

School of Architecture

Dean:

Michael N. Lykoudis

Associate Dean:

John Stamper

Assistant Dean:

Rev. Richard S. Bullene, CSC

Professors:

Robert L. Amico; Philip H. Bess; Norman A. Crowe; Dennis P. Doordan; Michael N. Lykoudis; Thomas Gordon Smith; Carroll William Westfall

Associate Professors:

Richard Economakis; Sally Hood; David Mayernik; Steven Semes; John W. Stamper; Duncan G. Stroik; Samir Younés

Assistant Professors:

Imdat As; Victor Deupi; Barbara Kenda; Krunali Uplekar

Visiting Professor:

Ingrid Rowland

Visiting Associate Professor:

Ronald Sakal

Visiting Assistant Professors:

Ricardo Arosemena; Frank Huderwitz; Thomas Lowing; Ettore Mazzola; Richard Piccolo; David Sassano; Marie Andree Soundy

Professional Specialist:

Robert J. Brandt; Rev. R.S. Bullene, CSC; Al DeFrees; Giovanna Lenzi-Sandusky

Program of Studies. The study of architecture has a long and distinguished history at the University of Notre Dame. Courses in architecture were taught at the University as early as 1869. Formal instruction in architecture began in 1898. The Department of Architecture, previously part of the College of Engineering, became the free-standing School of Architecture in 1994. The school offers a five-year program leading to the degree of bachelor of architecture and a two-year program leading to the degree of master of architecture. The program is accredited by the National Architectural Accrediting Board, and the curriculum conforms to NAAB requirements for the professional degree in architecture.

Since the early 1990s, the school's curriculum has been based on education in traditional and classical architecture and urbanism. Instruction teaches the skills, cultivates the talents, and imparts the knowledge necessary to produce buildings that represent innovation within long-standing traditions, use nature's materials responsibly, and contribute to building livable communities. The school believes this is best done by learning how recurring problems in designing and constructing buildings and fitting them into existing urban and rural settings have been addressed in the past and adapting those lessons to the ever-changing circumstances of the modern world.

The goals of the curriculum include developing competence in the design of individual buildings, understanding the relationship between individual

buildings and their physical and cultural contexts, and recognizing the ethical dimensions of the professional practice of architecture. Architects play a primary role in shaping the built environment and have a professional responsibility to do so in a manner that contributes to the civil life of society. Their work must also help to renew and sustain the integrity of the natural world and promote social welfare.

While the primary objective of the curriculum is professional education, students have opportunities to explore fields such as business, engineering, environmental sciences, and the liberal arts through electives. They also have required electives in theology and philosophy.

In the United States, most state registration boards require a degree from an accredited professional degree program as a prerequisite for licensure. The National Architectural Accrediting Board (NAAB), which is the sole agency authorized to accredit US professional degree programs in architecture, recognizes three types of degrees: the bachelor of architecture, the master of architecture, and the doctor of architecture. A program may be granted a six-year, three-year, or two-year term of accreditation, depending on its degree of conformance with established educational standards.

Master's degree programs may consist of a pre-professional undergraduate degree and a professional graduate degree, which, when earned sequentially, comprise an accredited professional education. However, the preprofessional degree is not, by itself, recognized as an accredited degree.

In addition to the first professional degree of bachelor of architecture, the school offers degree programs at the master's level: a professional master of architecture (MArch) and a post-professional master of architectural design and urbanism (MADU). The degree program is for graduate students whose undergraduate degree involved a four-year major in architecture. The school also offers a post-professional master's degree in either classical building design or urban design for the student who already holds a first professional degree in architecture at either the bachelor's or master's level.

A concentration in furniture design is also an option within the first professional degree program. Required courses for the concentration are ARCH 41811, Beginning Furniture; ARCH 41821, Advanced Furniture Design; ARCH 57811, Special Studies in Furniture Design; ARCH 57821, Special Studies in Furniture Design 2; and either AMST 20107, American Art: History and Culture, or AMST 43109, Material America. (Either of the last two courses will satisfy a portion of the University history requirement.)

