

JOIN US!



Image Credits (page numbers in parentheses)

Photography: Don Wheeler (1-2), Michelle Finch (5, 13), Phil Shockley for OSU (8, 10, 20-22), Nathan Richardson (12), Melissa Lukenbaugh for OSU (14-17), Andrew Mitchell (18-19, 24), Sarahi Barrios (21)

Student Projects: Victoria Richter (20), Nick Costin (21), Jacey Watson (22)

Oklahoma State University, in compliance with Title VI and VII of the civil Rights Act of 1964, Executive Order 11246 as amended, Title IX of the Education Amendments of 1972, Americans with Disabilities Act of 1990, and other federal laws and regulations, does not discriminate on the basis of race, color, national origin, sex, age, religion, disability, or status as a veteran in any of its policies, practices or procedures. This includes but is not limited to admissions, employment, financial aid, and educational services. Title IX of the Education Amendments and Oklahoma State University policy prohibit discrimination in the provision of services or benefits offered by the University based on gender. Any person (student, faculty or staff) who believes that discriminatory practices have been engaged in based upon gender may discuss their concerns and file informal or formal complaints of possible violations of Title IX with the OSU Title IX Coordinator, Justin Lacy, J.D., Senior Director of Human Resources Consulting Services & Equal Opportunity/ Title IX Coordinator/ADA.

Booklet designed and published by Keith Peiffer and Nathan Richardson at the Oklahoma State University School of Architecture.

Printed on Mohawk Loop Inxwell 100% Recycled 80T with a Super Smooth Finish. Bound at the Oklahoma State University School of Architecture.

Original content authors retain copyright of their creative work.

©2021 The Oklahoma State University
School of Architecture (v04.20.21)



