

***DIVISION OF
ARCHITECTURE***

Architecture Building, Room 103
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introduced primarily for laptop use within the Division. Other buildings on campus share the same network for added computing flexibility. The Division also houses an expanding slide collection of approximately 80,000 slides.

Student Handbook. A handbook for Division of Architecture students outlining policies, operational guidelines, and general information is available on the World Wide Web.

Master of Architecture 5^{1/2} Year Professional Degree Track

ADMISSION PROCEDURE

Students seeking to pursue architecture at Andrews University must first submit an Andrews University undergraduate application for acceptance to the pre-architecture years. Upon completion of the pre-architecture years, students must apply for acceptance into the professional degree track. This application packet is submitted directly to the Division of Architecture, and may be obtained from the division office. Please note that acceptance to the university for the pre-architecture years does not guarantee acceptance to the professional degree track. Upon acceptance to the professional degree track, academic standards must be maintained in order to move from the Bachelor of Science in Architecture degree to the final year of study, resulting in the Master of Architecture degree.

TRANSFER STUDENTS

Transfer applicants who have no previous work in architectural design must complete the foundation (pre-architecture) years and then make formal application to the professional degree track.

Advanced Standing. Transfer students from another architecture program may apply for advanced standing (third or fourth year) in the professional degree track. The Division of Architecture does not accept applications to the Master of Architecture Year only. Some transfer students applying for admission to the professional degree track, however, may be required to submit both the university application and the Division of Architecture application. Please contact the Division for specific information.

Tentative placement into the design sequence is made after the Admissions Committee has evaluated the student's submissions. After one term, the student is given final placement in the design sequence and, on the basis of transfer-course evaluations, receives credit for previous academic work towards the Andrews University degree.

Summer Studio. In some cases, completion of the Summer Studio program is best for transfer students. Prior to application, students must have a transcript analysis done by the Division of Architecture to determine eligibility for the program.

Application to the Summer Studio is made by filling out an Andrews University Undergraduate Application. Students applying to this program, in addition to applying to Andrews University, must also contact the Division of Architecture directly to confirm their reservation for the class. The deadline for reserving seats is April 15.

ACADEMIC STANDARDS

A grade of C- or higher is required in order to continue in the design studio sequence. A grade of less than C- requires a student to repeat that studio before advancing in the studio sequence. (This includes ART104, ARCH126, 215, 247, 318, 320, 441, 442, 521, and 522). Students must maintain the minimum overall 2.50 cumulative required GPA for graduation.

COMPUTER POLICY

The Division of Architecture regards the computer as a tool helpful in achieving the purposes 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 com-

Summer Abroad. Each student is expected to attend the Summer Abroad Program offered every summer. This program is usually four weeks in duration. Students completing Professional Year One should make plans accordingly. For further information, consult the Division of Architecture.

GRADUATE-YEAR ENROLLMENT

Graduate Admission Requirements. In addition to meeting the General Minimum Admission Requirements for graduate degree programs on p. 47, the following Division requirements apply to the graduate phase of this program. (These are subject to change by action of the Division's Academic Policies and Curricula Committee.)

1. Completion of a baccalaureate degree—BSA: Architecture.
2. Successful completion of all undergraduate coursework with a minimum GPA of 2.75.

MArch Professional Degree

Architecture Core—16
ARCH521, 522, 535

Architecture Electives—15

A minimum of 15 credits of architecture electives at the graduate level. Selection of electives outside of Division offerings requires the approval of the Division faculty.

Continued Graduate Enrollment Requirements

1. No grade lower than C (2.00) in any course in the graduate portion of the program.
2. A student whose cumulative graduate GPA falls below 3.0 in any given term is placed on academic probation. A student is normally disqualified if they do not increase their graduate GPA to 3.0 during the academic term of probation.
3. A minimum cumulative GPA of 3.0 is required to receive the Master of Architecture degree.

MArch 3^{1/2} Year Track

Architecture Core—84
ART104, ARCH126, 150, 201, 202, 205, 215, 247 or 318, 315, 316, 335, 336, 370, 434, 441, 442, 449, 459, 521, 522, 535

Architecture Electives—14

Total credits for 3^{1/2} Year MArch degree—99

Non-professional Degree

BS: Architectural Studies

BS Core—37

General Education—57

See general education requirements for Bachelor of Science degree.

Major Requirements—16

ARCH126, 150, 215, 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—127

Minor in Architectural Studies—22

ARCH126, 150, 215; plus 12 additional credits with a minimum of 6 upper division credits from courses with ARCH acronyms.

Courses

(Credits)

See inside front cover for symbol code.

