

Undergraduate Programs in

ARCHITECTURE

School of Architecture



College of Arts + Architecture
UNC CHARLOTTE

Director of the School of Architecture: Professor Chris Jarrett

Associate Director: Associate Professor Kelly Carlson-Reddig



The School of Architecture (SoA) is devoted to the energetic study of architecture and its influence on our everyday lives. Faculty and students are committed to a stimulating, open-minded and creative discourse, exploring design thinking and new forms of building, discovering collaborative practices that nurture human potential, and pursuing transformative research. We engage in creative interdisciplinary work, alliances with the profession and industry, and active community participation. Our graduates understand how to integrate their voices with others to influence the art and science of architecture.

The creation of architecture is inherently complex, requiring design vision and competence, effective visual communication and literacy, technological knowledge, environmental responsibility, sophisticated problem solving skills, creative leadership, and cultural, historical and theoretical perspective. Architects must possess knowledge of science and liberal arts, ethics, critical thinking, and research methods. Architects understand the value of building an intellectual foundation that embraces the widest possible range of knowledge and ideas. The School of Architecture seeks to provide both a liberal and a professional education based on a holistic view of the built environment that prepares undergraduate students to become future community and architectural leaders.

The mission of the School of Architecture is to provide intellectual, ethical and innovative leadership in architecture and urban design. We aim to further the discourse between the theory and practice of architecture through the education and training of students, the work and research of the faculty, and ongoing engagement with the University, the profession, and the community. We invite you to join us in this quest to question, apply knowledge, speculate, and engage in the discourse of how architecture shapes our lives!



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PROGRAMS

UNDERGRADUATE: The School of Architecture offers pre-professional and professional accredited **undergraduate** degrees in architecture.

Bachelor of Arts in Architecture (B.A. in Arch.)

4-Year pre-professional (128 cr. hr.)

Bachelor of Architecture (B.Arch.)

NAAB accredited professional degree (30 cr. hr.)

B.A. in Arch. (prereq) 128 cr. hr. + B.Arch. 30 cr. hr. (158 cr. hr.)

Minors are available for undergraduate architecture students in areas such as Urban Studies, Economics, Dance, Music, Foreign Language, Environmental Sciences, and more.

GRADUATE: The School of Architecture offers professional, accredited **graduate** degrees in architecture and post-professional degrees in Architecture and Urban Design, including several dual-degree programs.

Master of Architecture (M.Arch.)

2-Year NAAB accredited professional degree (60 cr. hr.)

Master of Urban Design (M.U.D.)

1-Year (36 cr. hr.)

Dual Degree (M.Arch.) + (M.U.D.)

3-Year NAAB accredited professional degree (84 cr. hr.)

Dual Degree (M.Arch.) + (M.S. Computer Science)

2-Year Post-Professional, Non-Accredited degree (47 cr. hr.)

Other graduate dual degrees are available for M.Arch. and M.U.D. students in fields such as Business, Geography / Real Estate Development, Computer Science and Information Technology. Individualized Dual Degrees can also be approved.

The 4-Year Bachelor of Arts in Architecture is a pre-professional foundation degree (128 cr. hours) that serves two primary academic tracks toward professional accredited degrees:

“4+1” (128+30 cr. hr.): B Arts + 1-Year Bachelor of Architecture (NAAB accredited professional degree)

“4+2” (128+60 cr. hr.): B Arts + 2-Year Master of Architecture (NAAB accredited professional degree)

Students who do not intend to pursue an accredited professional architecture degree may elect a modified undergraduate curriculum that allows greater academic flexibility.

ACCREDITATION & LICENSURE

The School of Architecture maintains accredited status through the National Architectural Accrediting Board (NAAB), which reviews curriculum, facilities, faculty, and program resources. The NAAB conducts an intensive site visit every six years. The Bachelor of Architecture (4+1) and Master of Architecture (4+2) are fully accredited by the National Architectural Accrediting Board (NAAB).