School of Architecture

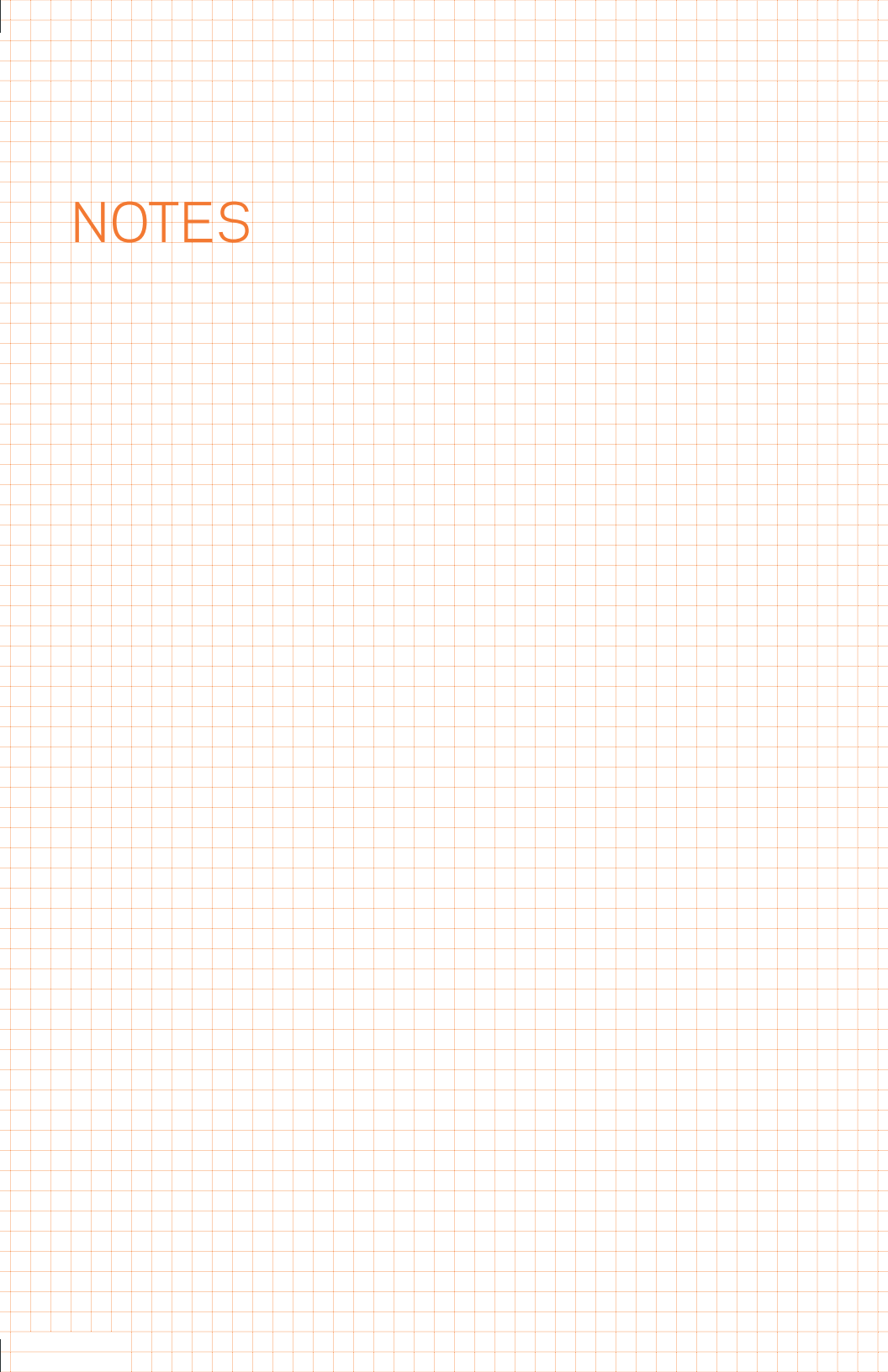
SCHOOL OF ARCHITECTURE OKLAHOMA STATE UNIVERSITY



PROGRAM GUIDE



NOTES



Is a career in architecture or architectural engineering right for me?

If you enjoy an intellectual challenge, being creative and practical at the same time, and are interested in a field which will remain stimulating and challenging for a lifetime - then you may have the interest and abilities to be successful as an architect or architectural engineer!



How can I schedule a tour?

To schedule a tour, check out www.go.okstate.edu/admissions or call CEAT Student Services at 405-744-5276. You can plan an "OSU Experience" day built around your specific interests!

▲ Second-year student work

WELCOME

Hello!

We appreciate your interest in the OSU School of Architecture. We exist to empower students to make creative contributions in the cause of architecture; we accomplish this by cultivating a learning community that is rigorous and fun, personal and collaborative. Students within our program enjoy a state of the art facility, a dedicated and talented faculty, and a culture of peer learning that helps each student grow as an individual as well as a future design professional.

Whether you are an incoming student or potential partner, this booklet is designed to give you further insight into what we are doing and how you might collaborate with us. In addition to finding the resources below, please feel free to contact us directly if you have any further questions or ideas.

We look forward to seeing you in Stillwater soon,

Suzanne Bilbeisi, AIA

Centennial Professor of Architecture and
Head of the School of Architecture

Email: suzanne.bilbeisi@okstate.edu

Website: <https://arch-ceat.okstate.edu>

Facebook: Oklahoma State University School of Architecture

Instagram: @OkStateArch

Twitter: @OkStateArch

◀ Design studio

FAQs

What if I can't decide whether to major in architecture or architectural engineering?

This is generally not an issue in the first year of our program, as the requirements are largely the same. Beyond the first year, you should plan to discuss the decision with an advisor at our school, to ensure you take the proper courses at the right time.



▼ Fourth-year student work



What does 'Professional School' mean? What is the admissions policy for Professional School?

Generally speaking, "Professional School" refers to the advanced levels of our curriculum (years three to five), while the first two years are considered "Pre-Professional." The school accepts all qualified students who meet the GPA requirement during their first two years of study into Professional School.

The vision of the School of Architecture is to empower students to make creative contributions in the cause of architecture.

The mission of the School of Architecture is to cultivate a collaborative learning community focused upon critical thinking and ethical responsibility. We embrace established fundamentals and encourage the exploration of emerging innovations in design and technology.

Are there scholarship opportunities for students in the School of Architecture?

