quantities and place actual orders.
			2 Create a reliable cost estimate for a foundation project in our county based on square footage and compare the same estimate based on labor and material quantities.
			3 Students will create a layout and analyze it and test it to make sure it is perfectly square.

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	X	X	<b>Business Accounting Technician</b>
			1 Perform effective mathematical calculation in a ten-key calculator.
			2 Demonstrate organizational skills by creating and storing professional documents in an effective systematic manner.
			3 Record and report routine accounting transactions.
	AS-T		<b>Business Administration for Transfer</b>
			1 Analyze legal cases and web information sources and effectively communicate the results.
			2 Illustrate basic economic models and use those models to analyze data and reach reasoned conclusions.
			3 Show understanding of accounting information for use in decision-making, controlling, planning and directing operations.
	X	X	<b>Business Administrative Assistant</b>
			1 Demonstrate accuracy and speed in the use of a ten-key calculator.
			2 Apply effective verbal, nonverbal and written communication in a professional manner.
			3 Communicate the importance of soft skills and demonstrate these skills effectively in the workplace.
	X	X	<b>Business Financial Services</b>
			1 Analyze legal cases and web information sources and effectively communicate the results.
			2 Illustrate basic economic models and use those models to analyze data and reach reasoned conclusions.
			3 Show understanding of accounting information for use in decision-making, controlling, planning and directing operations.
	X	X	<b>Business Management</b>
			1 Analyze legal cases and web information sources and effectively communicate the results.
			2 Show understanding of accounting information for use in decision-making, controlling, planning and directing operations.
			3 Demonstrate an ability to productively work as a team member with people of diverse experiences and backgrounds.
	X	X	<b>Business Marketing</b>
			1 Analyze legal cases and web information sources and effectively communicate the results.
			2 Show understanding of accounting information for use in decision-making, controlling, planning and directing operations.
			3 Comprehend and utilize the steps of the marketing research process.
	X	X	<b>Business Office Technician</b>
			1 Design and create business documents using Microsoft Office Suite.
			2 Apply accurate written, verbal and nonverbal techniques in order to communicate effectively.
			3 Demonstrate the necessary skills to show job readiness.
		X	<b>CSU GE-B</b>
			1 See GE Program Outcomes/Course Alignment Grid
	X		<b>Child Development</b>
			1 Exhibit grounding in a child development knowledge base.
			2 Demonstrate knowledge in building relationships with children, family and community.
			3 Observe, document, and assess to support young children and families.
			4 Demonstrate developmentally effective approaches to create positive relationships and supportive interactions as the foundation in working with children and families from diverse societies.
			5 Use content knowledge to build meaningful curriculum
			6 Demonstrate professionalism

Program Learning Outcomes

		X	<b>Child Development - Administration Specialization</b>
			1 Prioritize, organize and manage the logistics of an early Care and Education program including; staff training, evaluation, budget, and community relations.
			2 Supervise staff, assistants, aids, and teachers in an early care and education setting.
			3 Create a developmentally appropriate learning environment for children in an early care and education setting.
			4 Assess the development of children for the purposes of curriculum planning and implementation.
			5 Recognize, integrate and value the individualized needs of the diverse children and their families.
		X	<b>Child Development - Associate Teacher</b>
			1 Describe and apply principles of cognitive, physical, and social emotional development for young children birth to adolescence.
			2 Identify components of quality early childhood programs.
			3 Assist in the planning and implementation of developmentally appropriate activities and environmental design.
			4 Observe and document children’s development in partnership with families for positive influence on children’s development.
		X	<b>Child Development - Infant/Toddler Specialization</b>
			1 Recognize the importance of infancy as a unique time in children’s development that requires specialized developmentally appropriate activities, routines, interactions, and guidance.
			2 Distinguish the unique needs of children less than three years from older children in areas of health, safety, environmental design, curriculum, and social emotional development.
			3 Understands the importance of establishing positive child, family, and provider relationships.
		X	<b>Child Development - School Age Specialization</b>
			1 Create appropriate environments for a variety of before and after-school programs, and full day programs.
			2 Demonstrate respectful and positive interactions that value diverse children and families.
			3 Demonstrate positive guidance strategies that promote self discipline and positive interactions among peers.
	X	X	<b>Cisco CCNA Discovery</b>
			1 Demonstrate aptitude and competence for working with Cisco routers, switches and Cisco IOS.
			2 Show the practical skills required for associate-level networking support positions.
			3 Demonstrate skills necessary to pass two different Cisco certification exams, CCENT or CCNA.
X			<b>Communication Arts</b>
			1 Students will be able to construct and articulate a basic case for a parliamentary debate.
			2 Students will be able to recognize and avoid using ten logical fallacies during classroom presentations.
			3 Students will be able to write and submit five properly-worded debate propositions
AA-T			<b>Communication Studies for Transfer</b>
			1 Students will be able to construct and articulate a basic case for a parliamentary debate.
			2 Students will be able to recognize and avoid using ten logical fallacies during classroom presentations.
			3 Students will be able to write and submit five properly-worded debate propositions

