

Pueblo Community College

PSLO Presentation

Date: 04/12/2017

Advanced Manufacturing
Electronics
<ul style="list-style-type: none"> • 1. Apply critical thinking skills in building electronic and hydraulic circuits.
Engineering
<ul style="list-style-type: none"> • 1. Apply critical thinking skills in building electronic and hydraulic circuits.
Engineering Technology
<ul style="list-style-type: none"> • 1. Recognize and explain ethical standards and business practices of civil engineering professionals. (Professionalism & Business Practices) • 2. Design systems, components, or processes for civil engineering technology problems. (Design Process) • 3. Summarize the concepts, principles, and theories of sustainability as they pertain to building methods, material, and systems. (Global Perspective for Design) • 4. Apply a variety of techniques, skills, and tools appropriate to a range of the civil engineering technology activities. (Technique) • 5. Employ conventions of communication appropriate to a range of building purposes. (Communication)
Machining Technology
<ul style="list-style-type: none"> • PSLO #1: Use applied mathematics using NIMS process-planning work sheets and related lab work. • PSLO #2: Become Mastercam certified using MastercamU software. • PSLO #3: Interpret principles and demonstrate mastery of the set up and operation of the CNC Lathe. • PSLO #4: Interpret principles and demonstrate mastery of the set up and operation of the CNC Mill. • PSLO #5: Demonstrate mastery in geometric construction and tool-pathing competencies required to pass the Mastercam certification test. • PSLO #6: Interpret principles and demonstrate mastery of the set up and operation of the manual Lathe. • PSLO #7: Interpret principles and demonstrate mastery of the set up and operation of the Manual Mill.
Automotive Technology
<ul style="list-style-type: none"> • PSLO 01: Collect preliminary information on presenting problem from customer. • PSLO 02: Examine selected vehicle area to verify the problem. • PSLO 03: Troubleshoot vehicle systems related to problem areas as appropriate for symptoms that present. • PSLO 04: Interpret vehicle information to determine a diagnosis and repairs needed to correct the problem. • PSLO 05: Clearly communicate findings (diagnosis of problem and recommended repairs) to customer in repair order. • PSLO 06: Perform necessary vehicle repairs to correct diagnosed problem. • PSLO 07: Manage time effectively while conducting repairs. • PSLO 08: Demonstrate commitment to professional development in the automotive industry. • PSLO 09: Document compliance with industry practices for automotive repair. • PSLO 10: Adhere to industry expectations for dress code and professional interactions with coworkers and customers. • PSLO 11: Express respect and appreciation for coworkers and customers in a diverse automotive industry.
Business
Accounting
<ul style="list-style-type: none"> • PSLO 1: Describe fundamental concepts of accounting. • PSLO 2: Prepare and analyze financial statements. • PSLO 3: Effectively communicate in a business environment through accurate preparation of journal entries and financial statements. • PSLO 4: Utilize various technology functions to accomplish accounting tasks. • PSLO 5: Interpret and apply cost- volume- profit analysis. • PSLO 6: Demonstrate use of budget planning and control.

