

School	Certificate	Outcomes
CON	Acute Care Pediatric Nurse Practitioner (Post Grad)	<ol style="list-style-type: none"> 1. Participate in an interdisciplinary healthcare team as a leader and an active member to promote quality and safe care at the patient, family, population, or system levels. 2. Develop a professional, ethical, caring, and culturally sensitive approach when working with patients, families, populations, or systems. 3. Integrate patient care technologies to improve patient, family, population, or system outcomes. 4. Use theoretical frameworks to address patient, family, population, or system needs. 5. Integrate evidence-based knowledge into managing the care of patients, families, populations, or systems to improve and protect health and wellness in Colorado and beyond. 6. Formulate strategies to advocate for patients, families, populations, systems, or the nursing profession in Colorado and beyond.
CON	Adult-Gerontology Acute Care Nurse Practitioner (Post Grad)	<ol style="list-style-type: none"> 1. Participate in an interdisciplinary healthcare team as a leader and an active member to promote quality and safe care at the patient, family, population, or system levels. 2. Develop a professional, ethical, caring, and culturally sensitive approach when working with patients, families, populations, or systems. 3. Integrate patient care technologies to improve patient, family, population, or system outcomes. 4. Use theoretical frameworks to address patient, family, population, or system needs. 5. Integrate evidence-based knowledge into managing the care of patients, families, populations, or systems to improve and protect health and wellness in Colorado and beyond. 6. Formulate strategies to advocate for patients, families, populations, systems, or the nursing profession in Colorado and beyond.
CON	Adult-Gerontology Clinical Nurse Specialist	<ol style="list-style-type: none"> 1. Participates in an interdisciplinary healthcare team as a leader and active member to promote wellness, manage acute and chronic illness care, and facilitate peaceful end-of-life needs for adult patients across the lifespan. 2. Provide essential direct care services to adult patient populations optimizing transitions in care across and within healthcare services. 3. Engages in and leads evidence-based practice and quality improvement initiatives to advance nursing practice, improve patient/family outcomes, and reduce healthcare costs. 4. Advance practice of other nurses and nursing personnel through mentoring and facilitating opportunities for knowledge and skill development that foster professional development. 5. Leads and facilitates change in organizations and communities to adapt successfully to dynamics within the healthcare and advances in technology. 6. Advocates for ethical principles in protecting the dignity and safety for patients, families, nurses, and other healthcare clinicians

CON	Adult-Gerontology Primary Care Nurse Practitioner (Post Grad)	<ol style="list-style-type: none"> 1. Integrate leadership skills to support the role of the Adult Geriatric nurse practitioner on interdisciplinary teams. 2. Apply an evidence-based approach to deliver culturally appropriate care for adult and geriatric patients, communities and populations in urban and rural settings. 3. Synthesize theoretical principles and practice models to optimize adults and geriatric patient health care outcomes. 4. Promote the optimization of physical and behavioral health in the primary care setting of adults and geriatric patients locally, nationally and internationally. 5. Utilize technology to empower adult and geriatric patients to meet collaboratively developed wellness goals. <p>Develop a value system around the role of the adult geriatric nurse practitioner as an advocate for local, national and international health care policy</p>
CON	Family Nurse Practitioner (Post Grad)	<ol style="list-style-type: none"> 1. Participate in an interdisciplinary healthcare team as a leader and an active member to promote quality and safe care at the patient, family, population, or system levels. 2. Develop a professional, ethical, caring, and culturally sensitive approach when working with patients, families, populations, or systems. 3. Integrate patient care technologies to improve patient, family, population, or system outcomes. 4. Use theoretical frameworks to address patient, family, population, or system needs. 5. Integrate evidence-based knowledge into managing the care of patients, families, populations, or systems to improve and protect health and wellness in Colorado and beyond. 6. Formulate strategies to advocate for patients, families, populations, systems, or the nursing profession in Colorado and beyond.
CON	Health Care Informatics (Graduate)	<ol style="list-style-type: none"> 1. Participate in an interdisciplinary healthcare team as a leader and an active member to promote quality and safe care at the patient, family, population, or system levels. 2. Develop a professional, ethical, caring, and culturally sensitive approach when working with patients, families, populations, or systems. 3. Integrate patient care technologies to improve patient, family, population, or system outcomes. 4. Use theoretical frameworks to address patient, family, population, or system needs. 5. Integrate evidence-based knowledge into managing the care of patients, families, populations, or systems to improve and protect health and wellness in Colorado and beyond. 6. Formulate strategies to advocate for patients, families, populations, systems, or the nursing profession in Colorado and beyond.