Professional licensure for architects requires the following:

1) **Education:** Completion of an **accredited professional degree** in Architecture, 2) **Practice:** Completion of the NCARB **Intern Development Program (IDP)**, and 3) **Exam:** Completion of the **NCARB Architect Registration Exam (ARE)**.

STUDENT ORGANIZATIONS & EVENTS

UNC Charlotte architecture students actively participate in a range of student organizations within the SoA.

AIAS: American Institute of Architecture Students has 140 chapters nationally, and works with the local AIA and the SoA to provide seminars and social events. Two UNC Charlotte students have been elected to national office, and our chapter was named National Chapter of the Year in 2009.

NOMAS: National Organization of Minority Architecture Students is dedicated to addressing issues of concern to underrepresented groups and provides a forum for action and networking.

Freedom by Design: FBD is an AIAS community service program that puts the design and construction talents of SoA students to work in the community, addressing issues of accessibility and quality-of-life for local residents in need.

MASS: Master of Architecture Student Society supports both academic and social events, including the annual CriticalMASS—a graduate thesis symposium for architecture graduate students from throughout the region.

Art and Architecture Honors: This interdisciplinary Honors program provides enriched academic and extracurricular experiences for academically excelling and motivated undergraduate students in the School of Architecture.

TΣΔ: Tau Sigma Delta is the national Architecture Honor Society that recognizes students with exemplary academic performance in architectural education.

SoA Career EXPO: The SoA annually hosts an Architecture Career EXPO, providing a venue for interviews with local and regional professional firms for summer internships and full-time employment.



RESEARCH CENTERS

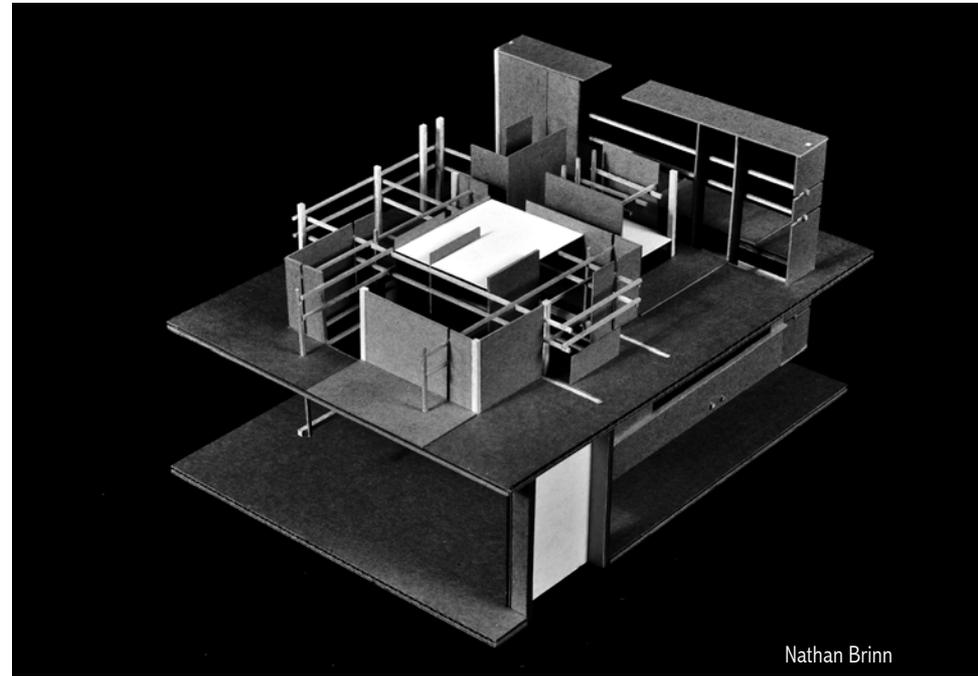
Students may participate in specialized coursework and research revolving around three themes in the School of Architecture:

Computation (d-Arts): The Digital Arts Center focuses on digital methods in architecture, examining new technologies related to Fabrication, Interactive Architecture, and Visualization, which increasingly influence architectural design and practice. Through the Center, students network with institutions globally, developing analytic and visualization capacity and collaborating with the profession at a national level.