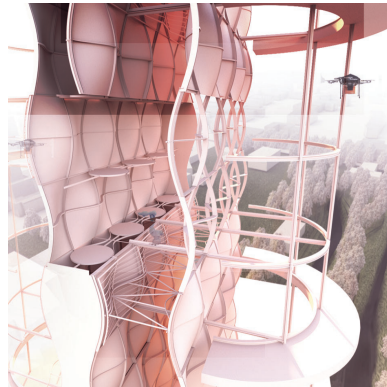
Yes! The university and college offer scholarships recognizing academic talent for freshmen and sophomores. Additionally, the School of Architecture has a large endowment that funds a multitude of annual scholarships for high achieving students in the Professional School.



What high school courses will best prepare me for studying architecture or architectural engineering?

We find that a solid college preparatory high school program is quite necessary. More specifically, coursework in math, pre-calculus, science, physics, art, and drawing are especially useful.

► Third-year student work



What if I am not very good at drawing right now?

Very few students begin with a lot of experience in art and drawing. While it is helpful, our educational programs are designed to improve your technical and artistic abilities, no matter where you begin.



Should I purchase a computer before enrolling?

The College mandates that all students arrive with a laptop computer. OSU students can download basic software at no cost, but design studio requires the purchase of specialized software. As you progress in the program, our school provides minimum specifications for hardware and software.

OVERVIEW



The School of Architecture enjoys the full benefits of its unique combination of programs in Architecture and Architectural Engineering. Students entering the School of Architecture will experience shared goals, values, and coursework between the programs. There are eighteen full-time professors on the teaching faculty, and every student will work with every faculty member in at least two classes over their student career.

Architecture students receive instruction in design studios, architecture history and theory courses, project management and business practices classes, and more

technical courses involving structural and environmental control systems. This well-rounded approach provides Architecture graduates with a special understanding of the architectural design process and the profession of architecture. Students pursuing a degree in Architectural Engineering undertake more architectural design studios here, in addition to advanced technical coursework, than in any other AE program nationwide. Graduates of both degree programs enter the profession with a full appreciation of the complexities and cooperation required in the creation of architecture.

▲ Discussion in fourth-year design studio

CONTEXT

Studio Culture

Students at OSU learn through an immersive studio culture. Within open studios, students and faculty engage in a collective learning experience and an open academic forum. We share our diverse knowledge, ongoing research, and creative investigations with one another in studio and other academic venues.

A strong, but respectful, competitive spirit helps OSU School of Architecture students achieve a high level of success in school and beyond. We celebrate faculty and student collaboration in which each is encouraged to share their own ideas and methodologies. Within this supportive environment, objective and subjective criticism is necessary, constructive, and healthy.



▲ Travel Study program in Rome

The School of Architecture is located on the main campus of Oklahoma State University in Stillwater, Oklahoma. Stillwater has approximately 45,000 residents. The campus enrollment is typically 25,000 students. The active atmosphere of a major university in a small town setting is attractive to many people. There is never a shortage of new people to meet but

you can also count on seeing many friends along the way. We like to travel and hope you do too. Tulsa and Oklahoma City offer wonderful cultural amenities and are both an hour's drive away. We frequently travel within the region, country, and abroad for personal and academic excursions. Stillwater is a great place to start your journey in exploring the world.

CULTURE



▲ Aerial view of campus



Travel Study

We believe travel study is essential to learning design, architecture, and engineering. Our school offers a number of short-term regional, national, and international travel study options throughout the curriculum—including a required four-week study abroad course. The destinations may change from year to year, but international study is critical in preparing students to become leaders.

Student Groups

The School of Architecture has several student-led organizations: the American Institute of Architecture Students (AIAS), Architectural Engineering Institute (AEI), Construction Specifications Institute (CSI), National Organization of Minority Architect Students (NOMAS), the Almighty S for women in design, and Architecture Students Teaching Elementary Kids (ASTEK).



Architecture is the complex art of organizing resources to create places that elevate the dignity of human life. It is unique among many professions for its diverse obsessions—from art, form, and light to science, technology, and math. This combination of concerns equips architects with empathy, creativity, and intellectual rigor.