CON	Health Care Informatics (Post Graduate)	<ol style="list-style-type: none"> 1. Participate in an interdisciplinary healthcare team as a leader and an active member to promote quality and safe care at the patient, family, population, or system levels. 2. Develop a professional, ethical, caring, and culturally sensitive approach when working with patients, families, populations, or systems. 3. Integrate patient care technologies to improve patient, family, population, or system outcomes. 4. Use theoretical frameworks to address patient, family, population, or system needs. 5. Integrate evidence-based knowledge into managing the care of patients, families, populations, or systems to improve and protect health and wellness in Colorado and beyond. 6. Formulate strategies to advocate for patients, families, populations, systems, or the nursing profession in Colorado and beyond.
CON	Nurse Mid-Wifery	<ol style="list-style-type: none"> 1. Apply the midwifery management process to independently manage the care of women during pregnancy, childbirth, and the postpartum period. 2. Apply the midwifery management process to independently manage the primary health screening and health promotion of women from the peri-menarcheal period through the lifespan. 3. Apply the midwifery management process to independently manage the care of the well newborn immediately after birth and during the first 28 days of life. 4. Evaluate, utilize, and disseminate research to improve the health and well-being of women in Colorado and the world. 5. Contribute to interprofessional health care teams as a member and a leader. 6. Engage in the professional responsibilities of certified nurse midwives to include the development of a supportive, professional community that promotes mental, physical, and spiritual well being among CNMs. 7. Integrates cultural humility and ethical principles in their care of women, their families, and their communities. 8. Demonstrate transformational leadership in the areas of clinical midwifery, research, community service, and health policy development.
CON	Nursing Education (Graduate)	<ol style="list-style-type: none"> 1. Demonstrate the ability to assess, design, implement, and evaluate program outcomes, syllabi, courses, and curriculum. 2. Create active learning environments that support achievement of desired cognitive, affective, and psychomotor learning outcomes. 3. Examine ways of facilitating and evaluating learning using evidence-based teaching practices based on learning theories and principles. 4. Formulate approaches for advancing the science of nursing education and promoting the nurse educator role in higher education and/or other nursing education environments. 5. Utilize reflective and metacognitive techniques as a teaching practitioner

CON	Nursing Leadership and Health Systems (iLEAD) (Graduate)	<ol style="list-style-type: none"> 1. Integrate patient care technologies into health care systems to promote innovation. 2. Lead interdisciplinary teams using best practices to effectively impact clinical practice innovation and the delivery of quality and safe care. 3. Develop strategies to promote professional, ethical, caring, culturally sensitive, and advocacy skills in self, others, and within health care systems. 4. Integrate a variety of health care delivery models, regulatory laws, human resource management principles, and leadership theories to improve patient and population health and wellness and address health care system needs.
CON	Nursing Leadership and Health Systems (iLEAD) (Post Grad)	<ol style="list-style-type: none"> 1. Participate in an interdisciplinary healthcare team as a leader and an active member to promote quality and safe care at the patient, family, population, or system levels. 2. Develop a professional, ethical, caring, and culturally sensitive approach when working with patients, families, populations, or systems. 3. Integrate patient care technologies to improve patient, family, population, or system outcomes. 4. Use theoretical frameworks to address patient, family, population, or system needs. 5. Integrate evidence-based knowledge into managing the care of patients, families, populations, or systems to improve and protect health and wellness in Colorado and beyond. 6. Formulate strategies to advocate for patients, families, populations, systems, or the nursing profession in Colorado and beyond.
CON	Palliative Care (Graduate)	<ol style="list-style-type: none"> 1. Demonstrate clinical decision-making using evidence-based practice and research to care for patient and families facing serious or life-threatening illness. 2. Build professional, ethical, and culturally sensitive relationships with patients and their families to advocate and support quality palliative care. 3. Demonstrate collaborative systems leadership within an interdisciplinary health care team to support patients and their families facing serious or life threatening illness. 4. Provide palliative care education to support patients' and their families' palliative care goals.
CON	Pediatric Primary Care Nurse Practitioner (Post Grad)	<ol style="list-style-type: none"> 1. Integrate professional, ethical, caring, and culturally sensitive approaches when address pediatric related health disparities. 2. Use evidence-based approaches when providing primary care for children and families in Colorado and beyond. 3. Apply theoretical frameworks to the provision of primary care to children and families. 4. Participate in interdisciplinary teams to advocate for quality and safe pediatric care throughout Colorado and beyond. 5. Integrate patient care technologies to improve pediatric health outcomes.