ARCH126 (3)

Drawing and Graphics Studio

Introduction to freehand drawing and architectural drawing graphic conventions. Exercises include freehand and drafted drawings of building plans, sections, and elevations, and an introduction to 3-dimensional representation. *Spring, Summer*

ARCH150 (3)

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 site work, foundation, and structural systems as well as an investigation into the structural and material properties, assembly methods and detailing primarily for wood and masonry construction system. *Fall*

ARCH202 (3)

Construction II

An investigation into the structural and material properties, assembly methods and detailing primarily for steel and concrete construction systems as well as an introduction to cost estimating. Prerequisite: ARCH201. *Spring*

ARCH205, 305, 405 (4, 2, 2)

Structures I, II, III

Topics in statics, strength of materials, structural analysis, and design in reinforced concrete, steel, and wood. Wind and seismic loading. Prerequisites: MATH168 & PHYS141; ARCH205 is a prerequisite to ARCH305 & 405. *Fall, Spring*

ARCH215 (3)

Introduction to Design Studio

Introduction to formal composition, abstract architectural elements, and traditional architectural proportioning systems and presentation techniques. Prerequisite: ARCH126, INFS110. *Fall*

ARCH247 (5)

Architecture as Craft Studio

Design projects focusing on the materiality of architecture and the logic of construction. Prerequisites: ARCH215. *Spring*

ARCH299 (1–4)

Independent Study

Study of special topics not currently offered by the Division of Architecture. In consultation with a professor, the student researches a selected area, filing a copy of the completed project report in the Division of Architecture office. A minimum of 30 hours of work required for each credit. May be repeated for a total of 6 credits.

- ARCH315** (3) the Division of Architecture. May be repeated in different topic areas. Topics include, but are not limited to, Architecture of the Ancient Americas, Islamic Architecture, Furniture Design, Surveying.
- History of Architecture I**
- Chronological overview of the history of architecture from pre-history through the 14th century (Gothic). Emphasis is on the vocabulary and design of buildings, their symbolic relationships, and their meaning in a cultural and human context. Prerequisites: HIST117, 118 & ENGL115. *Fall*
- ARCH316** (3) **S (2–6)**
- History of Architecture II**
- Chronological overview of the history of architecture from the 15th century (Renaissance) to today. Emphasis is on the vocabulary and design of buildings, their symbolic relationships, and their meaning in a cultural and human context. Prerequisites: HIST117, 118 & ENGL115. *Spring*
- ARCH318** (5) **ARCH395/595**
- Background Building Studio**
- Design of a commercial and/or residential building(s) of increased programmatic complexity, in the physical and cultural setting of a traditional small town or urban neighborhood. Prerequisite: ARCH320. *Spring*
- ARCH320** (5) **Community Project in Architecture**
- Introduction to building design as it relates to landscape and to human nature, in simple program projects. Prerequisites: ARCH247. *Fall*
- ARCH330** (3) **ARCH396** (1–6)
- Analytical Summer Abroad**
- A course focusing upon study, analysis, and documentation of buildings, spaces, and/or gardens in another country. Venues may change from year to year. Prerequisite: ARCH318. *Summer*
- ARCH335** (3) **Cooperative Work Experience**
- Supervised work with an architecture or construction firm. 120 hours of work is required for each credit. May be repeated up to 6 credits. Prerequisites: 3rd year standing and application one semester in advance of the planned work. Graded on S/U basis.
- Environmental Technology I**
- Introduction to environmentally, energy-conscious design concepts with the primary focus on climate and site analysis. An overview of standard evaluation methods for thermal performance in both design development and qualitative building evaluations covers heat loss/gain, thermal and solar envelope, HVAC system selection and layout. Principles of water conservation, collection and supply, and the treatment and disposal of liquid and solid wastes. *Fall*
- ARCH336** (3) **ARCH434** (4)
- Environmental Technology II**
- Principles of design for fire safety and code compliance. Principles of electricity and a brief survey of electrical systems and wiring design. The design and location requirements of elevators and moving stairways and walks. A qualitative over-view of lighting and acoustics and their integration into the design of buildings with introductory quantitative methods. Prerequisite: PHYS115. *Spring*
- ARCH370** (3) **Urban Studies**
- Studies in the relationship between people and the environment, including a consideration of towns, cities, gardens, buildings, and artifacts, as well as the cultural and natural landscape. Prerequisite: ARCH320.
- ARCH390/485** ◆ (1–4)
- Special Topics in _____**
- Based on selected topics of current interest in architecture offered by

GRADUATE

ARCH521 (6)

Urban Design Studio

Urban design proposal for a small town (or parts thereof), urban neighborhood, or college campus. Prerequisite: ARCH518. *Fall*

ARCH522 (6)

Visiting Critic/Topic Studio

Design project(s) to be determined by Visiting Critic and regular faculty. Topic of studio varies. Prerequisite: ARCH521. *Spring*

ARCH535 (4)

Professional Practice

Lectures and seminars focusing on Judeo-Christian values and social responsibilities in the profession. Studies introduce conventional practice methods and career planning for present and future. Topical areas include the role of the architect, organization and management of the firm, and project administration.

ARCH599 (1–4)

Independent Research

Study of special topics not currently offered by the Division of Architecture. In consultation with a professor, the student researches a selected area, filing a copy of the completed project report in the Division of Architecture office. A minimum of 30 hours of work required for each credit. May be repeated for a total of 6 credits. May not be offered each year.