

TITLE PAGE

# **Division of Architecture**

# ***DIVISION OF ARCHITECTURE***

Architecture Building, Room 103  
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<http://www.arch.andrews.edu>

## **Faculty**

Llewellyn D. Seibold, *Division Administrator*  
Paula L. Dronen, *Program Administrator*  
Philip H. Bess, *Faculty Administrator*  
Carey C. Carscallen  
William W. Davidson, *Professor Emeritus*  
Kathleen M. Demsky, *Library Director*  
Thomas B. Lowing  
Mark A. Moreno  
Michael Newman  
Arpad D. Ronaszegi  
Rhonda G. Root

<b>Academic Programs</b>	<b>Credits</b>
BArch: Bachelor of Architecture	171-174
BS: Architectural Studies	124-127
Minor in Architectural Studies	22

## **ACADEMIC CALENDAR**

In addition to the campus-wide calendar in the front of this bulletin, the following date is specific to the Division of Architecture.

### **2001**

#### **May**

25 Tues Deadline for applications to professional program

## **MISSION**

The Division of Architecture seeks to identify, understand, and teach the nature and practice of architecture. Architecture commonly is understood to be the art of building. This art manifests specific architectural concerns (e.g., durability, convenience, beauty, and decorum) in ways that satisfy both the practical needs and the intellectual, aesthetic, and spiritual sensibilities of human beings. The division desires that its faculty and students pursue excellence in the lifelong vocation of architecture. The foremost purpose of this pursuit is the creation of a physical environment for the glory of God and the good of human beings. Toward this end, we structure both the substance and the manner of our curriculum.

# **Programs**

The following statements are required by the National Architectural Accrediting Board to define program types. Andrews University

of the Program Mission, and to students in their professional development. Use of the computer in the curriculum varies by course.

Students are required to have a laptop computer and software meeting guidelines available in the Division office. Because computer technology changes rapidly and frequently, a revised policy is drafted in the Fall semester outlining the specific requirements for each year. Consequently, the Division recommends awaiting each year's minimum specifications prior to making purchases. Laptop purchases should be made prior to the end of Fall semester, Pre-Arch year two.

Fees are assessed each year regarding computer lab and laptop network cards.

#### OTHER POLICIES

Students are responsible for all policies outlined in the *Division of Architecture Student Handbook*.

### Professional Degree Bachelor of Architecture

#### PRE-ARCH YEAR ONE

##### General Education—21.5-24.5

HIST117, 118; ENGL115; COMM104;  
MATH168; BHSC100; HLED130;  
RELT100, PE elective, Computer  
Competency Exam

##### Architecture Core—8

ARCH125, 126

##### Architecture Elective—2

Recommended ARCH150

#### PRE-ARCH YEAR TWO

##### General Education—6.5

ENGL215; PHYS115; PE elective

##### Architecture Core—26

ARCH201, 202, 205, 241, 242, 315, 316

#### THIRD THROUGH FIFTH YEARS

##### General Education—9

Religion electives

##### Architecture Core—68

ARCH305, 321, 322, 330, 335, 336, 370,  
434, 441, 442, 449, 459, 521, 522, 535

##### Architecture Electives—30

Total credits for BArch degree—171-174

### Non-professional Degree

#### BS: Architectural Studies

##### BS Core—37

##### General Education—54-57

See general education requirements for  
Bachelor of Science degree.

##### Major Requirements—16

ARCH125, 126, 150, 315, 316

##### Major Electives—21

A minimum of 9 upper division credits from  
courses with ARCH acronyms.

##### Cognate Requirements—6

ART104, 207.

##### Minor Requirements—22

##### General Electives—5

Total credits for the BS degree—124-127

### Minor in Architectural Studies—22

ARCH125, 126, 150; plus 12 additional credits  
with a minimum of 6 upper division credits from  
courses with ARCH acronyms.

## Courses

(Credits)

See inside back cover for symbol code.

#### ARCH108 (3)

##### *Introduction to Structural Mechanics*

Laws of static equilibrium, centroids and moment of inertia. Concepts of stress, strain, flexure, shear, and torsion. Basic design of simple structural member of steel, wood, and reinforced concrete. Open to all students except engineering, mathematics, or physics majors. Prerequisite: high-school algebra. May not be offered each year.

#### ARCH125 (3)

(was ARCH171)

##### *Drawing & Graphics Studio*

Introduction to freehand drawing and architectural graphic conventions. Exercises include freehand and drafted drawings of building plans, sections, and elevations, and an introduction to three-dimensional representation. *Fall, Summer*

#### ARCH126 (5)

(was ARCH172)

##### *Introduction to Design Studio*

Introduction to formal composition, abstract architectural elements, and traditional architectural proportioning systems and presentation techniques. *Spring, Summer*

#### ARCH150 (2)

##### *Introduction to Architecture*

Emphasis on design concepts, professional vocabulary, historical appreciation, contemporary issues, and values that are important to the mission of the Division of Architecture. Open to all students. *Fall*

#### ARCH201 (3)

##### *Construction I*

An overview of structural systems and a qualitative analysis of the flow of forces in buildings. Construction materials and assemblies, detailing, and material selection. Includes soil, concrete, masonry, metals, and wood. *Fall*

#### ARCH202 (3)

##### *Construction II*

Weatherproofing, finish materials, and detailing in construction. System and component selection and introduction to cost estimating. Prerequisite: ARCH201. *Spring*

#### ARCH205, 305 (4,4)

(was ARCH110/210 & 310/410)

##### *Structures I, II*

Topics in statics, strength, of materials, structural analysis, and design in reinforced concrete, st caArchit 0.05 0.05 )

context. Prerequisites: HIST117, 118 &  
ENGL115. *Spring*

**ARCH321** (5)  
(was ARCH371)  
*Sustainable Design Studio*