

Undergraduate Program Requirements

Audio Arts & Acoustics Program Requirements

Currently displaying program requirements for academic year: UNDG 2014-2015 ▼

Acoustics BS 2014

79 CREDITS ARE REQUIRED TO COMPLETE THIS BACHELOR OF SCIENCE MAJOR. Please note: The typical CGPA of a student in Acoustics BS is in excess of 3.0. Students need to be aware that the Acoustics BS program is particularly intensive in science and mathematics.

Acoustics BS 2014

ACOUSTICS REQS - 31 cr.

Courses: 10/10

Course	Title	Credits	Grade
43-2110	Basic Audio Systems	3	C
43-2725	Studies in Hearing	3	C
43-2310	Psychoacoustics	3	C
43-1115	Audio Production I	4	C
43-2315	Architectural Acoustics	3	C
43-3315	Environmental Acoustics	3	C
43-3610	Sound System Design	3	C
43-3325	Acoustical Testing I	3	C
43-3326	Acoustical Testing II	3	C
43-3320	Acoustical Modeling	3	C

33 CREDITS of Science & Math Requirements - Students must take ALL the following courses offered by the college OR have similar courses transferred from other institutions:

SCIENCE & MATH REQS-33cr

Courses: 9/9

Course	Title	Credits	Grade
56-1240	Material Science Technology	4	C
56-1820	Science of Electronics	4	C
56-2720	Calculus I	4	C
56-2721	Calculus II	4	C
56-2830	Fundamentals of Physics I	3	C
56-3710	Calculus III	3	C
56-3720	Elementary Differential Equations	3	C
56-3730	Numerical Analysis	4	C
56-3740	Linear Algebra	4	C

15 CREDITS of Acoustics Electives - Select 5 courses from the following:

Courses: 5/5

ELECTIVES - 15 cr.

Course	Title	Credits	Grade
43-3310	Acoustics of Performance Spaces	3	C
43-3340	Fundamentals of Vibration Analysis	3	C
43-3330	Engineered Acoustics	3	C
43-3120	Perception and Cognition of Sound	3	C
56-1881	Physics of Musical Instruments	4	C
43-3720	Principles of Digital Signal Processing	3	C
43-2720	History of Audio	3	C
43-2610	Project Planning, Process and Implementation	3	C
43-3515	Studies in Loudspeaker Theory	3	C
43-3619	Installed Systems Documentation	3	C
43-3622	Networks and Networking for Media	3	C
43-3623	Loudspeaker System Applications	3	C
43-3526	Digital Equalization and System Management	3	C
43-3290	Master Class in Sound Art	3	C
43-2410	Aesthetics of the Motion Picture Soundtrack	3	C

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