Urbanism (CBL): The City Building Lab is an interdisciplinary center engaged in public outreach and research related to community development and empowerment through a wide range of advocacy-based practices and strategic partnerships. This center is located in the uptown Center City Building of UNC Charlotte. Courses and research in urbanism focus on the critical role of architecture in the city -- the processes and specific intents of physical interventions in urban landscapes and infrastructures. Through the design of groups of buildings as well as larger scale urban areas, issues of policy, politics, finance, planning, place, and culture are introduced as part of the essential conception and history of the city fabric.

Technology (CIBDR): The Center for Integrated Building Design Research is composed of the Laboratory for Innovative Housing, the Daylighting + Energy Performance Laboratory, and the Environmental Systems Testing Laboratory. The labs focus on architectural technologies and building performance issues, particularly related to sustainability, energy use, lighting technology, and material systems development. Courses and research in this area focus on emerging issues of sustainable design and the development of innovative building envelopes

and systems that utilize both new and traditional materials, technology, and construction methods. Students can engage projects that explore the historical and contemporary realms of thermal, tactile and visual issues of technology, materiality, daylighting, and passive and active systems with consideration of both qualitative and quantitative outcomes.



Nathan Brinn

RESOURCES AND FACILITIES

Students in the School of Architecture pursue creative design studies supported by excellent resources, laboratories, and a wide range of inspiring educational events.

LABS

Woodworking and Metals Lab

Full complement of tools, machinery, and equipment

Digital Fabrication Lab

CNC laser, prototyping, router, plasma cutting equipment, 3-D digital scanning and Robotic Arm

Daylighting Lab

Artificial sky, heliodon, performance and analysis monitors and simulation software

Computer Labs and Print Shop

Dual-platform computers, advanced software, plotting, scanning & printing

Architecture Resource Center

Architecture books, references, periodicals, & drawing archive

EVENTS

Public Lecture Series

Leading contemporary architects and world-class scholars

Exhibition Series

National and international exhibits in Storrs Gallery

CriticalMASS

Graduate thesis symposium with world-renowned guest architecture critics and visiting architecture graduate students from major regional universities

Beaux Arts Ball

Annual architecturally-themed social event

EDUCATION ABROAD PROGRAMS

The School conducts international field-study summer programs in a range of countries including, but not limited to, Italy, Spain, Portugal, Switzerland, Finland, Eastern Europe, China, India, & Brazil.

In addition, exchange arrangements exist through the Office for International Programs for students to study architecture for one or two semesters at various institutions, such as University of Copenhagen (Denmark); Kingston University (London, England); Lund Institute of Technology (Lund, Sweden); University of Technology (Delft, Netherlands); Tongji University (Shanghai, China), The University of Applied Science (Aachen, Germany); Royal Danish Academy of Fine Arts (Copenhagen, Denmark) and the Henry van de Velde Institute (Antwerp, Belgium).



ACADEMICS AND CURRICULUM

The heart of the architecture curriculum is the Design Studio sequence, which is integrated with courses in skills, history and theory, technology, computation, writing, and professional practice. Students also individually select electives in a wide range of subjects.

Architectural Design Studios and Seminars

Studios and seminars provide both analytical and synthetic educational experiences and the opportunity to pursue intensive study of the built environment. These studios and courses link humanistic and physical phenomena with social-psychological, behavioral, perceptual and aesthetic studies.

Building Technology

Building Technology courses frame quantitative and qualitative investigation of sustainable principles, building materials, structural theory and design, environmental design issues, and building systems integration.

Architectural History and Theory

History and Theory courses contextualize the relationships between culture, architecture and urban environments, and design practice from ancient to contemporary times.

Computation and Digital Methods

Computational methods are integrated in studio coursework throughout the curriculum, and in-depth required courses prepare students for the crucial roles of computational design, analysis, information management, and fabrication in both research and practice.