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	X		<b>Computer Information Systems</b>
			1 Describe the general characteristics of a computer system and identify types of computer hardware and software and explain their functions.
			2 Show understanding of accounting applicable to recording and reporting of business transactions and show proficiency utilizing computerized financial software.
			3 Create computer programs using a program language that incorporates good design principles and meets specifications.
	X		<b>Computer Science</b>
			1 Manage a programming project from start to finish, both individually and in teams.
			2 Think critically and utilize qualitative and quantitative reasoning skills to design and implement an effective problem solution.
			3 Apply algorithmic and symbolic thinking to the problem-solving process.
	X	X	<b>Correctional Science</b>
			1 Identify the basic concepts between Probation and Parole and the role they play in the criminal justice arena.
			2 Identify the methods used and the purposes of institutional safety and how it relates to the structure and organization of inmate control and supervision.
			3 Identify the various kinds of interventions available and the techniques used in the industry.
		X	<b>Court Services Specialist</b>
			1 Design and create business documents using Microsoft Office Suite.
			2 Apply accurate written, verbal and nonverbal techniques in order to communicate effectively.
			3 Demonstrate the ability to work productively as a team member with people of diverse experiences and backgrounds.
	AS-T		<b>Early Childhood Education for Transfer</b>
			1 Exhibit grounding in a child development knowledge base.
			2 Demonstrate knowledge in building relationships with children, family and community.
			3 Observe, document, and assess to support young children and families.
			4 Demonstrate developmentally effective approaches to create positive relationships and supportive interactions as the foundation in working with children and families from diverse societies.
			5 Use content knowledge to build meaningful curriculum
			6 Demonstrate Professionalism
	X	X	<b>Electrical Technology</b>
			1 Demonstrate knowledge of OSH safety practices required installation and repairs of electrical wiring.
			2 Use written and verbal communication skills to related trade and technical information for blueprint.
			3 Understand and demonstrate the necessary skills to become employed in the electrical field.
		X	<b>Electrical Technology: Electrical Wiring Specialization</b>
			1 Service and repair electrical appliances, overprotection devices.
			2 Safety procedures to install and calculate capacities for light system, motors and transformers.
			3 Internship
		X	<b>Electrical Technology: Electronics Specialization</b>
			1 Assembly Electronic Devices with Instrumentation Circuits.
			2 Identify logic circuits used on computer and audiovisual equipment.
			3 Take internship opportunities for work experience and job placement
		X	<b>Electrical Technology: Solar Energy Specialization</b>
			1 Identify and describe the principles of photovoltaic (solar).
			2 Describe and explain the National Electrical Codes for solar electrical circuits.
			3 Identify the principles of electrical alternative energy system.