Our School's relentless attention to design studio education prepares students for the rigorous field of architecture as well as many other creative fields. Graduates from this

▲ Professor Bilbeisi teaching first-year students

degree program contribute to the cause of architecture in a wide variety of ways, from professional practice to emerging industries and technologies.

The National Architectural Accrediting Board (NAAB) accredits our five-year Bachelor of Architecture degree. In order to practice architecture, most states require a NAAB accredited professional degree, documented experience in an architectural practice, and successful completion of the Architectural Registration Exam (ARE).

FACULTY



Carisa Ramming
Associate Prof of
Arch Engineering

Licensed engineer teaching statics, steel structures, and engineering mechanics with an interest in classical and numerical structural analysis.



Nathan Richardson
Associate Professor
Architecture

Architect and educator in urban design, travel study, entrepreneurship, real estate development, and professional practice.



Randy Seitsinger
Associate Dean of
Academic Affairs &
Professor
Architecture

Architect and prolific painter with an interest in medieval architecture, travel study, and contemporary rural Oklahoma architecture.



Tom Spector
Professor
Architecture

Architect and authority in architectural design ethics and design theory, especially as it relates to professional practice.



Lori Carroll
Academic Advisor

Advisor with a Masters degree in academic advising and an extensive background in architecture.

Architecture Library
Helen Clements

Staff

Gabrielle Crowell
Daniel Ochoa Morales
Chelsea Wooldridge



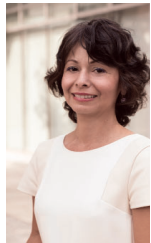
Seung Ra
Associate Professor
Architecture

Architect and designer interested in culture, technology, and progressive approaches to the interdisciplinary study of architecture and urbanism.



Michael Rabens
Associate Professor
Architecture

Educator in architectural history, with a particular focus on French and American contributions to the canon of design history.



Awilda Rodriguez
Associate Professor
Architecture

Educator and architect with an interest in design and representation in computer applications through virtual and augmented reality.



Paolo Sanza
Associate Professor
Architecture

Architect and educator with experience in design, materials, computer applications, and adaptive reuse.



Jerry Stivers
Associate Professor
Architecture

Architect specializing in comprehensive design studio, building systems, medieval architecture, and travel study coursework.



Jay Yowell
Assistant Professor
Architecture

Practicing architect and educator in design studio, systems, and materials, with a research interest in biomimicry.

ARCHITECTURE

Bachelor of Architecture

154 credits

First Year

Intro to Architecture
Calculus I
Architecture History I
English I
Gen Ed (Social Science)

Design Studio
Physics
Architecture History II
Gen Ed (Diversity)

Second Year

Design Studio
Design Communication
Structural Design (Statics)
English II

Design Studio
Building Systems
Elective (Architecture)
Gen Ed (Science)

Third Year

Design Studio
Structural Design (Steel)
Elective (Architecture)
American Government

Design Studio
Design Software
Concrete I
Gen Ed

Study Abroad (summer)

Fourth Year

Design Studio
Architectural Science I
Elective (Architecture)
Gen Ed

Design Studio
Architectural Science II
Leadership Seminar
Elective (Arch History & Theory)
Elective
American History

Fifth Year

Design Studio
Professional Practice
Project Management
Elective

Design Studio
Professional Practice
Elective (Architecture)
Elective



Architectural engineering is focused upon a detailed understanding of the technical systems required in the creation of architecture. Two options exist within the degree plan: the Building Structures (STR) option and Construction Project Management (CPM) option. The AE degree combines the fundamental aspects of art and science with an emphasis on the rigorous technical requirements necessary to design and construct buildings for dignified human habitation. Graduates from this degree program work closely with architects, most often as consulting engineers in a building project.

▲ Professor Phillips in comprehensive design studio

Our School's attention to rigorous analysis and building performance allow graduates to move into other emerging areas of building technology as well.

The Accreditation Board for Engineering and Technology (ABET) accredits the four-and-a-half-year Bachelor of Architectural Engineering degree. In order to practice engineering, most states require an ABET accredited professional degree, documented experience in architectural engineering, and successful completion of the relevant engineering exams.