Architectural Electives

Electives provide opportunities for topical study of subjects including sustainability / environment, critical practice, technology / performance, urbanism, representation, computation, community practice, design/build, watercolor, furniture making, interdisciplinary subjects, real estate development and more.



BACHELOR OF ARTS IN ARCHITECTURE CURRICULUM (4 YEARS)

Enrollment in any architecture program at UNC Charlotte requires a separate application to the School of Architecture.

Below is the curriculum for the pre-professional 4-Year (128 cr. hr.) Bachelor of Arts in Architecture (B.A. in Arch.) degree for the School of Architecture at UNC Charlotte. This degree is a foundation for subsequent undergraduate or graduate accredited professional degrees.

Following the Bachelor of Arts in Architecture degree, students can be admitted for one additional year to complete the Bachelor of Architecture (30 credit hour, NAAB accredited professional undergraduate degree) or for two additional years to complete the Master of Architecture (60 credit hour, NAAB accredited professional graduate degree). See Bachelor of Architecture (4+1) and Master of Architecture (4+2) Curriculum for further details.

Students who do not intend to pursue a NAAB professional accredited architecture degree have the option to modify the curriculum below by substituting alternative courses for only those courses that are marked with an asterisk (*).

First Year	Fall Semester	16 Hrs.
ARCH 1101	Architecture Design Studio	5
ARCH 1601	Recording Observations	2
MATH 1103	Pre-Calculus Math	3
UWRT 1101	English Composition	3
VARIES	Natural Science	3

First Year	Spring Semester	16 Hrs.
ARCH 1102	Architecture Design Studio	5
ARCH 1602	Components of Form	2
VARIES	MATH / STAT Options or PHIL 2105	3
UWRT 1102	Writing in the Academic Community	3
LBST 2213	Ethical Issues (Environmental Focus)	3

Second Year	Fall Semester	18 Hrs.
ARCH 2101	Architecture Design Studio	5
ARCH 4201	Architectural History I	3
ARCH 4302	Environmental Systems Principles	3
PHYS 1101	Introductory Physics with Lab	4
LBST 2101	Western Tradition	3

Second Year	Spring Semester	17 Hrs.
ARCH 2102	Architecture Design Studio	5
ARCH 4202	Architectural History II	3
ARCH 4301	Material and Assembly Principles	3
VARIES	Social Science	3
LBST 1101-1105	Liberal Studies: Arts & Society	3

Third Year	Fall Semester	17 Hrs.
ARCH 3101	Architecture Design Studio	5
ARCH 4604	Computational Methods	3
ARCH 4303	Structural Principles	3
VARIES	General Elective	3
LBST 2102	Global Understanding	3

Third Year	Spring Semester	14 Hrs.
ARCH 3102	Architecture Design Studio	5
ARCH 3601	Writing Architecture	3
ARCH 4304*	Structural Systems	3
ARCH 4050	Architectural Elective	3

Fourth Year	Fall Semester	15 Hrs.
ARCH 4101*	Topical Design Studio	5
ARCH 4203	Architectural History III	3
ARCH 4605*	Computational Practice	3
VARIES	Foreign Language 1201 (or higher)	4

Fourth Year	Spring Semester	15 Hrs.
ARCH 4102*	Topical Design Studio	5
ARCH 4204	Architectural History Topic	3
ARCH 4050*	Architectural Elective	3
VARIES	Foreign Language (1202 (or higher)	4

**BACHELOR OF ARCHITECTURE CURRICULUM
(4+1 YEARS)**

The curriculum for the professional 1-Year Bachelor of Architecture (B. Arch) degree (30 cr. hr.) follows the prerequisite 4-Year Bachelor of Arts in Architecture (B.A. in Arch.) degree (128 cr. hr.), pp18-19. The B. Arch degree is a NAAB accredited professional degree. Students who earn the 4-Year B.A. in Arch. at UNC Charlotte or another NAAB accredited program with equivalent requirements are eligible to apply.

This program is taught in the UNC Charlotte Center City Building in downtown Charlotte, fostering student involvement with the professional architecture community in coursework, reviews, and events.

