

MECHANICAL ENGINEERING (CAPITAL)

Learning Outcomes

1. **KNOW** - Graduates will be able to demonstrate broad mastery of core principles in mechanical engineering as well as in-depth mastery in selected mechanical engineering topics.
2. **CRITICAL THINKING** - Graduates will be able to critically and creatively conceptualize, evaluate and formulate mechanical engineering problems, as well as perform the analyses required for problem definition.
3. **APPLY/CREATE** - Graduates will be able to apply advanced knowledge, techniques, skills and state of the practice tools to solve mechanical engineering problems.
4. **COMMUNICATE** - Graduates will be able to effectively communicate, both orally and in writing, project outcomes, such as ideas, requirements, designs, analyses, findings, and justification for decisions.
5. **PROFESSIONAL PRACTICE** - Graduates will be able to demonstrate an understanding of professional and ethical responsibility and conduct themselves accordingly.