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	X	X	<b>Electrical Trades</b>
			1 Demonstrate knowledge of OSH standard safety procedures appropriate to the power utility industry. In addition, the student will use mathematical functions pertaining to 0 percentages, fractions, decimals, weights, measurements, algebraic equations, and fundamentals of <del>geometry applicable to electrical and electronics</del>
			2 Describe the functions and characteristic of transmission and distribution system and their components which consist of high voltage AC power, electrical diagrams, safety in the <del>workplace, and a section on rope, rigging and hand signals.</del>
			3 Demonstrate and understand the basic introductioOn to framing, setting, guying poles, installation of conductors and grounds and the laying out and constructing of an underground line system.
	X	X	<b>Emergency Medical Services</b>
			1 Students meet or exceed pass rates set for national licensing exam (National Registry).
			2 Students meet or exceed pass rates set for national licensing skills exam (National Registry).
			3 Students meet the minimal certification standards for ACLS, PALS, and BLS Instructor
	X	X	<b>Energy Efficiency Technology</b>
			1 Calculate the quantities of air leakage in cubic feet per minute using the following formula.
			2 Create a reliable cost estimate for insulating an attic with loose fill insulation based on square footage.
			3 Students will perform a duct blaster test to determine leakage of a system.
AA-T			<b>English for Transfer</b>
			1 Demonstrate command of rules regarding plagiarism and academic ethics.
			2 Explicate and evaluate textual material in literature and rhetoric.
			3 Produce an effective research paper using logical reasoning and analysis.
<b>ESL Program</b>			<b>ESL Program</b>
			1 Students will produce a paragraph (8-10 sentences) that demonstrates their ability to use a standard academic organizational pattern, topic sentence, supporting sentences, and <del>concluding sentence using correct grammar and punctuation.</del>
			2 Students will produce a speech/presentation (3-5 minutes) that demonstrates their ability to communicate the main idea, provide opinions, reasons and examples using clear and accurate <del>pronunciation and grammar.</del>
			3 Students will produce a graphic organizer based on a reading passage that demonstrates their ability to understand the text structure including main ideas and major and minor details.
	X	X	<b>Fire Technology</b>
			1 Students will be able to apply emergency incident management strategies in relationship to incident command systems in public and private fire protection careers.
			2 Students will demonstrate management concepts and practices including decision making, leader styles, personnel evaluations & counseling techniques.
			3 Demonstrate knowledge of the different types of non-water based fire suppression systems and how each is used to extinguish fire.
		X	<b>Firefighter I</b>
			1 Students will demonstrate knowledge and appropriate use of fire equipment for a given firefighting scenario.
			2 Students will demonstrate appropriate selection and implementation of firefighting methods <del>and application of the Incident Command and Emergency Management Systems.</del>
			3 Demonstrate knowledge of the Unified Command system and use of its branches and divisions.
X			<b>French</b>
			1 Demonstrate the ability to communicate with native speakers of French.
			2 Demonstrate cultural awareness.



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	X		<b>General Science</b>
			1 Demonstrate understanding of scientific inquiry. Explain and apply the scientific method.
			2 Provide experimental foundation for concepts introduced during lecture. Develop quantitative and qualitative skills of data analysis and ability to observe, interpret, communicate and synthesize various types of information from diverse sources.
			3 Develop an understanding and appreciation of the natural world and interactions between and among Earth's systems (biosphere, hydrosphere, atmosphere and geosphere) and beyond (exosphere).
AA-T			<b>History for Transfer</b>
			1 Display knowledge of important societies, cultures, people, and events in the history of the world, describing the causes and impacts of key historical events.
			2 Identify and describe how and why different people, societies, and cultures have interacted with each other and how those interactions changed and influenced human communities in different times and places.
			3 Research, evaluate, analyze, and interpret different types of historical texts and information and effectively present conclusions and results in well-crafted oral and/or written forms.
X			<b>Humanities</b>
			1 Student will be able to think critically in reading about topics in philosophy, religion, art and music, thereby identifying problems.
			2 Demonstrate an awareness of the impact of societal expectations and behaviors on individuals and cultures.
			3 Analyze, discuss and debate the impact on the development of theory and cultural practices.
		X	<b>Intersegmental General Education Transfer Curriculum (IGETC)</b>
			1 See GE Program Outcomes/Course Alignment Grid
	X		<b>Journalism</b>
			1 Demonstrate the ethical responsibilities and practices of the journalism profession.
			2 Demonstrate critical analysis in the research- and information-gathering processes.
			3 Demonstrate communication skills in writing and editing news stories.
AA-T			<b>Kinesiology for Transfer</b>
			1 Identify common injuries in the field of athletics and physical education, and then discuss short-term and long-term treatment plans.
			2 List various occupations in the field of physical education and exercise science, and then summarize the educational requirements for employment in each field.
			3 Demonstrate skills needed to meet the minimal certification standards when performing first aid and CPR as required by either the American Red Cross (ARC) or American Heart Association (AHA).
			4 Demonstrate safe and effective exercise techniques, as well as improved fitness in the four areas of exercise principles (Cardio-respiratory Endurance, Muscular Strength and Endurance, Flexibility, and Body Composition).
X		X	<b>Legal Assistant</b>
			1 Analyze legal cases, demonstrate expertise using terminology and technology required for work in the legal industry.
			2 Demonstrate understanding of systems and procedures for administration of a law office.
			3 Demonstrate a comprehensive working knowledge and understanding of legal research materials and tools.
X			<b>Liberal Studies (General Option - Elem Teach Prep)</b>
			1 See GE Program Outcomes/Course Alignment Grid
X			<b>Liberal Studies (SDSU Option - Elem Teach Prep)</b>
			1 See GE Program Outcomes/Course Alignment Grid

