DIVISION OF ARCHITECTURE

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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

The Division of Architecture or the Bachelor of Architecture degree program. Students must meet the minimum GPA requirements to proceed from Pre-Arch Year One to Pre-Arch Year Two. Upon the completion of the pre-architecture years in The Division of Architecture, students must apply for acceptance into the Bachelor of Architecture program. Application packets specifying standards for acceptance are available from the division office.

Transfer Students. Transfer applicants who have had no previous course work in architectural design must complete the foundation (or "pre-architecture") years and then make formal application to the professional program.

Advanced Standing. Transfer students from another architecture program may apply for advanced standing (third or fourth year) in the professional program. The Division of Architecture does not accept applications to the fifth year of study. Students desiring to apply for advanced standing should make formal application to the professional program.

Tentative placement into the design sequence is made after the Admissions Committee has evaluated the student's submissions. After one semester, the student is given final placement in the design sequence and, on the basis of transfer-course evaluations, receives credit for previous academic work toward the Andrews University degree. Transfer students may petition up to nine credits toward the architecture elective line.

General Education Requirements—40-43
Religion—12
RELT100, plus three of the following:RELB210, RELP400, RELT250, 340
Arts & Humanities—5
HIST117, 118
Physical/Natural Science—3
PHYS115
Social Science—3
ARCH370
Language & Communication—8
Written Expression: ENGL115, 215
Communication: COMM104
Mathematics & Computer Science—4-7
MATH166 & 167, Computer Competency exam
Service—2
BHSC100 plus fieldwork;
AIAS Volunteer in Community Projects;
ADRA or Maranatha Projects
Wellness—3
HLED130, two activity courses

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 ARCH125, 126, 241, 242, 321, 322, 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 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 Pre-Arch Year One. 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.

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—21-24
HIST117, 118; ENGL115; COMM104; MATH166, 167; BHSC100; HLED130; RELT100, Computer Competency Exam
Architecture Core—8
ARCH125, 126
Architecture Elective—2
Recommended ARCH150

PRE-ARCH YEAR TWO
General Education—6.5
PHYS115; Religion elective, PE elective
Architecture Core—26
ARCH201, 202, 205, 241, 242, 315, 316

THIRD THROUGH FIFTH YEARS
General Education—9.5
Religion electives, ENGL215, PE Elective
Architecture Core—65
ARCH305, 321, 322, 330, 335, 336, 370, 405, 434, 441, 442, 449, 459, 521, 522, 535
Architecture Electives—26
Total credits for BArch degree—164-167

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 front cover for symbol code.

ARCH125 (5)

Introduction to Design Studio

Introduction to formal composition, abstract architectural elements, and traditional architectural proportioning systems and presentation techniques. Tw (Intrtioning systems anr 32.h4men6 T7s a.ng syste T*, Summbhr 32.h4meno .4((5))7] Tw6[(ARCH125)-23278.4((5))]TJ /F1

ARCH335 (4)
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 (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*

ARCH350 (3-6)
Architectural Design
Studio with topics and projects appropriate to the major or minor in architectural studies. May be repeated up to total of 8 credits. Prerequisite: ARCH242. May not be offered each year.

ARCH360/560 (2-3)
Islamic Architecture
A focused view on the period of architectural history known as Islamic Architecture. Covers the beginnings of Islamic period from 600 CE down to the present time, looking at Islamic buildings from all parts of the world. Prerequisite: ARCH315 & 316.

ARCH365 (2-3)
Issues in Contemporary Architecture
Lectures, readings, visits with architects and to architectural sites. Topics include current architectural developments in the western world. May be offered as part of European Architecture tour or off-campus summer session. Prerequisites: ARCH315 & 316. May not be offered each year.

ARCH370 (3)
Person-Environment Theory
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: ARCH241.

ARCH390/590 (1-4)
Special Topics in _____
Based on selected topics of current interest in architecture offered by the Division of Architecture. May be repeated in different topic areas. May not be offered each year.

ARCH395 (2-6)
Community Project in Architecture
"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)
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.

ARCH415/515 (1-4)
Design Studio Practicum
Students assist studio teachers in design courses as critics. The course is open to students interested in teaching and architectural criticism and who are chosen by the Division faculty for demonstrable potential in this area.

ARCH420 (2-4)
European Office Practicum
Offered during summers in Berlin, Germany, or other European locations. Students spend at least four weeks in architectural offices where they participate on actual projects. Prerequisites: ARCH242 and acceptance to European Office Practicum. Graded on S/U basis.

ARCH434 (4)
Urban Studies
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. *Fall*

ARCH441 (6)
Foreground Building Studio
Design of a public and/or civic building in the physical and cultural setting of a traditional small town or urban neighborhood. Prerequisite: ARCH322; Corequisite: ARCH449. *Fall*

ARCH442 (6)
Integrative Design Studio
Comprehensive building design project: site design, building design, and development of architectural detail (including integration of materials and structural and environmental systems). Prerequisite: ARCH441. *Spring*

ARCH449 (3)
Integrative Design
Preliminary design of the structure and environmental control systems for a concurrent studio project. Building codes,

ARCH510 **(3)**
Advanced Structures Seminar
A consideration of topics in structural analysis and design as they relate to the Architecture Review Examination. Graded on S/U basis. Prerequisite: ARCH305 or equivalent. May not be offered each year.

ARCH521 **(6)**
Urban Design Studio
Urban design proposal for a small town (or parts thereof), urban neighborhood, or college campus. Prerequisites: ARCH330 and 442. *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. Prerequisite: ARCH442 or permission of instructor.