CON	Psychiatric Mental Health Nurse Practitioner (Post Grad)	<ol style="list-style-type: none"> 1. Participate in an interdisciplinary healthcare team as a leader and an active member to promote quality and safe care at the patient, family, population, or system levels. 2. Develop a professional, ethical, caring, and culturally sensitive approach when working with patients, families, populations, or systems. 3. Integrate patient care technologies to improve patient, family, population, or system outcomes. 4. Use theoretical frameworks to address patient, family, population, or system needs. 5. Integrate evidence-based knowledge into managing the care of patients, families, populations, or systems to improve and protect health and wellness in Colorado and beyond. 6. Formulate strategies to advocate for patients, families, populations, systems, or the nursing profession in Colorado and beyond.
CON	Veteran and Military Health Care (Graduate & Post Grad)	<ol style="list-style-type: none"> 1. Participate in an interdisciplinary healthcare team as a leader and an active member to promote quality and safe care at the patient, family, population, or system levels 2. Develop a professional, ethical, caring, and culturally sensitive approach when working with patients, families, populations, or systems. 3. Integrate patient care technologies to improve patient, family, population, or system outcomes. 4. Use theoretical frameworks to address patient, family, population, or system needs. 5. Integrate evidence-based knowledge into managing the care of patients, families, populations, or systems to improve and protect health and wellness in Colorado and beyond. 6. Formulate strategies to advocate for patients, families, populations, systems, or the nursing profession in Colorado and beyond.
CON	Womens Health Nurse Practitioner (Post Grad)	<ol style="list-style-type: none"> 1. Participate in an interdisciplinary healthcare team as a leader and an active member to promote quality and safe care at the patient, family, population, or system levels. 2. Develop a professional, ethical, caring, and culturally sensitive approach when working with patients, families, populations, or systems. 3. Integrate patient care technologies to improve patient, family, population, or system outcomes. 4. Use theoretical frameworks to address patient, family, population, or system needs. 5. Integrate evidence-based knowledge into managing the care of patients, families, populations, or systems to improve and protect health and wellness in Colorado and beyond. 6. Formulate strategies to advocate for patients, families, populations, systems, or the nursing profession in Colorado and beyond.