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	X		<b>Life Science</b>
			1 Students will demonstrate an understanding of fundamental biological concepts and knowledge of the structure and function of living organisms.
			2 Students will display competency with respect to the use of standard laboratory equipment and techniques commonly used in life science labs.
			3 Students will understand the process of scientific research and display critical thinking skills related to hypothesis development, experimentation and data interpretation.
			4 Students will develop a foundation in biology strong enough to allow the successful completion of any attempted 200-level biology course(s).
	X		<b>Mathematics</b>
			1 Students will use mathematical reasoning to solve problems and a generalized problem solving process to work word problems.
			2 Students will learn mathematics through modeling real-world situations.
			3 Students will use appropriate technology to enhance their mathematical thinking and understanding, solve mathematical problems, and judge the reasonableness of their results.
	AS-T		<b>Mathematics for Transfer</b>
			1 Students will use mathematical reasoning to solve problems and a generalized problem solving process to work word problems.
			2 Students will learn mathematics through modeling real-world situations.
			3 Students will use appropriate technology to enhance their mathematical thinking and understanding, solve mathematical problems, and judge the reasonableness of their results.
		X	<b>Medical Assistant</b>
			1 Successfully complete front office/administrative externship with an employer assessment of student.
			2 Successfully complete back office/clinical externship with an employer assessment of the student.
			3 Successfully identify correct medical terminology used in patient care and procedures.
	X	X	<b>Multimedia and Web Development</b>
			1 Produce and present ideas visually and apply principles of development in multimedia.
			2 Demonstrate visual techniques and design web page and web layouts with appropriate software that is technically and visually sound.
			3 Create digital publications that are professionally designed and modified to fit the needs of clients.
AA-T			<b>Music for Transfer</b>
			1 History: The student will know the stylistic and historic periods of music, and the music terminology needed to identify and understand all the elements of music.
			2 Music Theory: The student will have knowledge of key signatures, evolution of harmonic development and fundamental keyboard understanding and skills.
			3 Performing Skills: The student will gain performing skills in different types of repertoire from a variety of musical periods.
	X		<b>Nursing - R.N. (Associate Degree)</b>
			1 Students meet or exceed pass rates set for national licensing exam (NCLEX-RN).
			2 Student cohort "complete on-time" rate.
			3 Students demonstrate comprehensive knowledge of registered nursing prior to exiting NURS 241.
	X	X	<b>Nursing - V.N. (Vocational)</b>
			1 Students meet or exceed pass rates set for national licensing exam (NCLEX-VN).
			2 Student cohort "complete on-time" rate.
			3 Students demonstrate comprehensive knowledge of vocational nursing prior to exiting VN 132