Both the undergraduate and graduate programs at Notre Dame take advantage of the school's proximity to Chicago. In addition, all third-year students spend the academic year in the school's Rome Studies Center in Italy. All graduate students spend a spring semester there. Some limited scholarship aid is available for the additional expenses incurred in Rome.

The initial phase of undergraduate architectural study is devoted to acquiring basic design and technical skills and developing an understanding of architectural concepts by learning canonical forms of classical architecture and manipulating them in design problems. The sophomore year begins with paradigmatic projects and ends by solving complex and challenging building programs. The sophomore foundation is reinforced in the third year, which is spent in Rome. There, 2,500 years of building tradition provides the context for contemporary design problems. Fourth-year students return to Notre Dame, where they are reintroduced to the American context. At this stage, students are encouraged to synthesize their interpretations of the historical legacy in the context of American urban centers and small cities. They are also challenged by projects that require them to engage architectural problems outside their normal Western focus. The undergraduate program culminates with a thesis design project completed in the fifth year of study. In 2000, the school opened the South Bend Downtown Design Center, which it operates in collaboration with the Downtown Partnership. This center provides fourth- and fifth-year students with opportunities to do community planning projects and architectural design exercises in conjunction with local architects, planning officials, and community groups. In addition to studio instruction, students complete course work in structural, mechanical, and environmental systems and architectural history. History and theory courses in the School of Architecture include a two-semester survey of the history of architecture from the earliest times to the present and specialized upper-level course work in selected topics involving the history and theory of architecture.

Students are in contact with practicing professionals through collaboration between the School of Architecture and the South Bend Downtown Design Center, as well as the Northern Indiana Chapter of the American Institute of Architects. The School of Architecture has an active chapter of the American Institute of Architecture Students.

Facilities. The School of Architecture is located in Bond Hall of Architecture. This building, the former University Library, was thoroughly rebuilt from 1995 through 1996. The 60,000-square-foot building contains classrooms, an auditorium, library, computer lab, and studios that are both functional and designed in accord with the historical limestone structure. The Rome Studies Center is in the heart of Rome's historic center.

Richard H. Driehaus Prize in Classical Architecture
Richard H. Driehaus, the founder and chairman of Driehaus Capital Management in Chicago, initiated the Richard H. Driehaus Prize in Classical Architecture to honor a major contributor in the field of traditional and classical architecture or historic preservation. In 2004, he initiated the Henry Hope Reed prize to recognize outstanding contributions to the welfare of the traditional city and its architecture. He established the prizes through the University of Notre Dame's School of Architecture because of its

SCHOOL OF ARCHITECTURE

reputation as a national leader in incorporating the ideals of traditional and classical architecture into the task of modern urban development.

First Year

First-year students intending to major in architecture take the following courses:

<i>Course</i>	<i>First Semester Credits</i>	<i>Second Semester Credits</i>
Composition/ University Seminar	3	3
MATH 10250 and 10270	3	3
PHYS 10111 and 10122 or PHYS 10111 and Science Elective	3	3
History or Social Science	3	—
ARCH 11011: Graphics I	3	—
ARCH 11021: Graphics II	—	3
ARCH 10311: Architectural Writings	—	4
Physical Education	—	—
	15	16

The courses listed below indicate the normal sequence for sophomore, junior, senior, and fifth years majoring in architecture.

Sophomore Year*First Semester*

ARCH 21111. Design I	6
ARCH 20411. Building Technology I	3
ARCH 20211. Architectural History I	3
ROIT 10105. Beginning Italian I	3
Theology or Philosophy	3
	18

Second Semester

ARCH 21121. Design II	6
ARCH 20221. Architectural History II	3
ARCH 20511. Structural Mechanics for Architects	3
ROIT 10106. Beginning Italian II	3
Theology or Philosophy	3
	18

Junior Year (Rome Studies Program)*First Semester*

ARCH 31112. Design III	6
ARCH 30312. Architectural History III	3
ARCH 30212. Roman Urbanism and Architecture I	3
ARCH 31012. Graphics III. Freehand Drawing	3
	15