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CSPH	Applied Biostatistics	<ol style="list-style-type: none"> 1. Fit and interpret models for continuous outcome data (normal linear model), categorical outcome data (logistic regression), and time-to-event data (Cox regression). 2. Apply concepts of multiple regression, including confounding, statistical interactions, model selection, model fit, and regression diagnostics, in fitting and evaluating statistical models. 3. Use computer software for data management (data entry, access, and data manipulations), as well as for summarizing and analyzing and displaying research results.
CSPH	Health Analytics and Data Science	<ol style="list-style-type: none"> 1. Use modern computer software such as R or Python to read in multiple data types, merge files, and process data for statistical analysis steps in typical Data Science projects. 2. Use software such as R or Python to create graphical displays for exploring and communicating data and results. 3. Carry out statistical analyses for continuous outcome data (normal linear model) and categorical outcome data (logistic regression). Understand model fit, selection, evaluation, and interpretation. 4. Apply methods from at least one area of advanced statistics/analytics [list provided by program]. 5. Communicate methods and results of Health Analytics and Data Science verbally, and in writing, to data scientists and general audiences.
CSPH	Latino Health	<ol style="list-style-type: none"> 1. Describe and analyze the determinants and the globalization of health as well as the health status of a given jurisdiction using credible data sources. 2. Identify and describe health disparities among various Latino groups and between Latinos and other US populations. 3. Explain how the acculturation process and generational status of immigrant Latinos influences health and chronic disease status. 4. Understand and explain the socio-cultural determinants of Latino health disparities. 5. Research and critically review the literature to identify best practices and evidence-based interventions that effectively address Latino health disparities 6. Develop and implement prevention strategies or interventions applied to real-life situations aimed at reducing health disparities and inequities of the Latino population. 7. Establish a network of policy makers, professional organizations, resources, and academic and research professionals to promote health and wellbeing in Latino communities. 8. Learn about community assessment and program implementation in Latino communities by interacting with faculty that have successfully developed ongoing research and/or service program projects in Denver.

CSPH	Maternal and Child Health	<ol style="list-style-type: none"> 1. Describe maternal and child health problems in terms of time, magnitude, scope, location, co-occurrence and co-morbidity. 2. Describe significant past and current national maternal and child health practices, programs, and relevant legislation and apply to the development and delivery of maternal and child health services. 3. Describe the importance of cultural competence in communicating public health content 4. Explain public health history, philosophy and values 5. Identify the core functions of public health and the 10 Essential Services* 6. List major causes and trends of morbidity and mortality in the US or other community relevant to the school or program 7. Explain the social, political and economic determinants of health and how they contribute to population health and health inequities.
CSPH	Population Mental Health and Wellbeing	<ol style="list-style-type: none"> 1. Describe the history of the behavioral health field 2. Describe natural history, prevalence rates, risk and protective factors, and prevention/treatment strategies of major mental health and substance use disorders 3. Demonstrate an understanding of advocacy, policy, and integrated health care systems in behavioral health 4. Specify unique characteristics of populations at risk for behavioral health disorders based on culture, race/ethnicity, age, orientation, etc.
CSPH	Public Health Preparedness and Response	<ol style="list-style-type: none"> 1. Explain public policy development using a systems framework 2. Describe public health disaster interventions based on dimensions of community and culture 3. Identify principles of hazard analysis and incident management 4. Apply skills in disaster readiness planning and response coordination 5. Describe political, legal, psychological and social aspects of disasters 6. Understand principles of program management and communications 7. List emergency preparedness core competencies for all public health workers.
CSPH	Total Worker Health	<ol style="list-style-type: none"> 1. Explain why Total Worker Health is an emerging field 2. Define key terminology and frameworks for Total Worker Health 3. Identify significant workplace wellness or safety-related government agencies or organizations and discuss their perspectives and policies on health promotion or protection 4. Describe the role of advocacy or leadership in Total Worker Health 5. Apply health behavior, leadership, or organizational change theories or intervention approaches in the workplace setting 6. Compare the elements of a "culture of health" to the elements of a "culture of safety" and how they can be integrated 7. Recognize "best practices by reading, critiquing, or applying research to workplace practice 8. Identify evidence-based, practical policy or programmatic strategies for organizations implementing Total Worker Health 9. Design, implement, or evaluate TWH systems and programs 10. Communicate the business case (value proposition) for implementing Total Worker Health 11. Discuss future trends, needs, or solutions for promoting Total Worker Health.

