BS in Applied Physics: Acoustics (694834) MAP Sheet

Computational, Mathematical & Physical Sciences, Physics and Astronomy

For students entering the degree program during the 2025-2026 curricular year.

FRESHMAN YEAR

1st Semester
PHSCS 121 3.0
PHSCS 191 0.5
MATH 112 4.0
UNIV 101 2.0
First Year Writing 3.0
Religion Cornerstone course 2.0
Total Hours 14.5

2nd Semester
PHSCS 123 3.0
MATH 113 4.0
C S 111 3.0
American Heritage 3.0
Religion Cornerstone Class 2.0
Total Hours 15.0

SOPHMORE YEAR

3rd Semester
PHSCS 220 3.0
PHSCS 225 2.0
PHSCS 230 1.0
PHSCS 291 0.5
MATH 302 4.0
GE Arts, Letters, Sciences 3.0
Religion Cornerstone Class 2.0
Total Hours 15.5

4th Semester
PHSCS 222 3.0
PHSCS 240 2.0
MATH 303 4.0
GE Arts, Letters, Sciences 3.0
Religion Cornerstone Class 2.0
Total Hours 14.0

JUNIOR YEAR

5TH Semester
PHSCS 245 2.0
PHSCS 318 3.0
PHSCS 321 3.0
PHSCS 330 1.0
GE Arts, Letters, Sciences 3.0
GE Religion 2.0
Total Hours 14.0

6th Semester
PHSCS 430 1.0
PHSCS 461 3.0
GE Arts, Letters, Sciences 3.0
GE Arts, Letters, Sciences 3.0
Global and Cultural Awareness 3.0
Acoustics Elective 1 3.0
Total Hours 16.0

SENIOR YEAR

7TH Semester
PHSCS 441 3.0
PHSCS 561 (encouraged for Req 2) 3.0
Acoustics Elective 2 3.0
GE Arts, Letters, Sciences 3.0
General Elective 1.0
GE Religion 2.0
Total Hours 15.0

8th Semester
PHSCS 416 or WRTG 316 3.0
GE Religion 2.0
Acoustics Elective 3 3.0
PHSCS 492R or 498R 2.0
General Elective 3.0
General Elective 3.0
Total Hours 16.0

See University Core requirements here:
https://catalog.byu.edu/generaleducation

Note: Students are encouraged to complete an average of 15 credit hours each semester or 30 credit hours each year, which could include spring and/or summer terms. Taking fewer credits substantially increases the cost and the number of semesters to graduate.

CAREER OPPORTUNITIES

The Applied Physics: Acoustics degree is an excellent degree for those who may continue study in acoustics as a scientist, engineer, or consultant after the BS working in national or government labs (Los Alamos, Sandia, NASA, Air Force Research Lab, Army Research Lab, Naval Undersea Warfare Center), government contractors (Raytheon, Lockheed Martin, Northrop Grumman, Penn State Applied Research Lab, Univ. of Texas Applied Research Labs), acoustical product companies (Amazon, Apple, Bose, JBL, Meta, Motorola), acoustical consulting (The Church of Jesus Christ of Latter-day Saints, MD Acoustics, Spectrum Engineers), or companies concerned with noise or vibration (Caterpillar, Ford). Interestingly, the places listed in parentheses are locations where graduates from BYU in acoustics have gone to work. Those who graduate may go to work right after their BS or they may go on to graduate school

THE DISCIPLINE

Acoustics is defined as the science that deals with the production, control, transmission, reception, and effects of sound (as defined by Merriam Webster). While acoustics does include the study of musical instruments and architectural spaces, it also covers a vast range of topics, including: noise control, SONAR for submarine navigation, ultrasounds for medical imaging, thermoacoustic refrigeration, seismology, bioacoustics, and electroacoustic communication.

MAP DISCLAIMER

While every reasonable effort is made to ensure accuracy, there are some student populations that could have exceptions to listed requirements. Please refer to the university catalog and your college advisement center/department for complete guidelines.

DEPARTMENT INFORMATION

FACULTY ADVISORS ASSIGNED BY LAST TWO DIGITS OF BYU ID NUMBER.
CONTACT:

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ADVISEMENT CENTER INFORMATION

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