Second Semester

ARCH 31122. Design IV	6
ARCH 30322 Architectural History IV	3
ARCH 30222. Roman Urbanism and Architecture II	3
ARCH 31022 Graphics IV. Watercolor	3
	15

Senior Year*First Semester*

ARCH 20619. Environmental Studies	3
ARCH 41411. Design V	6
ARCH 41011. Graphics V. Computers	3
ARCH 40511. Structural Design for Architects	3
Theology or Philosophy	3
	18

Second Semester

ARCH 41121. Design VI	6
ARCH 4____. Building Technology II	3
ARCH 40521. Structural Systems	3
Elective	3
Theology or Philosophy	3
Social Science or History	3
	18

Fifth Year*First Semester*

ARCH 51111. Design VII	6
ARCH 50411. Environmental Systems	3
Elective	3
Elective	3
	15

Second Semester

ARCH 51121. Design VIII (Thesis)	6
ARCH 50711. Professional Practice	3
Elective	3
Elective	3
	15

Total for five years: 163 semester hours.

**ARCHITECTURE
COURSE DESCRIPTIONS**

The following course descriptions give the number and title of each course. Lecture hours per week and laboratory and/or tutorial hours per week, and credits each semester are in parentheses.

ARCH 01110. Career Discovery: Architecture at Notre Dame

(3-6-0) Defrees, Stamper
Two-week summer Program for high school students interested in architecture.

ARCH 10311. Analysis of Architectural Writing (4-0-4) Bullene

This course examines concepts of architecture within writings about architecture. It explores universal issues of function, strength, and beauty, along with the interactions between theory and practice and the tensions between tradition and innovation. The course work consists of analytical drawings, design exercises, and exams. It is open to all students. Required for those intending to enter the architecture program. Spring.

ARCH 11011. Graphics I: Drawing

(3-0-3) Bullene
Instruction and practice in drawing as a means of exploring and communicating formal and theoretical concepts. Aspects of freehand drawing in pencil, charcoal, and watercolor are taught with subjects from buildings, nature, and the human figure. The course is open to all students. Studio format. Strongly recommended for those entering the architecture program. Fall.

ARCH 11021. Graphics II: Drafting

(3-0-3) Hood, Sakal
Instruction and practice in the skills necessary to draw and think as an architect. The course emphasizes mechanical drawing with exercises that include descriptive geometry, perspective, and other means of representing three-dimensional architectural problems with two-dimensional techniques, including those using computers. The course is open to all students. Studio format. Required for those intending to enter the architecture program. Spring.

ARCH 12011. Graphics I: Drawing-Tutorial

(0-1-0) Bullene
Tutorial supplement to ARCH 11011

ARCH 20211. Architectural History I

(3-0-3) Stamper
This course provides a survey of architectural history from the Egyptian, Greek, and Roman civilizations to Europe during the Romanesque and Gothic periods. Also included are Islamic, pre-Columbian, and Far Eastern building traditions. Each period is studied in relation to physical determinants, such as climate, materials, technology, and geography, and historical determinants such as economics, religion, politics, society, and culture. Fall.

ARCH 20221. Architectural History II

(3-0-3)
Prerequisite(s): ARCH 20211 or ARCH 247
This course continues the history survey, beginning with Renaissance and Baroque Europe and continuing to the 18th and 19th centuries in Europe and the United States. It extends to the modern movement as it affected countries as far-reaching as Japan and Australia.

ARCH 20411. Building Technology I

(3-0-3) Lykoudis, Sakal
Exploration and application of qualitative principles and theory of building construction to the design process. Fall.

ARCH 20419. Building Methods and Materials (3-0-3)

Prerequisite(s): ARCH 20411 or ARCH 245
Introductory building technology

ARCH 20511. Principles of Structural Engineering (3-0-3)

Principles of statics. force, and moment equilibrium; area properties; stress and strain; beam and column analysis. Spring.

