

# ACOUSTICS

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<b>Graduate Program Head</b>	Andrew Barnard
<b>Program Code</b>	ACS
<b>Campus(es)</b>	University Park (Ph.D., M.S., M.Eng) World Campus (M.Eng.)
<b>Degrees Conferred</b>	Doctor of Philosophy (Ph.D.) Master of Science (M.S.) Master of Engineering (M.Eng.)
<b>The Graduate Faculty</b>	View ( <a href="https://secure.gradsch.psu.edu/gpms/?searchType=fac&amp;prog=ACS">https://secure.gradsch.psu.edu/gpms/?searchType=fac&amp;prog=ACS</a> )

The aim of this program is to enable the student interested in acoustics to obtain an integrated program covering acoustical science and engineering applications of acoustics.

Student curricula are individually tailored and integrated through a selection of core and elective courses in areas such as:

- fundamentals of sound and vibration
- sound radiation and propagation
- signal analysis
- electroacoustic transducers
- physical acoustics
- nonlinear acoustics
- computational acoustics
- architectural acoustics
- medical ultrasonics
- structural acoustics and vibration
- aeroacoustics and flow noise
- audio engineering and spatial sound
- musical acoustics
- psychoacoustics
- speech and communication
- experimental techniques
- underwater acoustics

The courses are offered by the graduate program in Acoustics and by other participating University departments, including:

- Aerospace Engineering
- Architectural Engineering
- Bioengineering
- Communication Sciences and Disorders
- Electrical Engineering
- Engineering Science and Mechanics
- Geosciences
- Mechanical Engineering
- Meteorology
- Physics