ASSESSMENT

MS Engineering
Program-Level Student Learning Outcomes

- Program graduates will be able to apply advanced experimental methods and demonstrate the ability to design experiments and collect data.
- Program graduates will be able to utilize statistical concepts and demonstrate an ability to apply this knowledge to achieve engineering solutions that most efficiently use information and resources.
- Program graduates will have a practical knowledge of fabrication and manufacturing techniques.
- Program graduates will have an ability to apply advanced mathematical concepts to model physical systems and engineering processes to drive knowledge based design.
- Program graduates will have knowledge of advanced cross-disciplinary engineering sciences, and an ability to relate physical concepts from multiple engineering disciplines.
- Program graduates will have an ability to identify critical issues, formulate realistic solutions, evaluate alternatives, and carry out independent research to provide novel solutions to technical problems.
- Program graduates will have a demonstrated ability to make novel, significant contributions to the scientific and engineering body of knowledge.