SCHOOL OF ARCHITECTURE

ARCH 20619. Environmental Studies

(3-0-3)

This course investigates the relationship between the built environment and the natural environment. Lectures, readings, and exercises explore the ethical and professional responsibilities of the architect relative to ongoing environmental issues. Topics include a survey of the effects of the built environment on natural systems, a survey of evolving environments studies, and design issues with the focus on in-site planning, landscape design, and passive energy measures for architecture. Fall.

ARCH 21111. Design I

(0-12-6) Economakis, Semes

This studio and lecture course introduces students to design beginning with the classical elements of architecture. It proceeds to the design of components of buildings. Fall.

ARCH 21121. Design II

(0-12-6)

Prerequisite(s): ARCH 21111 or ARCH 243

Principles of planning, design, and construction are developed in urban contexts and in complex building programs. The concentration on classical paradigms as a basis for architecture and urban design is continued. Spring.

ARCH 30211. Hellenistic and Roman Art and Architecture

(3-0-3)

See ARHI 30101

ARCH 30212. Roman Urbanism and Architecture I (Rome)

(3-0-3)

Examines the essential elements of Roman urbanism, architectural composition, and tectonic considerations over time, through extensive analysis and direct on-site experience focusing on ancient Rome.

ARCH 30219. Renaissance and Baroque History

(3-0-3)

Architectural history of the Renaissance and Baroque periods, taught through lectures and on-site studies of exemplary buildings in Rome.

ARCH 30222. Roman Urbanism and Architecture II (Rome)

(3-0-3)

The purpose of this class is to examine the essential elements of Roman urbanism, architectural composition, and tectonic considerations over time, through extensive analysis and direct on-site experience, focusing on the 19th and 20th centuries.

ARCH 30312. Architectural History III (Rome)

(2-2-3)

Structured field study and lecture presentations analyzing buildings and urban complexes in Italy from the Renaissance through the 16th century.

ARCH 30322. Architectural Theory IV (Rome)

(2-2-3)

Continuation of ARCH 30312. Structured field study and lecture presentations analyzing buildings and urban complexes in Italy from the 17th through 19th centuries.

ARCH 31012. Graphics III: Freehand Drawing

(0-6-3)

Freehand graphic communication with pencil, pen, and charcoal, drawing exteriors and interiors of architecture. Consideration of light, shade, and form. Fall.

ARCH 31019. Graphics IV Watercolor

(0-6-3)

Freehand watercolor with subjects from life drawing, still life, and on site in the city of Rome

ARCH 31022. Graphics IV: Watercolor

(3-0-3)

Freehand graphic communication with watercolor, painting still lifes, and exteriors and interiors of architecture. Spring.

ARCH 31112. Design III (Rome)

(0-12-6) Arosemena, Mazzola, Soundy

Architectural design relating to the urban environment of Rome. Fall.

ARCH 31122. Design IV (Rome)

(0-12-6)

Architectural and urban design relating to the regional implications of the context of Rome and environs. Spring.

ARCH 31129. Design IV

(0-12-3)

Architectural design studio for sixth semester

ARCH 34012. Graphics III

(3-0-3)

Freehand graphic communication with pencil, pen, and charcoal, drawing exteriors and interiors of architecture. Consideration of light, shade, and form. Fall.

ARCH 34112. Design III

(6-0-6) Arosemena, Mazzola, Soundy

Architectural design relating to the urban environment of Rome. Fall.

ARCH 34212. Roman Urbanism and Architecture I

(3-0-3) Mazzola

Examines the essential elements of Roman urbanism, architectural composition, and tectonic considerations over time, through extensive analysis and direct on-site experience focusing on ancient Rome.

ARCH 34213. Al Romano: Renaissance and Baroque Architecture in Spain 1500-1800

(12-0-3)

The aim of this course is to introduce students to the rich architectural heritage of Renaissance and Baroque Spain.

ARCH 34312. Architectural History III

(6-0-6) Rowland

Structured field study and lecture presentations analyzing buildings and urban complexes in Italy from the Renaissance through the 16th century.