FACULTY



Moh'd Bilbeisi
Regents Professor
Architecture

Architect, artist, and author teaching design studio as an experiential and poetic art form.



Jeanne Homer
Associate Professor
Architecture

Architect and educator specializing in comprehensive design studio with a focus on systems and interdisciplinary collaboration.



Jared Macken
Assistant Professor
Architecture

Architect, theorist, and designer studying the relationship between architecture and the city and its resulting cultural artifacts.



Christina McCoy
Assistant Professor
Arch Engineering

Licensed engineer and architect teaching structural systems, with an interest in the intersection of architecture and structural design.



John Phillips
Professor Arch
Engineering

Licensed engineer teaching all aspects of structural analysis and design while specializing in the comprehensive design studio.



Sarah Ra
Assistant Professor
Architecture

Licensed architect with experience as a general contractor, focused on interior architecture, adaptive reuse, and materials.

This is your group of dedicated, engaged, partners in learning. We have broad and diverse interests, all linked by our belief in the transformative potential of design, architecture, and engineering.



Suzanne Bilbeisi
Head of School
Centennial Professor
Architecture

Licensed architect with a passion for beginning design, travel study, and professional leadership.



Khaled Mansy
Professor
Arch Engineering

Architect and engineer focused on low-energy architecture, daylighting design, building systems, and environmental performance.



Keith Peiffer
Assistant Professor
Architecture

Licensed architect with insight into professional practice and the integration of design and theory.

ARCHITECTURAL ENGINEERING

Bachelor of Architectural Engineering

140 credits

First Year

Intro to Architecture
Architecture History
Calculus I
Chemistry
English I

Design Studio
Engineering Software I
Physics
English II

Second Year

Design Studio
Design Communication
Structural Design (Statics)
Calculus II
American Government

Building Systems
Architecture History & Theory
Structural Design (Strengths)
Calculus III
American History

Third Year

Structural Design (Analysis I)
Structural Design (Loads I)
Structural Design (Steel I)
Structural Design (Dynamics)
Physics

Structural Design (Steel II)
Structural Design (Concrete I)
Engineering Software II
Material Science
Gen Ed (Science)

Fourth Year

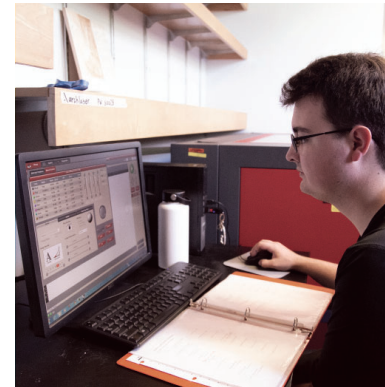
Structural Design (Concrete II)
Structural Design (Foundations)
Architectural Science I
Differential Equations
Gen Ed (Social Science/Diversity)

Structural Design (Timbers/Masonry)
Engineering Economic Analysis
Architectural Science II
Engineering Statistics
Elective

Fifth Year

Comprehensive Eng Design
Professional Practice
Project Management
Elective

FACILITIES



- ▲ Preparing settings for the laser cutter (top)
- ▲ CNC router in woodshop (bottom)
- ◀ First-year studio projects

The Donald W. Reynolds Foundation, with support from Oklahoma State University and other partners, funded the recent renovation and expansion of our current facilities on the Stillwater campus. Our facilities accommodate all of our students and faculty with amenities and resources to enable their best work. Students enjoy an onsite library, auditorium lecture hall, gallery, and studios with dedicated personal workspace. We also offer multiple digital fabrication labs with a CNC router, laser cutters, daylighting equipment, and an audiovisual studio. 3D printers and other fabrication equipment for student use are also available at the Endeavor.

Indoor and outdoor amenities surrounding the facility are home to many school and university events throughout the year. Finally, the Donald W. Reynolds maintenance endowment continues to fund upgrades to our building and equipment on an annual basis—ensuring that it remains a leading edge facility for students and faculty alike.