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Faculty

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Robin A. Johnson
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Rhonda G. Root
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Kristin S. von Maur

Academic Programs	Credits
MArch: (3 ^{1/2} Year Track)	100
MArch: (5 ^{1/2} Year Track)	
Master of Architecture	31
BSA in Architecture	137
BS: Architectural Studies (Non-Prof.)	127
Minor in Architectural Studies	22

M

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,

Student Handbook. A handbook for Division of Architecture students outlining policies, operational guidelines, and general information is available from the Division office.

Ad P ced e

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.

T a fe S de

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.

Acade c S a da d

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. Faculty approval is required for any studio course to be repeated. (This includes ART104, ARCH126, 215, 247, 318, 320, 441, 442.) Refer to the MArch Professional Degree section for graduate academic standards.

C e P α

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 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. Students must possess a laptop by the beginning of Fall Semester Pre-Arch Year Two. Transfer students entering Pre-Arch Year Two must possess a laptop by the beginning of the academic year.

Laptop network cards are purchased by the student.

O e P ce

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

Professional Degree Track

P e-A c Yea O e

General Education—23

COMM104, ENGL115, HIST117, 118, HLED120, MATH168, RELT100, INFS110

Architecture Core—6

ARCH126, 150

Required Cognate—3

ART104

Continued Undergraduate Enrollment Requirements—2.5 Cumulative GPA

P e-A c Yea T

General Education—5

PE elective, PHYS141

Architecture Core—26

ARCH201, 202, 205, 215, 247, 315, 316

Continued Undergraduate Enrollment Requirements

Application to continue undergraduate program

1. Application and \$40 fee
2. Cumulative GPA of 2.75
3. Portfolio
4. Three letters of recommendation (two must be from academic sources)
5. Letter of Intent
6. Acceptance into Professional Degree Track

A c ec e Yea T ee & F

BSA

General Education—15

BHSC100, ENGL215, PE elective, Religion electives

Architecture Core—40

ARCH318, 320, 335, 336, 370, 434, 441, 442, 449, 459

Summer Abroad—6

ARCH330

Architecture Electives—13

Total credits for BSA degree—137

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

Architecture Electives. Of the 13 undergraduate and 15 graduate credits, a minimum of 2 credits are required in Community Project and a minimum of 2 credits are required in Environmental Technology or Sustainable Design.

Graduate Year

Graduate Admission Requirements. In addition to meeting the General Minimum Admission Requirements for graduate degree programs on p. 44, 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—19

ARCH450, 521, 522, 535

Architecture Electives—12

A minimum of 12 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—83

ARCH150, 201, 202, 205, 247, 315, 316, 318, 320, 335, 336, 370, 434, 441, 442, 449, 450, 459, 521, 522, 535

Architecture Electives—17

Recommended Prerequisite—ARCH126 is recommended, or may be required at the discretion of the Admissions Committee.

Total credits for 3^{1/2} Year MArch degree—100

Non-Professional Degree

BS: Architectural Studies

BS Core—37

General Education—57

See general education requirements for BS 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.

Course (Credits)

See inside front cover for symbol code.

ARCH126 (3)

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 three-dimensional representation. *Spring, Summer*

ARCH150 (3)

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)

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)

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 (4)

Topics in statics, strength of materials and structural analysis. Design of steel and wood structural systems. Prerequisites: MATH168 & PHYS141. *Spring*

ARCH215 (3)

Introduction to formal composition, architectural typology and principles of building context in the design of buildings and artifacts with simple program elements. Prerequisite: ARCH126. *Fall*

ARCH247 (5)

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

ARCH299 (1-4)

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)

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)

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)

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)

The design of buildings as it relates to human experience with increased complexity of program and form. Prerequisites: ARCH247. *Fall*

ARCH330 (6)

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)

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)

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 overview of lighting and acoustics and their integration into the design of buildings with introductory quantitative methods. Prerequisite: PHYS141. *Spring*

ARCH370 \$ (3)

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)

Based on selected topics of current interest in architecture offered by 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.

ARCH395/595 S (2-6)

“Hands-on” involvement in humanitarian and/ or service oriented projects. Work initiated by students requires prior approval of faculty. Graded on S/U basis. May be repeated for up to 6 credits.

ARCH396 (1-6)

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.

ARCH434 \$ (4)

A broad survey, both typological and historical, of the physical characteristics of cities and their development, with an emphasis upon urban form as a cooperative human artifact embodying particular cultural values and ideas. Prerequisites: ENGL115; HIST117, 118.

ARCH499**(1-4)**

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.

G a d a e**ARCH521****(6)**

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

ARCH522**(6)**

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

ARCH535**(4)**

Lectures and seminars focusing on Judeo-Christian values and social