

ACOUSTICS

Learning Outcomes

Master of Engineering (M.Eng.)

1. **KNOW:** Graduates will demonstrate understanding of fundamental core principles and methods in Acoustics.
2. **APPLY/CREATE:** Graduates will apply their knowledge of Acoustics to analyze and solve engineering problems.
3. **THINK:** Graduates will synthesize concepts from multiple courses to solve open-ended engineering problems.
4. **COMMUNICATE:** Graduates effectively communicate through written and oral methods.
5. **PROFESSIONAL PRACTICE:** Graduates will demonstrate high standards of ethics and apply best practices in their professional activities.

Master of Science (M.S.)

1. **KNOW:** Graduates will demonstrate understanding of fundamental core principles and methods in Acoustics.
2. **APPLY/CREATE:** Graduates will apply their knowledge of Acoustics to formulate and solve complex engineering problems.
3. **THINK:** Graduates will synthesize knowledge of fundamental and applied acoustics concepts through a research experience.
4. **COMMUNICATE:** Graduates will effectively communicate their research through written and oral methods.
5. **PROFESSIONAL PRACTICE:** Graduates will demonstrate high standards of ethics related to education, research, and apply best practices in their research.

Doctor of Philosophy (Ph.D.)

1. **KNOW:** Graduates will demonstrate a thorough understanding of fundamental and advanced principles and methods of Acoustics.
2. **APPLY/CREATE:** Graduates will apply knowledge of advanced core principles and methods in formulating and executing novel research.
3. **THINK:** Graduates will conduct an analytical and critical review of existing literature related to new research areas.
4. **COMMUNICATE:** Graduates will create technical written and oral reports that meet professional presentation and publication standards in Acoustics.
5. **PROFESSIONAL PRACTICE:** Graduates will demonstrate high standards of ethics and application of best practices in their research and professional activities.