Business, Management, & Marketing
<ul style="list-style-type: none"> • PSLO 1: Describe fundamental concepts of business terminology, concepts and theories. • PSLO 2: Create accurate and effective presentations. • PSLO 3: Use mathematical skills to solve business problems. • PSLO 4: Think creatively and solve problems, as they relate to common business practices. • PSLO 5: Communicate effectively orally and in writing. • PSLO 6: Demonstrate an understanding of professional ethical principles and work ethically in pursuit of accuracy and transparency.
Economics
<ul style="list-style-type: none"> • PSLO 1: Analyze financial statements. • PSLO 7: Articulate and understand both sides of controversial issues. • PSLO 5: Communicate effectively orally and in writing. • PSLO 2: Create accurate and effective presentations. • PSLO 4: Think creatively and solve problems, as they related to common business practices. • PSLO 3: Use mathematical skills to solve economic or business problems. • PSLO 6: Discuss professional and ethical principles and be able to work ethically in pursuit of accuracy and transparency.
Public Service
<ul style="list-style-type: none"> • PSLO 1: Discuss leadership principles and public service. • PSLO 2: Apply principles of leadership in public service.
Business & Office Tech.
Business Technologies
<p>PSLO</p> <ul style="list-style-type: none"> • 1. Coordinate, organize, and manage office projects effectively. • 2a. Work independently. • 2b. Work as part of a team. • 3. Explain the major functions of business in a democracy including economics, finance, human resources, management, and marketing. • 4. Provide excellent customer service to both internal and external customers of their organizations. • 5. Recognize how both legal and ethical decision making will impact business. • 6. Demonstrate the written and verbal skills that contribute to success in an office environment. • 7. Perform job readiness skills to be successful in a job search.
Health Info. Tech.
<ul style="list-style-type: none"> • 1a. Explain and discuss medical and legal vocabulary as it relates to Healthcare Information Management (HIM) and Health Information Technology (HIT). • 1b. Apply medical and legal vocabulary as it relates to Healthcare Information Management (HIM) and Health Information Technology (HIT). • 2. Analyze and evaluate medical documentation as components of a medical record and relate established state and federal regulations, standards, and guidelines for implementation or use. • 3a. Apply information technology in the use, access, and protection of healthcare records and healthcare software/systems (EHR, HIM, PM, CAC). • 3b. Investigate the use, access, and protection of healthcare records and healthcare software/systems (EHR, HIM, PM, CAC). • 4. Perform job readiness skills to be successful in a job search.
Computer Info. Systems
Computer & Networking Technology
<ul style="list-style-type: none"> • 1. Properly divide a block of network addresses into functional sub-networks. • 2. Identify the 7 layers of the OSI model
Cosmetology
<ul style="list-style-type: none"> • PLSO5: Demonstrate the knowledge for the state board practical exam upon completion of the program. • PSLO1: Perform a basic introductory skill or service.

Dental Assisting

Dental Assisting Program Student Learning Outcomes

- PSLO #1 - Demonstrate knowledge and skill required to competently perform clinical dental assisting functions.
- PSLO #10 - Apply knowledge to utilize various methods of advanced dental technology.
- PSLO #11 - Demonstrate and apply knowledge and skill in radiation health and safety and produce various dental diagnostic images.
- PSLO #12 - Foster a responsibility and awareness of community involvement and continuing education for the enhancement of personal growth and development within the dental profession.
- PSLO #2 - Practice optimal patient care utilizing established and accepted dental assisting techniques under the supervision and direction of a licensed practitioner.
- PSLO #3 - Validate academic knowledge to successfully pass the DANB examination allowing them national certification with the Dental Assisting National Board to become certified dental assistants.
- PSLO #4 - Demonstrate professional and ethical conduct to function effectively and appropriately in social and professional dental industry situations and settings.
- PSLO #5 - Produce effective oral and written communication for patient education and instruction related to dental care.
- PSLO #6 - Employ effective interpersonal skills by demonstrating appropriate conduct while performing the roles and responsibilities of a Dental Assisting professional.
- PSLO #7 - Apply foundational knowledge and critical thinking skills to demonstrate patient education, patient assessment, and clinical evaluation for dental care.
- PSLO #8 - Interpret and apply infection control principles and standards to maintain a safe working environment within the dental field.
- PSLO #9 - Demonstrate the ability to operate and utilize a dental practice management and clinical software system.