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	X	X		<b>Pharmacy Technician</b>
			1	Demonstrate knowledge of accurate calculations for oral and parenteral dosages.
			2	Demonstrate knowledge of accurate medication compounding and identification of patients that need to be counseled by a licensed pharmacist.
			3	Demonstrate knowledge of legal requirements related to the pharmacy technician role.
	X			<b>Physical Education</b>
			1	List various occupations in the field of physical education and exercise science, and then summarize the educational requirements for employment in each field.
			2	Identify common injuries in the field of athletics and physical education, and then discuss short-term and long-term treatment plans.
			3	Demonstrate skills needed to meet the minimal certification standards when performing first aid and CPR as required by either the American Red Cross (ARC) or American Heart Association (AHA).
			4	Demonstrate safe and effective exercise techniques, as well as improved fitness in the four areas of exercise principles (Cardio-respiratory Endurance, Muscular Strength and Endurance, Flexibility, and Body Composition).
	X			<b>Physical Science</b>
			1	Be able to observe repeatable physical interactions, collect data and apply the scientific method to identify their physical origins.
			2	Demonstrate, in a clear and concise manner, how to analyze and solve problems and to evaluate and test the correctness of the proposed solution.
			3	Demonstrate a proficiency in their oral and written communications of their scientific work and ideas in group and/or laboratory exercises.
AA-T				<b>Political Science for Transfer</b>
			1	Use critical thinking skills to develop an understanding of the international community.
			2	Develop an appreciation and understanding of the American political system from historical, political, economic, and social perspectives.
			3	Develop an understanding of the world's major political ideologies to include liberalism, socialism, communism, and conservatism.
	X			<b>Pre-Engineering</b>
			1	Have a working knowledge of the theories and principles of physics in the areas of Newtonian mechanics, gravitation, electricity and magnetism, wave motion and physical optics.
			2	Be acquainted with standard methods of mathematical analysis including trigonometry and analytic geometry, differential and integral calculus, matrices and linear algebra, and the solutions to differential equations.
			3	Can use the computer to store and process technical data, to access information remotely over the internet, and as a computational tool related to the engineering process.
AA-T				<b>Psychology for Transfer</b>
			1	Demonstrate understanding and analyze the major theoretical perspectives, historical trends, and current research in psychology.
			2	Demonstrate and understanding of the interaction of the biological basis of behavior, cognition and emotion with the environmental basis for behavior, cognition and emotion.
			3	Demonstrate critical thinking by applying psychological theory and the scientific approach, to understanding and solving diverse personal and social issues related to behavior and/or cognition.
X				<b>Social Science</b>
			1	Demonstrate clear and effective writing about a specified social science concentration of study.
			2	Demonstrate clear and effective oral communication about a specified social science concentration of study.
			3	Relate knowledge associated with a specified social science concentration of study to global and indigenous perspectives.

Program Learning Outcomes

AA-T			<b>Sociology for Transfer</b>
			1 Demonstrate an understanding of how social structures (families, schools, churches, laws) influence day to day experiences of individuals.
			2 Demonstrate the ability to find information, assess evidence and evaluate arguments in empirical studies.
			3 Demonstrate the ability to be able to find empirical studies and assess the evidence in those studies.
X			<b>Spanish - Native Speaker</b>
			1 Analyze and evaluate literary texts through writing.
			2 Successfully identify and differentiate between verb tenses in the subjunctive mood
X			<b>Spanish - Non-Native Speaker</b>
			1 Analyze and evaluate literary texts through writing.
			2 Successfully identify and differentiate between verb tenses in the subjunctive mood
AA-T			<b>Studio Arts for Transfer</b>
			1 Critically analyze, interpret, and evaluate works of art
			2 Develop a foundation of art skills and a high level of craftspersonship by utilizing a variety of tools and technologies associated with the visual arts.
			3 Use a diverse range of global events to express personal ideas and opinions through artwork.
			4 Identify the theoretical, cultural, and historical contexts of art.
			5 Demonstrate appropriate skills needed to articulate their conscious artistic intentions, and express coherent aesthetics.
X			<b>University Studies</b>
			1 See GE Program Outcomes/Course Alignment Grid
	X	X	<b>Water Treatment Systems Technology</b>
			1 Interpret and use analytical data to perform operational adjustments.
			2 Assume responsibility for water treatment operational changes
			3 Understand and evaluate issues concerning the proper use and distribution of the water natural resources.
		X	<b>Water Treatment Systems Technology: Wastewater Treatment Specialization</b>
			1 Demonstrate knowledge of: Water source, treatment, flocculation, sedimentation, odor control, plant operation and laboratory procedures.
			2 Ability to calculate all basic mathematic problems that applied to treatment plant operations. This calculation includes fractions decimals, percentages, ratios, proportions, volumes, metric system and estimation.
			3 Develop preventative maintenance programs and maintain records of inspection and repair for all water works.
	X	X	<b>Welding Technology</b>
			1 Explain the hierarchy of "Hazard Control" in a Welding Environment and how this relates to Occupational Safety and Health, to include; (1) Identification of Hazards, (2) Elimination of Hazards, (3) Administration of Hazards, (4) Engineering Controls, and (5) Personal Protective Equipment
			2 Demonstrate an understanding of Oxyacetylene Welding and Cutting to include the proper and safe procedures for set-up and use of related equipment.
			3 Define and explain the Physical and Mechanical properties of metals and how these influence the development of Performance Qualification Records (PQR) and Welding Procedure Specifications (WPS) related to welding processes and applications.
			4 Explain and Demonstrate the proper set-up and use of all related components used in Gas Tungsten Arc Welding (GTAW).
			5 Using the prescribed specifications and accepted parameters, apply the predetermined inspection criteria to assess "acceptable" weld samples for Destructive and Nondestructive testing.