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GRAD	Anatomical Sciences Education	<ol style="list-style-type: none"> 1. Understand and apply research-based pedagogical theory in the anatomical sciences <ol style="list-style-type: none"> a) Discuss and analyze research-based pedagogy literature. b) Understand frameworks for making curricular decisions. c) Develop content-based instructional materials using pedagogical theory. 2. Teach anatomical sciences at a professional level <ol style="list-style-type: none"> a) Develop content-based instructional and pedagogical skills. b) Implement active learning techniques and investigate the impact of teaching for diversity in health science programs. c) Apply pedagogical theories to practice in a professional program. 3. Develop professionally through structured mentorship by Academy of Medical Educators faculty <ol style="list-style-type: none"> a) Incorporate faculty feedback in teaching methods b) Incorporate faculty feedback in educational materials produced c) Interpret student feedback with faculty guidance
GRAD	Biomedical Data Science	<ol style="list-style-type: none"> 1. Learn the basics of computer programming. 2. Locate, access, analyze and visualize biomedical data set using appropriate tools and programs. 3. Learn the basics of data analysis life cycle from data wrangling, data modeling to reproducible research. 4. Understand and apply various machine learning techniques and data analytics for solving real world biological problems. 5. Communicate effectively with biomedical researchers and computational data analysts in a team science environment.
GRAD	Health Humanities and Healthcare Ethics (HEHE)	<ol style="list-style-type: none"> 1. To analyze healthcare from different perspectives and disciplines. 2. To describe the values and meanings of health, disease, illness and disability among patients, families, health care professionals, and communities. 3. To develop the skills needed to addressing the most challenging ethical and social issues in healthcare.

School	Certificate	Outcomes
SDM	Orthodontics	<p>Goal I – the clinical care provided in the program is patient-based to provide the student proficiency in orthodontic care and the patient with high-quality care</p> <p>A. Objectives</p> <ol style="list-style-type: none"> 1) Patient selection to provide a diverse clinical experience appropriate to normal clinical practice 2) Gather an appropriate and complete data base on each patient to provide a strong foundation for diagnosis, treatment planning, treatment consultation, treatment, and retention of the patient 3) Use of a problem-based diagnostic and treatment planning strategy for all patients 4) Utilization of craniofacial growth and development knowledge in planning and carrying out patient treatment 5) Integration of relevant biological, clinical, and behavioral science into patient treatment 6) Use of current biomechanical and biomaterial techniques and strategies in patient care 7) Use of appropriate interdisciplinary consultation and care where appropriate 8) Application of the principles of infection control and environmental safety to patient care and clinical operations <p>Goal II – the didactics provided to the student are broad-based and provide a strong basis for continued learning and clinical practice</p> <p>A. Objectives</p> <ol style="list-style-type: none"> 1) Use and understand basic scientific principles 2) Provide sufficient supporting knowledge to allow the student to appropriately evaluate the literature and interact knowledgeably with other dental specialists 3) Provide appropriate knowledge on business, legal, and ethical issues to aid the student in managing an orthodontic practice <p>Goal III – the research component of the program provides the foundational knowledge to allow the student to critically evaluate the literature and conduct research</p> <p>A. Objectives</p> <ol style="list-style-type: none"> 1) Provide familiarity with research design and statistical analysis 2) Formulate a proposal, carry out a research project, analyze the results, and write the results in a publishable format 3) Submit a publishable manuscript to a journal as a contribution to the clinical and scientific literature 4) Develop characteristics of a life-long learner in the student <p>Goal IV – the service portion of the program will encourage the student toward socially responsible behavior</p> <p>A. Objectives</p> <ol style="list-style-type: none"> 1) Activity within organized dentistry, initially by attendance at local and national meetings 2) Participation in craniofacial deformity and underprivileged patient clinics 3) Education of non-orthodontists concerning orthodontics

