

## Undergraduate Program Requirements

### Audio Arts & Acoustics Program Requirements

Currently displaying program requirements for academic year: UNDG 2012-2013

#### Acoustics BS12

75 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.

#### AA&A - Acoustics BS 2012

32 CREDITS - NOTE: Calculus I is a pre-requisite for most courses in this degree major.

**Acoustics Requirements** Courses: 10/10

Course	Title	Credits	Grade
<b>43-2110</b>	<b>Basic Audio Systems</b>	<b>3</b>	<b>C</b>
<b>43-2725</b>	<b>Studies in Hearing</b>	<b>3</b>	<b>C</b>
<b>43-2310</b>	<b>Introduction to Psychoacoustics and Sound Perception</b>	<b>3</b>	<b>C</b>
<b>43-1115</b>	<b>Audio Production I</b>	<b>4</b>	<b>C</b>
<b>43-2315</b>	<b>Architectural Acoustics</b>	<b>3</b>	<b>C</b>
<b>43-3315</b>	<b>Environmental Acoustics</b>	<b>3</b>	<b>C</b>
<b>43-3615</b>	<b>Topics Systems Contracting I</b>	<b>3</b>	<b>C</b>
<b>43-3325</b>	<b>Acoustical Testing I</b>	<b>3</b>	<b>C</b>
<b>43-3326</b>	<b>Acoustical Testing II</b>	<b>3</b>	<b>C</b>
<b>43-3320</b>	<b>Acoustical Modeling</b>	<b>3</b>	<b>C</b>

28 CREDITS - Students must take ALL the following courses offered by the college OR have similar courses transferred from other institutions.

**Science & Math Reqs** Courses: 8/8

Course	Title	Credits	Grade
<b>56-2721</b>	<b>Calculus II</b>	<b>4</b>	<b>C</b>
<b>56-3710</b>	<b>Calculus III</b>	<b>3</b>	<b>C</b>
<b>56-3720</b>	<b>Elementary Differential Equations</b>	<b>3</b>	<b>C</b>
<b>56-1722</b>	<b>Introduction to Statistical Methods</b>	<b>3</b>	<b>C</b>
<b>56-3740</b>	<b>Linear Algebra</b>	<b>4</b>	<b>C</b>
<b>56-3730</b>	<b>Numerical Analysis</b>	<b>4</b>	<b>C</b>
<b>56-1240</b>	<b>Material Science Technology</b>	<b>4</b>	<b>C</b>
<b>56-2830</b>	<b>Fundamentals of Physics I</b>	<b>3</b>	<b>C</b>

15 CREDITS - Select 5 courses from the following:

**AA&A Electives**

Courses: 5/5

Course	Title	Credits	Grade
<b>43-2325</b>	<b>Studies in Applied Acoustics</b>	<b>3</b>	<b>C</b>
<b>43-2410</b>	<b>Aesthetics of the Motion Picture Soundtrack</b>	<b>3</b>	<b>C</b>
<b>43-2610</b>	<b>Project Planning, Process and Implementation</b>	<b>3</b>	<b>C</b>
<b>43-2720</b>	<b>History of Audio</b>	<b>3</b>	<b>C</b>
<b>43-3120</b>	<b>Perception and Cognition of Sound</b>	<b>3</b>	<b>C</b>
<b>43-3290</b>	<b>Master Class in Sound Art</b>	<b>3</b>	<b>C</b>
<b>43-3310</b>	<b>Acoustics of Performance Spaces</b>	<b>3</b>	<b>C</b>
<b>43-3330</b>	<b>Engineered Acoustics</b>	<b>3</b>	<b>C</b>
<b>43-3340</b>	<b>Introduction to Vibration</b>	<b>3</b>	<b>C</b>
<b>43-3515</b>	<b>Studies in Loudspeaker Theory</b>	<b>3</b>	<b>C</b>
<b>43-3526</b>	<b>Digital Equalization and System Management</b>	<b>3</b>	<b>C</b>
<b>43-3610</b>	<b>Sound System Design</b>	<b>4</b>	<b>C</b>
<b>43-3619</b>	<b>CSI Practices for Graphical Documentation</b>	<b>3</b>	<b>C</b>
<b>43-3622</b>	<b>Networks and Networking for Media</b>	<b>3</b>	<b>C</b>
<b>43-3720</b>	<b>Principle of Digital Synthesis and Signal Processing</b>	<b>3</b>	<b>C</b>

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