ARCH 36111. Directed Readings

(3-0-3)

Directed readings on a topic serving the student's particular academic project.

ARCH 40211. Greek Architecture

(3-0-3)

Cross-listing of ARHI 40121

ARCH 40219. Greek Architecture

(3-0-3)

Open to all students. In this course, the development of Greek monumental architecture and the major problems that define it will be traced from the 8th through the 2nd centuries BC, from the late Geometric through the Archaic, Classical, and Hellenistic periods. Among themes to be treated are the relationship between landscape and religious architecture, the humanization of temple divinities, the architectural expression of religious tradition and even specific history; architectural procession and hieratic direction, emblem and narration in architectural sculpture, symbolism and allusion through architectural order, religious revival and archaism, and the breaking of the architectural and religious canon.

ARCH 40221. Survey: Greek Art/Architecture

(3-0-3)

Open to all students. This course analyzes and traces the development of Greek architecture, painting, and sculpture in the historical period from the 8th through 2nd century BC, with some consideration of prehistoric Greek forebears of the Mycenaean Age. Particular emphasis is placed upon monumental art, its historical and cultural contexts, and how it reflects changing attitudes toward the gods, human achievement, and the relationship between the divine and the human.

ARCH 40411. Environmental Systems I

(3-0-3) DeFrees

This course investigates the relationship between architecture and environmental systems. Lectures, readings, and exercises probe topics that include passive energy design, safety systems, water conservation and usage, vertical transportation, heating, ventilating, and air conditioning. Special emphasis is placed on sustainability issues, energy conservation, and public health and safety.

ARCH 40511. Structural Design

(3-0-3) DeFrees

Prerequisite(s): ARCH 20511 or ARCH 256

The application of the principles of mechanics to the stress and deformation analysis and design of reinforced concrete structural elements and framing systems. Fall.

SCHOOL OF ARCHITECTURE

ARCH 40521. Applied Structural Systems
(3-0-3)

Prerequisite(s): see online Course Catalog for details. Application of structural systems in relation to architectural concepts meeting economic and building-code requirements. Spring.

ARCH 41011. Graphics V: Computers
(3-0-3) As

Study of basic skills necessary for the analysis and representation of architectural form through the medium of the computer. Students will study drafting as well as three-dimensional modeling.

ARCH 41019. Graphics V: Computers
(3-0-3) As

Study of basic skills necessary for the analysis and representation of architectural form through the medium of the computer. Students will study drafting as well as three-dimensional modeling.

ARCH 41111. Design V

(0-12-6) Hood, Kenda, Mayernik, Sakal
Design V involves the design of buildings within urban settings, with a special emphasis on building types in relation to cultural, ethnic, and civic priorities.

ARCH 41121. Design VI
(0-12-6)

Prerequisite(s): ARCH 41111 or ARCH 443
Design VI presents students with the opportunity to select one among a number of studio options. Specific focus of studios varies from year to year and is designed to address needs and specific to each fourth-year class.

ARCH 41811. Beginning Furniture
(3-0-3) Brandt

Students gain an understanding of scale, proportion, and construction of furniture. Lectures and demonstrations expose students to the history of furniture, properties of wood, and the use of woodworking equipment. Fall.

ARCH 41821. Advanced Furniture
(3-0-3)

Prerequisite(s): ARCH 41811 or ARCH 481
Students construct furniture of original design. They learn to understand furniture's relationship to architectural context. Spring.

ARCH 41831. Introduction to Carving Classical Elements
(3-0-3)

In this introductory course, students are instructed in the fundamental uses of carving tools and the physical properties of wood. The emphasis of the course is on the design and shaping of classical architectural ornamentation.

ARCH 43211. Topics in Greek and/or Roman Art

(3-0-3) Rhodes
Topics course on special areas of Greek and/or Roman art.

ARCH 44623. Summer Program in China 2005—Chinese Architecture and Urbanism: Traditional and Modern
(V-0-V)

This program will introduce students to traditional and current architecture and urbanism in China. Its emphasis will be on traditional and current practices in building and urbanism. Its principal activities will be looking, listening, drawing, and sketching. There will be a brief design segment.