Dental Hygiene

AAS PSLOs

- 1. a. Recognize and explain dental hygiene rules and regulations established by state licensing agencies.
- 1. b. Model the dental hygiene professional code of ethics.
- 1.c. Apply principles of risk management and infection/hazard control to prevent liability and support patient/client health.
- 1. d. Provide compassionate and competent oral health care in a variety of settings and to a variety of individuals without discrimination.
- 2. a. Offer patient education and counsel to reduce health risks and promote wellness.
- 2. b. Collaborate with patients/clients and other health professionals to deliver a comprehensive and continuous health care plan that meets the needs of the patient/client.
- 3. a. Systematically collect and record relevant data on the patient/client.
- 3. b. Interpret patient/client data to identify needs and oral health problems.
- 3. c. Apply evidence-based decision making using methods consistent with the dental hygiene scope of practice and legal principles to establish a diagnosis.
- 3. d. Formulate a comprehensive dental hygiene care plan that meets the needs of the patient/client.
- 4. a. Provide preventive and therapeutic services that promote oral health according to the needs of the patient/client.
- 4. b. Evaluate the effectiveness of the implemented dental hygiene care plan by using indices, instruments, examination techniques and the patient/client satisfaction survey.
- 4. c. Modify dental hygiene care plan and refer patient/client for follow-up care as needed.
- 5. a. Advance the profession through service activities and affiliations with professional organizations.
- 5. b. Promote the values of the profession to the public and outside organizations.
- 5. c. Assume professional responsibilities through personal growth and life-long learning.

BAS PSLOs

- 1. Compare and contrast current and emerging issues and trends facing the profession of dental hygiene today.
- 2. Communicate effectively with peers and instructors to formulate a clear and precise point of view
- 3. Effectively use technology to locate, relate and communicate information.
- 4. Create and implement instructional best practices to facilitate effective teaching and student learning.
- 5. Demonstrate the ability to problem solve effectively utilizing evidenced based strategies and decision making processes.
- 6. Promote and recognize the science of public health through education and service activities.

Early Child/Educ/Library
Early Childhood Ed.
<ul style="list-style-type: none"> • 1a. Apply the Developmental Domains in developing lesson plans using content knowledge and resources of the academic discipline (such as language and literacy, the arts, mathematics, science, physical education, health and safety, and social studies). • 1b. Discuss the goals, benefits, and uses of assessment in developing appropriate goals, curriculum, and teaching strategies for young children. • 1c. Recognize and explore young children's characteristics, needs, and influences on early development and learning. • 2a. Demonstrate effective communication skills for collaborating with families and colleagues. • 2b. Create healthy, respectful, supportive, and challenging learning environments for young children. • 2c. Demonstrate awareness of diverse family and community characteristics. • 2d. Develop a plan to involve families and communities in young children's development and learning. • 3a. Describe how classroom arrangement maximizes learning in all developmental domains. • 3b. Discuss appropriate early learning standards and other resources for designing, implementing, and evaluating developmentally meaningful and challenging curriculum for each child. • 4. Apply a broad repertoire of developmentally appropriate teaching/learning approaches, including technology. • 5. Reflect on own practice to promote positive outcomes for each child. • 6a. Identify and involve oneself with the early childhood field. • 6b. Uphold ethical standards and other early childhood professional guidelines. • 6c. Engage in continuous, collaborative learning to inform practice. • 6d. Integrate knowledgeable, reflective, and critical perspectives on early education. • 6e. Engage in informed advocacy for young children and the early childhood profession. • 7a. Observe and practice in early education settings. • 7b. Apply observation, documentation, and other appropriate assessment tools and approaches.
Emergency Medical Svcs.
<ul style="list-style-type: none"> • Analyze patient information obtained through interview, assessment and/or report to list potential differential diagnoses. • Correctly perform all skills appropriate to an entry level EMS provider • Demonstrate professional and compassionate communication during contact with patients, bystanders, coworkers and other health care providers. • Demonstrate professional behavior in the classroom, clinical and internship settings. • Demonstrate scene safety and safe attitudes in the class, lab, clinical and field settings. • Demonstrate the ability to team lead with the cognitive, psychomotor and affective skills necessary for an entry level EMS provider. • Develop a treatment plan based on patient information and presentation. • Model team interaction using crew resource management. • Provide accurate, timely and complete documentation of each patient encounter.
English
College Composition & Reading
<ul style="list-style-type: none"> • PSLO1: Create and develop within the context of the situation and the assigned tasks. • PSLO2: Apply formal and informal conventions of writing, including organization, content, presentation, formatting, and stylistic choices, in particular forms/fields. • PSLO3: Critically read and evaluate a variety of college-level texts in multiple genres
Communication
<ul style="list-style-type: none"> • 01. Describe the Communication discipline and its central questions • 02. Employ Communication theories, perspectives, principles, and concepts. • 03. Engage in Communication inquiry. • 04. Create messages appropriate to the audience, purpose, and context. • 05. Critically analyze messages. • 06. Demonstrate the ability to accomplish communicative goals (self-efficacy). • 07. Apply ethical communication principles and practices. • 08. Utilize communication to embrace difference • 09. Influence public discourse.

