

Mechanical Engineering and Physics

Department Information

- **Department Location:**
Dolve Hall 111
- **Department Phone:**
701-231-8671
- **Department Web Site:**
www.ndsu.edu/me/ (<http://www.ndsu.edu/me/>)
- **Credential Offered:**
B.S.M.E.
- **Official Program Curriculum:**
catalog.ndsu.edu/undergraduate/program-curriculum/mechanical-engineering-physics/ (<http://catalog.ndsu.edu/undergraduate/program-curriculum/mechanical-engineering-physics/>)

Engineering and physics have always been closely related disciplines. Mechanical engineering combines engineering physics and applied mathematics with materials science to design mechanical systems. It requires knowledge of core areas of physics, such as mechanics, thermodynamics, theory of elasticity, electricity and magnetism; modern materials science requires understanding of quantum physics. Therefore, the demand is growing for engineers with multidisciplinary training that includes both fundamental knowledge of physics and practical problem-solving skills. The Mechanical Engineering and Physics double major program is designed to allow students to complete the core requirements of both majors in a four-year degree. Graduates of the program will have a unique background qualifying them to pursue careers in industry, government, and higher education, or to pursue graduate studies in engineering, physics or other technical fields. Student will earn a Bachelor of Science in Mechanical Engineering (B.S.M.E.) with a second major in physics.