ARCH 46211. Directed Readings: Chinese Architecture and Urbanism
(3-0-3)

An investigation of traditional Chinese architecture and urbanism in preparation for a summer program in China. Participation in this course is not required for the summer program, but participation in the summer program is required for the course.

ARCH 47613. Special Studies: Architecture/Urban Design—Viseu
(0-6-3)

Special Studies in issues of architecture and urbanism in the particular instance of Viseu.

ARCH 50211. Architecture Theory I
(3-0-3) Smith

This course reviews, through lectures, discussions, analysis of assigned texts, and the writing of research papers, the intersection of the religious, civil, architectural, and urban characteristics of the built world within the Western tradition. Fall.

ARCH 50218. Teaching Concepts/History of Architecture I
(3-0-3) Stamper

Teaching assistants aid professor in grading examinations and preparing lectures for ARCH 20211. Fall.

ARCH 50221. Architectural History II
(3-0-3) Doordan

This course continues the history survey, beginning with Renaissance and Baroque Europe and continuing to the 18th and 19th centuries in Europe and the United States. It extends to the modern movement as it affected countries as far-reaching as Japan and Australia.

ARCH 50228. Teaching Concepts/History of Architecture II
(3-0-3)

Teaching assistants aid professor in grading examinations and preparing lectures for ARCH 20221. Spring.

ARCH 50318. Teaching Concepts/Reading Architectural Writings
(3-0-3)

Teaching assistants aid in seminar sessions and provide guidance in drawing for ARCH 10311. Spring.

ARCH 50411. Environmental Systems
(3-0-3) DeFrees

Study of the basic concepts that lead to the design of the mechanical, acoustical, and illumination services for the control of the architectural environment.

ARCH 50418. Teaching Concepts/Building Technology I

(3-0-3) Lykoudis, Sakal
Teaching assistants guide second-year students taking ARCH 20411 in developing technical solutions to architectural studies. They assist in evaluation of submitted work and prepare and deliver short presentations on current building techniques. Fall.

ARCH 50419. Environmental Systems
(3-0-3) DeFrees

Study of the basic concepts that lead to the design of the mechanical, acoustical, and illumination services for the control of the architectural environment.

ARCH 50428. Teaching Concepts/Building Technology II

(3-0-3)
Teaching assistants guide second-year students taking ARCH 20419 and students in ARCH 20411 in developing technical solutions to architectural studies. They assist in evaluation of submitted work and prepare and deliver short presentations on current building techniques. Spring.

ARCH 50518. Teaching Concepts/Structural Design

(3-0-3) DeFrees
Teaching assistants aid professor in grading examinations, assigning homework, and preparing lectures for ARCH 40511. Fall.

ARCH 50528. Teaching Concepts/Structural Mechanics

(3-0-3)
Teaching Assistances in structures

ARCH 50711. Professional Practice
(3-0-3)

Lecture and assignments covering professional services, marketing, economics of practice, programming, design drawing development, contracts, and project management. Spring.

ARCH 50811. History/Design: Forms, Values, and Technology
(3-0-3)

This course will provide a historical perspective on the development of industrial, product, and graphic design in the 19th and 20th centuries.

ARCH 51018. Teaching Concepts/Drawing
(3-1-3) Bullene

Assist professor in demonstrating techniques and critiquing student work for ARCH 11011. Fall.

ARCH 51028. Teaching Concepts/Graphics II
(0-6-3)

Teaching assistant in the first-year drafting course.

ARCH 51058. Teaching Concepts/Graphics V
(3-0-3) As

Teaching assistants for ARCH 41011 provide instructional support to students in the computer cluster during class and help with grading.

SCHOOL OF ARCHITECTURE

ARCH 51068. Teaching Concepts/Computers
(3-0-3)

Teaching assistant for advanced computer drawing.

ARCH 51111. Design VII

(0-12-6) Amico, Crowe, Smith, Stamper

Integrates the students' previous study of building design and construction in thematic studios.

