Undergraduate Program Requirements

Audio Arts & Acoustics Program Requirements

Currently displaying program requirements for academic year: UNDG 2015-2016 ▼

Acoustics BS 2015

76 - 80 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 2015

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**

30 - 34 SCIENCE & MATH Credits Total (May have similar courses transferred from other institutions:)

SCIENCE & MATH REQ-18 cr Courses: 5/5

Course	Title	Credits	Grade
56-2720	**Calculus I**	**4**	**C**
56-2721	**Calculus II**	**4**	**C**
56-3720	**Elementary Differential Equations**	**3**	**C**
56-1820	**Science of Electronics**	**4**	**C**
56-2820	**The Science of Acoustics I**	**3**	**C**

Select four (4) courses (two at the 3000 level) for 12-16 credits:

SCIENCE/MATH ELECTIVES Courses: 4/10

Course	Title	Credits	Grade
56-1240	**Material Science Technology**	**4**	**C**
56-1722	**Introduction to Statistical Methods**	**3**	**C**

56-2270	**General Chemistry I**	**4**	**C**
56-2271	**General Chemistry II**	**4**	**C**
56-2830	**Fundamentals of Physics I**	**3**	**C**
56-3700	**Discrete Mathematics**	**3**	**C**
56-3710	**Calculus III**	**3**	**C**
56-3730	**Numerical Analysis**	**4**	**C**
56-3740	**Linear Algebra**	**4**	**C**
56-1881	**Physics of Musical Instruments**	**4**	**C**
OR 1 of the following:			
	56-1881HN Physics of Musical Instruments: Honors	**4**	**C**

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

ELECTIVES - 15 cr Courses: 5/15

Course	Title	Credits	Grade
43-3120	**Perception and Cognition of Sound**	**3**	**C**
43-3310	**Acoustics of Performance Spaces**	**3**	**C**
43-3340	**Fundamentals of Vibration Analysis**	**3**	**C**
43-3330	**Engineered Acoustics**	**3**	**C**
43-3583	**Research Methods: An Interdisciplinary Approach**	**3**	**C**
43-2610	**Project Planning, Process and Implementation**	**3**	**C**
43-2720	**History of Audio**	**3**	**C**
43-3619	**Installed Systems Documentation**	**3**	**C**
43-3515	**Studies in Loudspeaker Theory**	**3**	**C**
43-4473	**Audio Visual System Design**	**3**	**C**
43-3720	**Principles of Digital Signal Processing**	**3**	**C**
43-3290	**Master Class in Sound Art**	**3**	**C**
43-2410	**Aesthetics of the Motion Picture Soundtrack**	**3**	**C**
43-3622	**Networks and Networking for Media**	**3**	**C**
43-1110	**Introduction to Audio Theory**	**3**	**C**

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