PHYSICS, BACHELOR OF SCIENCE (BS) - PRE-MASTER OF EDUCATION (7-12)

Program Learning Outcomes

LO1: Graduates will demonstrate a comprehensive understanding of core physics concepts including mechanics, electromagnetism, thermal and statistical physics, and quantum mechanics **(UGO 02, 03, 04)**

LO2: Graduates will be skilled in using physical laws, relevant mathematical and statistical techniques, and computational tools to model physical systems and solve complex problems across various domains in physics. **(UGO 02, 03, 04, 06)**

LO3: Graduates will possess hands-on experience in designing, conducting, and analyzing experiments using appropriate laboratory equipment and techniques. **(UGO 02, 04, 06)**

LO4: Graduate will demonstrate the ability to effectively communicate complex physical concepts and results through oral presentations, written reports, and visual aids tailored to diverse audiences. **(UGO 01, 05)**

LO5: Graduates will be capable of collaborating effectively within diverse, interdisciplinary teams and recognize the significance of professional integrity in scientific practices. **(UGO 07, 08, 09, 10)**

Related Links

Physics - Pre-Masters of Education, BS Program Page (https://www.sru.edu/academics/majors-and-minors/physics-pre-masters-of-education/)

Physics Fact Sheet URL (https://www.sru.edu/documents/programs/factsheets/undergraduate/physics-fs.pdf)

Professional Licensure/Certification Page (https://www.sru.edu/students/student-consumer-information/professional-licensures/)