English
<ul style="list-style-type: none"> • 01. Create and develop ideas within the literary context. • 02. Critically read, evaluate, apply, and synthesize evidence to make a claim about a literary work or works. • 03. Follow MLA documentation style. • 04. Evaluate the contextual relevance of specific era(s) and/or specific culture(s) when presenting a position on a work (or works) of literature. • 05. Identify and analyze one's own and others' assumptions about literary subjects, themes, and authors. • 06. Formulate and defend a conclusion by applying knowledge of elements of literature. • 07. Reflect on the implications and consequences of one's stated conclusion.
Fine Arts & Humanities
Art
<ul style="list-style-type: none"> • 1. Identify the visual elements and principles of design. • 2. Analyze and critically evaluate works of art. • 3. Evaluate influences in the development of artistic styles. • 4. Explore alternate, divergent, or contradictory perspectives or ideas within the context of visual forms and processes.
Humanities
<ul style="list-style-type: none"> • Analyze and critically evaluate works of art (visual, performing or literary). • Evaluate the relevance of context in understanding art in its various forms • Formulate a claim related to the study of Humanities using appropriate sources, evidence and documentation.
Music
<ul style="list-style-type: none"> • Define the basic elements of music and demonstrate the ability to recognize their use in a musical composition
Philosophy
<ul style="list-style-type: none"> • Analyze philosophical and/or theological arguments and concepts • Evaluate the efficacy of philosophical and/or theological arguments and concepts • Formulate solutions to philosophical and/or theological problems • Identify philosophical and/or theological arguments and concepts
Spanish
<ul style="list-style-type: none"> • 1. Interpret authentic written and oral texts to identify the main idea, keywords and specific detail. • 2. Initiate, comprehend, and maintain a simple conversation. • 3. Recognize the cultures of the Spanish speaking countries and relate to the dynamic and diverse nature of products, practices and perspectives of their cultures.
Fire Science Technology
<ul style="list-style-type: none"> • 1. Demonstrate professional demeanor during interactions with others on campus.
Hospitality & Culinary
Culinary Arts
<ul style="list-style-type: none"> • Apply critical thinking skills in a variety of customer service and industry settings. • Manipulate recipes and formulas using weights and volume measurements with industry specific tools and technology. • Professionally demonstrate organization in an industry setting. • Professionally demonstrate time management in an industry setting. • Use technology common to industry settings in food service operations.
Law Enforcement Academy
<ul style="list-style-type: none"> • 1a: Interpret available information in investigating criminal violations. • 1b: Evaluate the relevance of evidence in investigating criminal violations • 1c: Apply the appropriate techniques in investigating criminal violations • Demonstrate a thorough working knowledge of the Colorado Criminal Code • Demonstrate the ability to choose and utilize the proper degree of use of force to effect an arrest

