Undergraduate Program Requirements

Audio Arts & Acoustics Program Requirements

Currently displaying program requirements for academic year: | UNDG 2016-2017   ▼ |

ACOUSTICS BS 2016

76 CREDITS MINIMUM 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 2016

ACOUSTICS REQS 31cr   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 CREDITS TOTAL of SCIENCE & MATH are needed for the BS. Similar courses may be transferred from other institutions:

SCIENCE & MATH REQ 18cr   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

12 CREDITS of SCIENCE / MATH Electives are required. Select four (4) courses, two of which need to be at the 3000 level:

SCI/MATH ELECTVS 12-16cr   Courses: 4/4

Course	Title	Credits	Grade

56-1240	Material Science Technology	4	C
56-2270	General Chemistry I	4	C
56-2271	General Chemistry II	4	C
56-2706	Introduction to Statistics	3	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
56-3810	Electricity and Magnetism	3	C
56-ELEC	Science and Mathematics Elective	3	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 are needed. Select five (5) courses from the following:

ELECTIVES 15cr   Courses: 5/5

Course	Title	Credits	Grade
43-1110	Introduction to Audio Theory	3	C
43-2410	Aesthetics of the Motion Picture Soundtrack	3	C
43-2610	Project Planning, Process and Implementation	3	C
43-2720	History of Audio	3	C
43-3120	Perception and Cognition of Sound	3	C
43-3290	Master Class in Sound Art	3	C
43-3310	Acoustics of Performance Spaces	3	C
43-3330	Engineered Acoustics	3	C
43-3340	Fundamentals of Vibration Analysis	3	C
43-3515	Studies in Loudspeaker Theory	3	C
43-3583	Research Methods: An Interdisciplinary Approach	3	C
43-3619	Installed Systems Documentation	3	C
43-3621	The Art of Troubleshooting	3	C
43-3720	Principles of Digital Signal Processing	3	C
43-4473	Audio Visual System Design	3	C

This page displays information from the OASIS Catalog.

The OASIS system is maintained by the IT department. Program requirement records are maintained by the associate deans in each of their respective schools.