ARCH 51619. South Bend Urban Design
(0-6-3)

Elective design studio exploring the present architectural and urbanistic realities of downtown South Bend and projecting possible future development.

ARCH 51818. Teaching Concepts/Advanced Furniture

(0-6-3)

Teaching assistant in advanced furniture design.

ARCH 51121. Design VIII Thesis
(0-12-6)

Prerequisite(s): ARCH 51111 or ARCH 543

Required of all students in architecture. Students devote the semester to the preparation and presentation of an independent architectural project. Spring.

ARCH 51139. Architectural Ornament
(3-0-3)

Analysis and design of architectural ornament

ARCH 53311. Issues in Sacred Architecture
(3-0-3)

An upper-level seminar exploring themes related to issues in sacred architecture. The course is open to architecture students and students in other disciplines.

ARCH 53211. Frank Lloyd Wright Seminar
(3-0-3)

Seminar on the sources, influences, and understandings of the architecture of Frank Lloyd Wright.

ARCH 53219. Chicago Architecture Seminar
(3-0-3)

A seminar on the history and influence of architecture in Chicago, from the Great Fire to the present.

ARCH 54113. Summer Program at the Tuscan Classical Academy

(3-0-3) Deupi

This program focuses on three themes: (1) The History and Theory of Florentine Humanism; (2) Tuscan Classical Architecture and its Regional Variants; and (3) Drawing and Painting. The History and Theory component consists of a series of lectures on Renaissance Humanism and site visits to important cities and buildings throughout Tuscany. These will center primarily on Florence and the Mugello Valley. The study of Tuscan Classical Architecture and its Regional Variants examines the rediscovery of classical architecture in quattrocento Florence and its creative interpretations throughout Tuscany. The Drawing and Painting component introduces students to the basics of landscape drawing and painting based on observations from nature.

ARCH 57011. Advanced Studies in Computers
(3-0-3)

In ARCH 57011, students pursue specific interests in computer applications to architecture. Spring.

ARCH 57121. Directed Studies

(0-6-3) Amico

Special studies in high-rise building design.

ARCH 57141. Competitions and Independent Studio

(3-0-3)

Students have the option of selecting either a national or international design competition or a design project of special interest to them. Spring.

ARCH 57319. Topics in Design Studies
(0-0-3)

Special studies in design issues.

ARCH 57811. Special Projects: Model Making
(4-0-4)

Prerequisite(s): (ARCH 41821 or ARCH 482 or ARCH 484)

The study and making of large-scale models of 20th-century classical and traditional emblematic buildings such as the Empire State Building and Penn Station for exhibition at a conference titled "The Other Modern."

ARCH 57821. Special Studies in Furniture Design II

(3-0-3)

Continuation of Architecture 57811. Spring.

Student Awards and Prizes

Henry Adams Medal and Certificate. This American Institute of Architecture (AIA) award honors the graduating architecture student who has the highest grade-point average for the complete course of study.

Henry Adams Certificate. This AIA award is given to the graduating architecture student with the second-highest grade-point average for the complete course of study.

Tau Sigma Delta Bronze Medal Winner. Selected by his or her peers, the Tau Sigma Delta medal is awarded to a graduating student recognized for design excellence and exceptional character.

Andrew F. Kervick Award for Design and Drawing. Founded by Prof. Francis W. Kervick, former head of the School of Architecture in memory of his father, this award, selected by the fourth and fifth-year faculty, honors the student whose work in freehand drawing in the fourth or fifth year has been of the highest merit.

Alpha Rho Chi. Selected by faculty, the Alpha Rho Chi Medal goes to the graduating student who has shown ability for leadership and has performed willing service for the School.

Chelminiak Architecture Award. Selected by faculty, the Chelminiak Award is given for excellence in master planning, teamwork and building design.

Rambush Prize in Religious Architecture. Selected by the fifth-year thesis jury and faculty, the Rambush Prize is given for the best solution to a problem related to a religious architecture project.