Mathematics
<ul style="list-style-type: none"> • 1. Interpret Information: Explain information presented in mathematical forms (e.g., equations, graphs, diagrams, tables, words). • 2. Represent Information: Convert information into and between various mathematical forms (e.g., equations, graphs, diagrams, tables, words). • 3. Address Assumptions: Describe and support assumptions in estimation, modeling, and data analysis, used as appropriate for the course (for statistics courses). • 4. Perform Calculations: Solve problems or equations at the appropriate course level, and use appropriate mathematical notation • 5. Apply & Analyze Information: Make use of graphical objects (such as graphs of equations in two or three variables, histograms, scatterplots of bivariate data, geometrical figures, etc.) to supplement a solution to theoretical and application problems at the appropriate course level. • 6. Communicate Using Mathematical Forms (Quantitative Literacy: Express mathematical analysis symbolically, graphically, and in written language that clarifies/justifies/summarizes reasoning (may also include oral communication).
Media Communications
Multimedia and Graphic Design
<ul style="list-style-type: none"> • PSLO 01: Select tools and technologies appropriate for the communications professions in which they work. • PSLO 02: Effectively use industry required digital media technology/software to execute media based projects appropriate the field in which they work. • PSLO 03: Analyze information [research] needed to make informed decisions appropriate for the media communications professions. • PSLO 04: Demonstrate essential design/communication skills by creating visual/written solutions to communication problems. • PSLO 05: Interpret the diversity of demographics in community, country and global society in accordance with media communication best practices. • PSLO 06: Critically evaluate their own work and that of others for clarity, appropriate style, correct use of technology, and grammatical correctness as required within a variety of written and/or visual media communications solutions. • PSLO 07: Adapt to the changing environment of merging media and its impact social, cultural, ethical, and economic issues. • PSLO 08: Contribute abilities to work cooperatively as a team in order to solve media communications problems. • PSLO 09: Interpret numerical data specific to audience analysis in order to formulate reasonable conclusions that apply to solving communications problems. • PSLO 10: Model ethical principles [truth, accuracy, fairness and diversity] and respectful responsibility to themselves, the media discipline, the media profession, and society.
Medical Assisting
<ul style="list-style-type: none"> • PSLO1: Define ethical parameters within the medical office. • PSLO2: Demonstrate clinical techniques as related to the medical office • PSLO3: Explain the administrative duties of the medical office. • PSLO4: Validate academic knowledge to successfully pass the AMT Registered Medical Assistant Certification examination. • PSLO5: Safely practice medical assisting functions with supervision and direction. • PSLO6: Perform calculations for clinical pharmacology.
Nursing
<ul style="list-style-type: none"> • 2a. Demonstrate critical thinking in assessing patient status. • 2b. Demonstrate clinical judgment in making patient-centered care decisions. • Analyze provision of safe, quality, evidenced based, patient-centered nursing care in a variety of healthcare settings to diverse patient populations across the lifespan. (nursing process, safety, and patient-centered care. • Integrate critical thinking and clinical reasoning skills to make patient-centered care decisions. • Implement quality measures to improve patient care. • Participate in collaborative relationships with members of the interdisciplinary team, the patient, and the patient's support persons. • Use information management principles, techniques, systems, and patient care technology to communicate, manage knowledge, mitigate errors, and support decision making. • Assimilate professional, legal, and ethical guidelines, in practice as a professional nurse. • Provide leadership in a variety of healthcare settings for diverse patient populations. • Promote a culture of caring to provide holistic, compassionate, culturally, competent care.

