

ARCHITECTURAL ACOUSTICS AT THE UNIVERSITY OF FLORIDA

Concentration studies in architectural acoustics are available for interested student within the Master of Science, Ph. D. and Master of Architecture programs. Students from the three programs are jointly enrolled in advanced classes where they work together. The detailed course listings for each degree are presented below.

Master of Science in Architectural Studies with a concentration in Architectural Acoustics. This degree program is for students with backgrounds in a variety of fields who wish to take concentrated courses in Architectural Acoustics so they can work as consultants in the field, conduct research or work for acoustical product manufacturers. They take several “core” courses in research methods and statistics, a series of courses within the School of Architecture as well as selected electives in colleges around the campus in related areas of interest. The course work is followed by individual research in a selected area culminating in a thesis project. Students who do not have previous work in topics related to architecture may be required to take prerequisite courses in various architectural topics.

MASTER OF SCIENCE IN ARCHITECTURAL STUDIES DEGREE PROGRAM IN ARCHITECTURAL ACOUSTICS

SEMESTER 1		
Course Number	Course Name	Credits
STA 6126	Statistics 1	3
ARC 6643	Architectural Acoustics	3
ARC 664X	Acoustical History of Theaters and Concert Halls	3
EE	Signal Processing	3
EE	Math Review	3
Subtotal		15

SEMESTER 2		
Course Number	Course Name	Credits
STA 6127	Statistics 2	3
ARC 6642	Applied Acoustics Design Laboratory	4

ARC 664X	Acoustics Instrumentation Laboratory	3
	Elective	3
Subtotal		13

SEMESTER 3		
Course Number	Course Name	Credits
ARC 664X	Integrated Architectural and Acoustics Design Studio	6
ARC 6653	Acoustical Modeling	3
ARC	Thesis Research	3
Subtotal		12

SEMESTER 4		
Course Number	Course Name	Credits
ARC 664X	Seminar in Acoustics	3
	Elective	3
ARC	Masters Thesis	6
Subtotal		12

TOTAL CREDIT HOURS

52

Doctor of Philosophy. The Doctor of Philosophy degree with a concentration in Architectural Acoustics is for advanced students or professionals who wish to conduct serious research and perhaps become academics or researchers at national laboratories or consultants. The program includes the Ph.D. core courses required at the College and School levels, a series of courses in Architectural Acoustics taught within the School of Architecture as well as multiple courses taken in other colleges on campus in acoustically-related areas. Students embark on long term individually oriented research that is often interdisciplinary in nature that culminates in their dissertation.

PH.D. PROGRAM WITH A CONCENTRATION IN ARCHITECTURAL ACOUSTICS

SEMESTER 1		
Course Number	Course Name	Credits
STA 6126	Statistics 1	3
ARC 6643	Architectural Acoustics	3
ARD 7790	Doctoral Core 1	3
EE	Electrical Engineering	3

	Math for Music Students	3
Subtotal		15

SEMESTER 2		
Course Number	Course Name	Credits
STA 6127	Statistics 2	3
ARC 6642	Applied Acoustics Design Laboratory	3
ARC 664X	Acoustics Instrumentation Laboratory	3
ARD 779	Doctoral Core 2	3
Subtotal		12

SEMESTER 3		
Course Number	Course Name	Credits
ARD	Doctoral Seminar	1
ARC 664X	Integrated Architectural and Acoustics Design Studio	6
ARC 6653	Acoustical Modeling	3
ARD	Directed Research	3
Subtotal		13

SEMESTER 4		
Course Number	Course Name	Credits
ARC 664X	Seminar in Acoustics	3
	Electives	6
ARD	Doctoral Seminar	1
ARC 664X	An Acoustical History of Theaters and Concert Halls	3
Subtotal		13

After the fourth semester, students would take their qualifying exams, take directed studies with committee members and begin dissertation research under the supervision of Professors Siebein and Gold.

Pre-approved electives for all 3 programs include those courses listed below.

Doddington: Engineering Instrumentation

Shrivastav: Speech and Hearing
 Sain: Electronic Music
 Rothman: Speech Communication
 Mechanical Noise and Vibration Control
 Technical Theater
 Music Theory and History courses
 Electrical engineering and signal processing courses as appropriate to the students' backgrounds
 Computer programming, GIS and visual basic courses as appropriate to the students' backgrounds
 Others with permission of Program Coordinator

Master of Architecture. The Master of Architecture degree is offered as a one year program for students who already have a 5 year Bachelor of Architecture degree, a 2 year program for students who have a Bachelors degree in Architecture from UF or another NAAB accredited program or a 4 year degree for students who have Bachelors degrees in other fields. The Master of Architecture degree is the professional degree that ultimately leads one to internship and registration as a registered Architect. A concentration in Architectural Acoustics can be developed in the final 2 years of the program by focusing electives and the Masters Research Project in acoustical topics. A program similar to the Master of Science is followed in addition to the professional degree requirements.

MASTER OF ARCHITECTURE DEGREE PROGRAM WITH A CONCENTRATION IN ARCHITECTURAL ACOUSTICS

SEMESTER 1		
Course Number	Course Name	Credits
ARC 6643	Architectural Acoustics	3
ARC 6241	Advanced Studio 1	6
ARC 657X	Advanced Architectural Structures	3
Subtotal		12

SEMESTER 2		
Course Number	Course Name	Credits
ARC 6355	Advanced Studio 2	6
ARC 6642	Applied Acoustics Design Laboratory	3
ARC 6242	Research Methods	2
ARC 67XX	History/Theory Elective	3
Subtotal		14

SEMESTER 3		
Course Number	Course Name	Credits
ARC 664X	Integrated Architectural and Acoustics Design Studio	6

ARC 6653	Acoustics Elective	3
ARC 6971	Thesis Research	3
Subtotal		12

SEMESTER 4		
Course Number	Course Name	Credits
ARC 6281	Professional Practice	3
	Elective	3
ARC 6971	Masters Thesis (Thesis required, not MRP)	6
Subtotal		12

TOTAL CREDIT HOURS

52

Add additional electives to reach total required credit hours for M Arch.

Please contact Professor Gary W. Siebein gsiebein@siebeinacoustic.com for additional information.