Ralph Thomas Sollitt Award. Founded in 1931 by Ralph Sollitt and Sons Construction Co., this award, selected by the fifth-year thesis jury, is given to the student who submits the best design as a solution to the thesis architecture problem.

Ferguson and Shamamian Undergraduate Prize. Selected by the fifth-year thesis jury, the Ferguson & Shamamian Architects Undergraduate Prize is awarded to a fifth-year student for excellence in classical design exhibited in thesis.

The Association of Licensed Architects Student Merit Award. Selected by the fifth-year faculty, the ALA Student Merit Award goes to a graduating student recognized for exemplary achievements throughout the scholastic year.

Dean's Award for Design Excellence in Architecture. Selected by the fifth-year thesis jurors and the dean, this award goes to overall excellence in a fifth-year thesis project.

The Noel Blank Design Awards. Founded by Leon W. Blank in memory of his brother, Noel, this high honor goes to the top four thesis projects as selected by the fifth-year thesis jurors.

Gertrude S. Sollitt Prize for Architectural Structure. Founded in 1931 by Ralph Sollitt and Sons Construction Co., this award, selected by the School's faculty, goes to the student who submits the best work as a solution to a special problem in structure assigned in the scholastic year.

The St. Joseph Award in Furniture. Selected by the furniture design professor for excellence in furniture design and construction.

Nellie Wynn Kervick Award for Design and Drawing. Founded by Prof. Francis W. Kervick, former head of the School of Architecture in memory of his mother, this award, selected by the Rome Studies faculty, honors the student whose work in freehand drawing in the third year of study has been of the highest merit.

Alice Wesoloski Scholarship. For her decades of service to the School of Architecture, this award was established in honor of Ms. Wesoloski. Selected by the faculty and the office of financial aid to provide tuition assistance to a student of particular ability, character and need.

James E. Childs and Associates Scholarship. Selected by the faculty and the office of financial aid to provide tuition assistance to minority students of particular ability and need.

SCHOOL OF ARCHITECTURE

David M. Schwarz/Architectural Services, Inc. Internship and Traveling Fellowship Award. A two-month paid internship for a fourth-year student with David M. Schwarz/ Architectural Services, Inc. and a one-month travel fellowship involving independent research and study.

Ray Stuermer Memorial Award for Excellence in Design. Given in memory of former Professor Ray Stuermer, this award, selected by faculty, is given on the basis of design work through the fourth year for overall improvement and design excellence.

Frank Montana Rome Scholarship Award Winners. Selected by the dean, second-year design faculty and the office of financial aid, the Montana Rome Scholarships are for tuition assistance in connection with the Notre Dame Rome Studies Program.

Student Organizations

AIAS, Student Chapter of the American Institute of Architects. Students begin to engage in the professional activities of the national AIAS by attending meetings and conventions and structuring activities within the School of Architecture. The AIAS sponsors educational, professional and social events in the school.

Tau Sigma Delta. In 1961 the Sigma Chapter of Tau Sigma Delta, the national architectural honor society, was established at Notre Dame. The constitution of Tau Sigma Delta stresses as its sole function the encouragement of high scholastic standing. Election to membership is limited to the top 20 percent of the students in the School of Architecture who have completed 60 percent of their requirements for the professional degree.

Advisory Council

JOHN H. BURGEE

Montecito, California

RICHARD H. DRIEHAUS

Chicago, Illinois

HOLLY L. MIZELLE JOHNSON

Atlanta, Georgia

MARTIN G. KNOTT

Owings Mills, Maryland

SEAN P. NOHELTY

Washington, DC

JAMES A. NOLEN III

King of Prussia, Pennsylvania

TIMOTHY I. PANZICA

Cleveland, Ohio

FRANCIS ROONEY III

Tulsa, Oklahoma

JAMES R. RYAN

Minneapolis, Minnesota

MARIA SANCHEZ

Guatemala, Ciudad

CHARLES J. TOENISKOETTER

San Jose, California

JOHN TORTI

Washington, DC

MATTHEW M. WALSH

Chicago, Illinois