***See Precursor B.A. in Arch. Curriculum on pp 18–19**

Fifth Year	Fall Semester	15 Hrs.
ARCH 4103	Architecture Design Studio	6
ARCH 4205	Architectural History Topic	3
ARCH 4305	Building Systems Integration	3
ARCH 4050	Architectural Elective	3

Fifth Year	Spring Semester	15 Hrs.
ARCH 4104	Architecture Design Studio	6
ARCH 4206	Professional Practice	3
ARCH 4050	Architectural Elective	3
ARCH 4050	Architectural Elective	3

**MASTER OF ARCHITECTURE CURRICULUM
(4+2 YEARS)**

The professional 2-Year Master of Architecture (M. Arch) degree (60 cr. hr.) follows the prerequisite 4-Year Bachelor of Arts in Architecture (B.A. in Arch) degree (128 cr. hr.), pp18-19. The M. Arch degree is a NAAB accredited professional degree. Students who earn the 4-Year B. Arts in Architecture at UNC Charlotte or another NAAB accredited program with equivalent requirements are eligible to apply. See application instructions on the SoA website for details.

***See Precursor B.A. in Arch. Curriculum on pp 18–19**

First Year	Fall Semester	15 Hrs.
ARCH 7101	Comprehensive Design Studio	6
ARCH 5204	Architectural History Topic	3
ARCH 6307	Architectural Technology Topic	3
ARCH 6050	Architectural Elective	3

First Year	Spring Semester	15 Hrs.
ARCH 7102	Topical Design Studio	6
ARCH 7201	Design Methodologies	3
ARCH 6307	Architectural Technology Topic	3
ARCH 5605	Computational Practice	3

Second Year	Fall Semester	15 Hrs.
ARCH 7103	Topical Design Studio	6
ARCH 7202	Project/Thesis Document Prep	3
ARCH 5305	Building Systems Integration	3
ARCH 6050	Architectural Elective	3

Second Year	Spring Semester	15 Hrs.
ARCH 7104	Final Project/Thesis Studio	6
ARCH 5206	Professional Practice	3
ARCH 6050	Architectural Elective	3
ARCH 6050	Architectural Elective	3

MASTER OF URBAN DESIGN CURRICULUM (1 YEAR)

Urban Design addresses cities, communities, and the complex urban forces that shape them over time and space. The Master of Urban Design (M.U.D.) degree (36/39 cr. hr.) is an applied research degree at UNC Charlotte. The program is structured to prepare beginning and mid-career design and planning professionals to engage complex issues faced by contemporary American towns and cities. Full time students can complete the degree in 3 terms of coursework (12 cr. hr. / term) — one academic year.

This degree is not accredited for architecture licensure but can be pursued with accredited B.Arch. or M.Arch. programs as a Dual Degree.

First Year	Fall Semester	12 Hrs.
MUDD 6101	Urban Design Studio I	6
MUDD 5601	Community Planning Workshop	3
MUDD 6205	History of the 19th-& 20th-Century City	3
First Year	Spring Semester	12 Hrs.
MUDD 6102	Urban Design Studio II	6
MUDD 6050	Urban Design Topic / Elective	3
MUDD 6204	Urban GIS Topics	3
First Year	Summer Semester (Session I)	6 Hrs.
MUDD 7101	Urban Design Studio III: Part 1	3
MUDD 6050	Urban Design Topic / Elective	3
First Year	Summer Semester (Session I)	6 Hrs.
MUDD 7101	Urban Design Studio III: Part 2	3
MUDD 5602	Planning Law	3



DUAL & INTERNATIONAL DEGREES

Dual Degrees: As an Interdisciplinary field, advanced Architecture studies naturally partner with other fields of study in Dual Degree programs. Several Dual Degrees are offered routinely, and others can be defined based on student interest.

International Degrees: With the rise in global practice opportunities, the SoA has partnered with International Tongji University in Shanghai, China to exchange graduate students who will earn degrees at both their home institution and the international partner institution. For architecture graduate students in the SoA, this creates an opportunity to earn a M.Arch. in the US and a second M.Arch. in China.

