

HEALTH SCIENCE

Bachelor of Science Health Science Learning Outcomes

1. Demonstrate competency in the application of communication and information technologies to discipline specific issues.
2. Demonstrate proficiency in written and oral communication skills at a level commensurate with the standards of entry-level performance in the discipline.
3. Apply communication theories to developing and implementing change strategies for targeted groups and populations.
4. Apply theory to practice in research, planning, development, implementation, assessment, decision-making, and policy.
5. Develop critical thinking and analytic skills through the logical design and systematic application of quantitative and qualitative approaches to planning and problem-solving.
6. Demonstrate an understanding of professionalism and leadership qualities, through observation and self-reflection that are in keeping with acceptable moral, ethical, and legal principles.
7. Analyze and address health issues and policies based on an integrated interdisciplinary approach, including the natural, behavioral, social and health sciences, and the humanities.
8. Synthesize and apply knowledge from the natural, behavioral, social and health sciences, and humanities in addressing health issues from proactive and problem-solving perspectives.
9. Apply theory to practice as change agents for the advancement of health, well-being, and social justice among diverse individuals, groups, and populations locally and globally.
10. Demonstrate cultural competence in addressing health disparities among diverse populations in urban and rural settings locally and globally.
7. Maintain a safe and secure laboratory and clinical environment on behalf of O&P patients, while ensuring structural safety, comfort, fit and patient understanding about the use and maintenance of the orthosis/prosthesis.
8. Utilize Universal Precautions and Personal Protective equipment in compliance with OSHA's Hazard Communication and blood borne pathogen rulings.
9. Practice relationship-centered, culturally sensitive care with individuals and families during all phases of O&P interaction, with psychosocial awareness of patients' age, educational status, economic status, and social support.
10. Work in interdisciplinary teams during interaction with patients, peers, colleagues, supervisors, and other health team members.
11. Exhibit ethical behavior in all professional activities during interaction with patients, peers and colleagues, teachers and supervisors, and health team members/affiliates.
12. Provide evidence-based, clinically competent care by applying knowledge from theory, research, new sciences and foundation courses such as kinesiology, anatomy, biomechanics, gait, and material science to the practice of orthotics/prosthetics.
13. Articulate how the theoretical concepts learned within the didactic coursework are exemplified in clinical settings in the domains of patient evaluation, formulation of the treatment plan, follow-up, documentation, communication, and business management functions.

Master of Science Health Science: Orthotics and Prosthetics Learning Outcomes

1. Perform a comprehensive assessment of the patient to obtain an understanding of the patient's orthotic/prosthetic needs.
2. Formulate a comprehensive orthotic/prosthetic treatment plan by analyzing and integrating information from patient assessment to meet the needs and goals of the patient.
3. Implement the prescribed orthotic/prosthetic treatment plan by performing the necessary procedures to deliver the appropriate orthotic/prosthetic services, including fabrication.
4. Follow up the treatment plan by providing continuing patient care and periodic evaluation to assure/maintain/document optimal fit and function of the orthosis/prosthesis.
5. Practice management effectively by developing, implementing and/or monitoring policies and procedures regarding human resources, the physical environment, business and financial practices, and organizational management.
6. Promote competency and enhance professional practice by participating in personal and professional development through continuing education, training, evidence-based research, and organizational affiliations.