SDM	Periodontics	<p>Goal 1: Provide comprehensive training that assures resident knowledge and proficiency in periodontics.</p> <p>Objective A: Demonstrate foundational didactic knowledge and insight in the biomedical sciences.</p> <p>Objective B: Demonstrate a high level of clinical skill in a comprehensive variety of periodontal and dental implant treatment modalities.</p> <p>Objective C: Demonstrate knowledge of classic and current periodontal and implant literature; including interpretation, analysis, and critical evaluation.</p> <p>Objective D: Demonstrate knowledge of systemic/medical considerations impacting patient periodontal status and provision of care.</p> <p>Objective E: Demonstrate knowledge of pathogenesis/management of oral mucosal pathoses.</p> <p>Objective F: Demonstrate knowledge of and clinical skills in multidisciplinary patient care (prosthodontic, orthodontics, TMD, endodontics).</p> <p>Objective G: Demonstrate knowledge of and clinical skills in methods of adjunctive anxiety and pain control including conscious sedation using intravenous, oral and inhalation routes. Emphasis will be placed on IV sedation.</p> <p>Objective H: Prepare residents for practice following graduation by introduction to principles of practice management.</p> <p>Objective I: Demonstrate professional/ethical behavior in all aspects of residency training and patient care.</p> <p>Goal 2: Provide instructional skills that will enable residents to effectively communicate/transmit knowledge of periodontics and related subjects.</p> <p>Objective A: Demonstrate knowledge of organizing, leading and presenting lectures, case presentations and seminars.</p> <p>Objective B: Demonstrate ability to teach clinical periodontal evaluation, diagnosis and therapy to other oral health care providers.</p> <p>Goal 3: Prepare residents for specialty board certification.</p> <p>Objective A: Successfully challenge the AAP In-Service Examination.</p> <p>Objective B: Successfully evaluate case scenarios using ABP guidelines.</p> <p>Objective C: Obtain specialty board certification by program graduates.</p> <p>Goal 4: Create an atmosphere of scientific inquiry and scholarship.</p> <p>Objective A: Develop an understanding of the scientific method, hypothesis testing and use of evidence-based methodologies. Demonstrate active engagement in research leading to Master of Science of Dentistry degree by the conclusion of residency.</p> <p>Objective B: Present research findings at local/national levels. Publish in scientific journals.</p> <p>Goal 5: Maintain rigorous evaluation of the residency program.</p> <p>Objective A: Evaluation of the residency program by program graduates.</p> <p>Objective B: Evaluation of faculty effectiveness by residents and Program Director.</p> <p>Objective C: Provide frequent formal resident feedback.</p> <p>Objective D: Evaluate goals, objectives and outcomes of the program annually</p>
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SOM	Pediatric Physical Therapy Residency	<ol style="list-style-type: none">1. Residents will demonstrate advanced skills as direct service providers and/or consultants in a variety of practice settings with a variety of patient populations as delineated in the current Pediatric DSP and DRP.2. Residents will demonstrate preparedness to sit for and successfully pass the ABPTS pediatric clinical specialist certification examination.3. Residents will contribute to the profession of physical therapy, and the larger healthcare community, through leadership, evidence-based practice, teaching, and service.

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SOP	Cannabis Science & Medicine	<ol style="list-style-type: none"> 1. Collecting appropriate patient data to make an assessment 2. Conducting a patient-centered assessment 3. Designing, implementing, evaluating and adjusting a patient-centered care pharmacy care plan 4. Retrieving, evaluating and utilizing basic science, professional and lay information in a critical and scientific manner that enhances the practice of pharmacy 5. Develop and participate in health promotion, disease prevention, and public health policy 6. Exhibiting the highest standards of professional and ethical behavior in pharmacy practice (e.g. honesty, integrity, tolerance, confidentiality, care and compassions, respect for others, responsibility) 7. Applying basic and clinical scientific principles and methods to identify and solve problems 8. Communicating effectively using multiple strategies to improve health outcomes
SOP	Integrative Health & Medicine	<ol style="list-style-type: none"> 1. Collecting appropriate patient data to make an assessment 2. Conducting a patient-centered assessment 3. Designing, implementing, evaluating and adjusting a patient-centered care pharmacy care plan 4. Retrieving, evaluating and utilizing basic science, professional and lay information in a critical and scientific manner that enhances the practice of pharmacy 5. Exhibiting the highest standards of professional and ethical behavior in pharmacy practice (e.g. honesty, integrity, tolerance, confidentiality, care and compassions, respect for others, responsibility) 6. Communicating effectively using multiple strategies to improve health outcomes