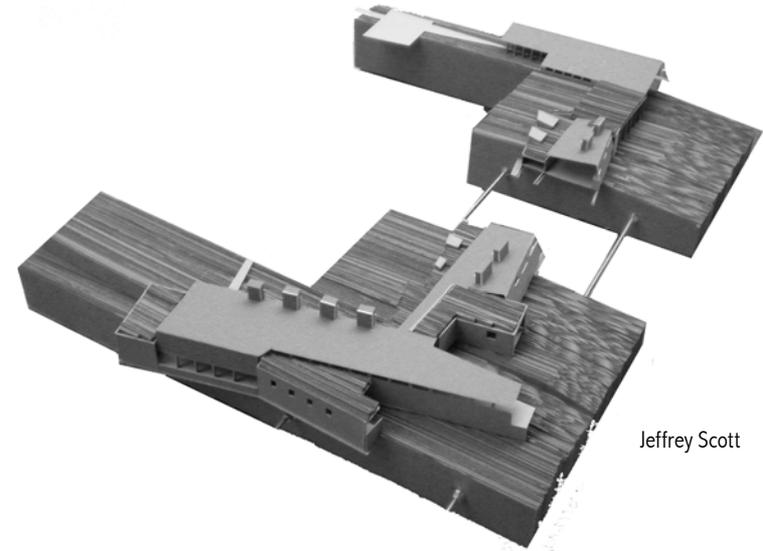
Dual Degree Opportunities:

Master of Architecture +

- M.Arch. + Master of Urban Design
- M.Arch. + Master of Science in Computer Science
- M.Arch. + Master of Science in Information Technology
- M.Arch. + Master of Business Administration
- M.Arch. + Master of Science in Real Estate Development
- M.Arch. (US) + M.Arch. (China)
- Others can be proposed

Master of Urban Design +

- M.U.D. + Master of Science in Geography (Community Planning)
- M.U.D. + Master of Business Administration
- M.U.D. + Master of Science in Real Estate Development
- Others can be proposed



Jeffrey Scott

BACHELOR OF ARTS IN ARCHITECTURE

UNC Charlotte Application

All applicants for the architecture program must first apply to Undergraduate Admissions at UNC Charlotte. Applicants should designate “Architecture” as their intended major, and submit all required materials by posted deadlines.

School of Architecture Application

Admission to the School of Architecture also requires online submission of an additional SoA Application. After submitting the UNC Charlotte application fee, applicant’s will receive email notification from the SoA with a username and password to access the online SoA Application. Students currently enrolled at UNC Charlotte can request access to the application through the SoA website. The SoA Application includes a vitae, two short essays and five samples of creative work.

Early applicants are given priority in the SoA admission process. Submission deadlines are posted on the SoA website.

Open House / Interview

Based on review of academics and SoA Application, an applicant may be granted an interview during one of our SoA Open House / Interview events, which also includes an SoA Information Session, a Tour of the Storrs building and facilities, and small group discussions with students representing different studio levels and student organizations.

Applicants will have a thirty-minute individual Interview with a faculty member and SoA student. Applicants should bring a thoughtfully selected collection of their original, creative work for discussion. Examples of creative work might include traditional forms of art (such as freehand drawing, graphic design, painting, photography, and sculpture) or other forms of creative expression (such as carpentry, craft, ceramics, dance, film-making, model-making, music, poetry, and set/costume



design). Applicants should be prepared to discuss their creative process.

Final decisions regarding admission to the SoA are made on or before April 1st. The SoA admission decision does not affect the general admission status to University. Many applicants who are initially denied admission to the SoA choose to enroll at UNC Charlotte and reapply to the SoA the following year.

FREQUENTLY ASKED QUESTIONS

Qualifications for High School Applicants

The average weighted GPA of the admitted class is approximately 3.8-3.9 with a class rank in the top 20% and a SAT total score of 1800 or higher (3 section composite score). High school applicants must meet the university's minimum high school course requirements, and a fourth unit of advanced math beyond Algebra 1, 2 and Geometry.