Occupational Therapy Assistant
<ul style="list-style-type: none"> • 1. Model ethical, legal and professional values and beliefs congruent with the profession in all practice settings. • 2. Develop therapeutic programs to meet established goals based on acquired knowledge, published research, and practical experiences. • 3. Demonstrate clinical reasoning skills during client centered interventions through innovative strategies. • 4. Provide culturally competent care to individuals in a variety of settings. • 5. Professionally interact within an interdisciplinary team and demonstrate core competencies that are required by the profession in order to practice with diverse populations.
Pharmacy & Phlebotomy Tech
Pharmacy Tech
<p>Accreditation Standards for Pharmacy Technician Education and Training Programs</p> <ul style="list-style-type: none"> • Goal 01: Demonstrate ethical conduct in all job-related activities. • Goal 02: Present an image appropriate for the profession of pharmacy in appearance and behavior. • Goal 03: Communicate clearly when speaking and in writing. • Goal 04: Demonstrate a respectful attitude when interacting with diverse patient populations. • Goal 05: Apply self-management skills, including time management, stress management, and adapting to change. • Goal 06: Apply interpersonal skills, including negotiation skills, conflict resolution, and teamwork. • Goal 07: Apply critical thinking skills, creativity, and innovation to solve problems. • Objective 1.1 Act ethically in all job-related activities. • Objective 2.1 (Applying) Apply skills for presenting a professional image in appearance (including dress and hygiene) and behavior. • Objective 3.1 (Applying) Apply effective verbal and written communication skills. • Objective 3.2 (Applying) Use listening skills effectively.
Phlebotomy Tech
<ul style="list-style-type: none"> • Perform venipunctures and capillary sticks. • Explain and perform the procedures of processing vacutainers, and blood cultures • Explain and perform the procedures point of care tests. • State and recall all areas of the laboratory and other hospital department areas.
Physical Education
<ul style="list-style-type: none"> • 1. Demonstrate the basic components of fitness and physical activity.
Physical Therapist Assistant
<ul style="list-style-type: none"> • 1a. Interpret the PT's evaluation and plan of care. • 1b. Design a treatment plan that aligns with the physical therapy plan of care. • 2a. Deliver clear and effective patient education related to the physical therapy plan of care. • 2b. Appropriately apply terminology specific to the physical therapy profession in both written documentation and spoken communication. • 3a. Modify components of treatment depending on patient status. • 3b. Implement appropriate progression of the physical therapy plan of care as a physical therapist assistant. • 3c. Report patient status to support decision to continue, modify, or discontinue interventions. • 4. Perform basic manual therapy techniques and interventions in a safe and effective manner. • 5. Responsibly and safely operate technology common to physical therapy settings to ensure the safety of others and self. • 6a. Collect objective measurement patient data. • 6b. Assess objective measurement data to determine appropriate patient interventions.
Radiologic Technology
<p>PSLO1: Safety</p> <ul style="list-style-type: none"> • PSLO1a: Perform radiographic procedures safely. <p>PSLO4: Patient Care</p> <ul style="list-style-type: none"> • PSLO 4a: Show proper use of communication skills using the AIDET model. • PSLO 4b: Model ethical behavior according to the American Registry of Radiologic Technologists (ARRT) Code of Ethics.

Respiratory Care
<ul style="list-style-type: none"> • Assimilate professional, legal, and ethical guidelines in clinical practice as a professional respiratory therapist. (professionalism, ethical behavior, legal principles, standards of practice) • Engage in critical thinking to make patient-centered care decisions. (critical thinking, clinical decision making and respiratory care program judgment) • Participate in collaborative relationships with members of the interdisciplinary team, the patient, and the patient's support persons. (teamwork and collaboration)
Sciences, Biolog/Physical
Astronomy
<ul style="list-style-type: none"> • Describe the fundamental concepts of the Laws of Motion.
Biology
<ul style="list-style-type: none"> • Describe fundamental concepts of biology.
Chemistry
<ul style="list-style-type: none"> • Apply dimensional analysis to problem solving.
Geology
<ul style="list-style-type: none"> • Describe the fundamental concepts of geology.
Physics
<ul style="list-style-type: none"> • Apply dimensional analysis to problem solve.
Science
<ul style="list-style-type: none"> • Describe the fundamental concepts of science.
Sciences, Social
History
<ul style="list-style-type: none"> • PSLO1: Acquire information from multiple, credible primary and secondary historical sources. • PSLO2: Simplify complex and multiple sources of information to synthesize clarified evidence specific to the historical argument. • PSLO3a: Demonstrate the impact of time and space on perspective by placing people and events into historical context. • PSLO3b: Demonstrate how our interpretation of the past has changed over time based upon current societal viewpoints. • PSLO4: Argue rationally and effectively about an historical subject or question using credible evidence in a narrative structure.
Psychology
<ul style="list-style-type: none"> • PSLO 1 Describe and analyze the real-world applications of fundamental principles of psychology • PSLO 3 Demonstrate psychological information literacy
Sociology
<ul style="list-style-type: none"> • PSLO 1 Describe fundamental principles of sociology • PSLO 2 Demonstrate sociological information literacy
Surgical Technology
<ul style="list-style-type: none"> • PSLO: 1 Explain the relationship between instrument type and usage • PSLO: 2 Demonstrate the aseptic principles of draping the patient, equipment and furniture • PSLO: 3 Describe the characteristic of the professional surgical technologist