Qualifications for Transfer Students

A typical transfer applicant also shows high high school and college GPAs and excellent quality work. A transfer applicant must meet the university's minimum admission requirements for qualifying transferable coursework, and be eligible to return to the last institution attended.

Applicants Who Are Not Admitted to the SoA

Applicants who are not selected for an interview, or are not selected for admission to the SoA after the interview, are still admitted to the university. Students may choose to enroll at UNC Charlotte in another major or an undeclared major and reapply for admission to the SoA the following year. A consultation with the Associate Director of the SoA is recommended prior to submitting a second application.

Entering the Program

The School of Architecture enrolls new students for the fall semester only. Transfer students with coursework from other architecture programs may be eligible to begin some coursework in the spring semester by approval.

Architecture Courses in the First Year

Architecture students admitted to the SoA begin architecture courses in the first semester. The curriculum includes

architecture design studios every semester, interspersed with courses in skills, architectural technology, architectural history, critical thinking, computation, and professional practice.

Preparation in High School

Exposure to the creative arts is highly recommended — drawing, painting, photography, design, and other making processes that will help you improve your creative skills and insight. Creative work in the arts, making, and design are usually strong indicators of a student's potential for success in architecture. If you are not able to pursue formal art classes in high school, community college, or a university, consider drawing or painting on your own, and try to have someone qualified in the art field look at your work to give you feedback to help you develop and improve your artistic skills.

College and University Courses

Students taking university courses prior to enrolling in the SoA can begin to meet UNC Charlotte general education requirements (English, Math, Sciences, Liberal Studies) as well as specific architecture program requirements (Foreign Language, Physics, Pre-Calculus). Creative courses that assist in building your portfolio are also recommended as suggested above.

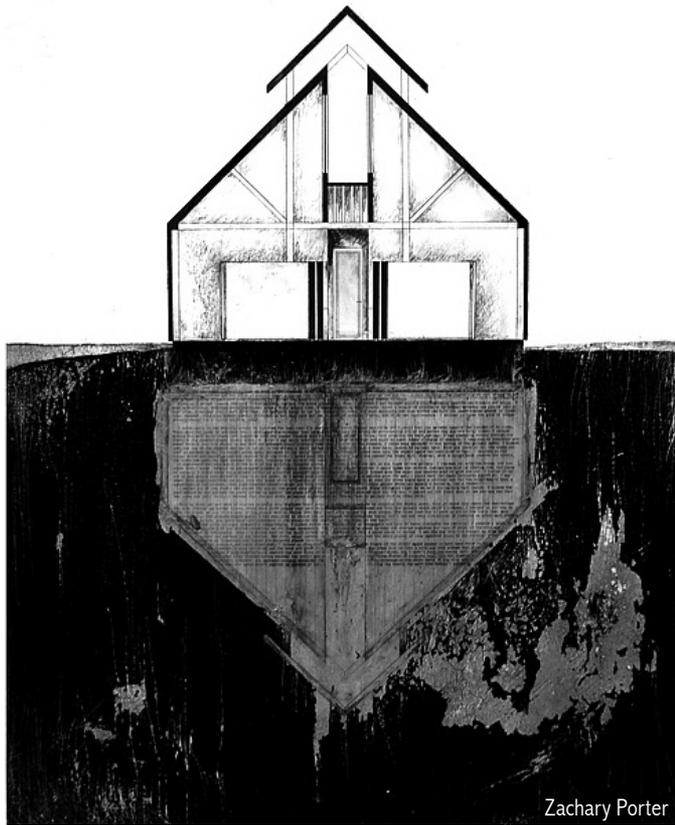
Portfolio

Applicants for the undergraduate program will submit samples of original creative work through the SoA Online Application. If selected for an Interview, Applicants will bring original creative works for presentation in their Admission Interview.

We wish you the best in your endeavors and we hope to see you at the School of Architecture.

Chris Jarrett, Director

Kelly Carlson-Reddig, Associate Director





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www.soa.uncc.edu