



COLLEGE OF FINE ARTS: SCHOOL OF ARCHITECTURE

Carnegie Mellon University's College of Fine Arts, a community of internationally recognized artists and professionals organized into five schools, has set its sights on being known as the definitive international hub of arts, architecture and design education, research and practice in the 21st century. We welcome visionaries and creative thinkers to study alongside our world-class faculty, staff and students to produce new culture, knowledge, techniques and technologies in architecture, art, design, drama and music.

— Constructing Innovative Solutions for Emerging Global Challenges

Within Carnegie Mellon's School of Architecture, you'll build a strong foundation in the discipline with an emphasis on the role creativity plays in architectural design. You'll gain an understanding of architecture's historical, social and environmental contexts. And you'll critically engage technology in architectural innovation while working to achieve social progress and justice in the built environment.

Here, you'll have the opportunity to gain core knowledge through concentrations in architecture subdisciplines including urban design, sustainable design or computational design. You may also pursue coursework in Carnegie Mellon University's other renowned programs in the sciences, humanities, business and engineering. This interdisciplinary education ensures that while every School

of Architecture student graduates with intensive architecture knowledge, no two graduates leave with the same education.

Our goal is to produce discipline-defining designers who can think critically in diverse global contexts. Program graduates excel in the roles architects have performed for centuries — and in new roles catalyzed by the depth and breadth of their education — to create and execute innovative solutions to a wide range of emerging global challenges.

FIRST-YEAR CLASS

FALL 2023

68

— Did you know?

EVERY UNDERGRADUATE ARCHITECTURE STUDENT is trained to use both our Digital Fabrication Lab (dFAB) and wood/metal shop facilities. dFAB provides students access to digitally driven tools for **3D printing, laser cutting, 3-axis CNC milling, 6-axis custom robotic tooling operations and vacuum forming**. Students also learn the art of making by hand in the wood/metal shop with training to operate equipment like a surfacer, jointers, table and radial-arm saws, wood and metal band saws, drill presses and other power and hand tools.

EX-CHANGE is an annual School of Architecture publication and exhibition that celebrates an academic year of student work from first year to Ph.D. **EX-CHANGE 2023** examines three challenges addressed by the School of Architecture's pedagogies: **artificial intelligence, social justice and climate change**. It also reflects on **materiality, the public programs theme for the 2022-23 academic year**. Download your copy of the 2023 EX-CHANGE publication at architecture.cmu.edu/exchange.

EACH UNDERGRADUATE ARCHITECTURE STUDENT CHOOSES AN ADVANCED SYNTHESIS OPTION STUDIO (ASOS) in the spring semester of their second year. ASOS are **vertically integrated advanced studios** that encourage interdisciplinary collaboration from the arts and technology, research and design, large scale urban and ecological thinking, to detailed investigations of materials, fabrication strategies and form strategies. B.Arch students will take an additional three ASOS studios in the fourth and fifth year of their curriculum.

Programs

Bachelor of Architecture (B.Arch)

5-year, NAAB-accredited professional degree program

B.A. in Architecture

4-year pre-professional degree program

Minors

Architecture
Architectural Design Fabrication
Architectural History
Architectural Representation and Visualization
Architectural Technology
Building Science
Computational Design

Concentrations

Integrative Design, Arts and Technology (IDeATe)

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— Curriculum Overview

In education and architecture, there's no one size fits all. In the School of Architecture, you'll construct an educational path that fits your goals. You'll begin with a foundational, studio-based curriculum in architectural research, design, building science, computation, ecology, materials and urbanism. You'll train in our Digital Fabrication Lab and wood/metal shop. Then you'll choose between two options — the 5-year NAAB-accredited Bachelor of Architecture or the 4-year Bachelor of Arts in Architecture.

The Bachelor of Architecture program is for students set on pursuing a career as a licensed architect. Coursework centers around a carefully structured set of studio, technical and professional courses about building design and construction. The Bachelor of Arts in Architecture incorporates inter-disciplinary exploration and provides students the opportunity to double major, test the boundaries of the discipline and explore a variety of interests.

Students are encouraged to pursue travel opportunities to expand their worldview while seeing the architecture of different countries, whether it be through one of the school's travel awards or study abroad.

— Notable Alumni

Madeline Gannon, (PhD-CD 2017, MSCD 2011) principal researcher, ATONATON, Pittsburgh

Richman Neumann, AIA, LEED AP (B.Arch 2013) CEO, Modumate, San Francisco

Carolyn Caranante, AIA, (B.Arch 2009, MSAECM 2010), architect/construction project manager, AECOM Tishman, NYC

Nina Barbuto, (B.Arch 2006), executive director, Assemble, Pittsburgh

Lauren Schmidt, AIA, LEED AP (B.Arch 2004) director, Kohn Pedersen Fox (KPF), NYC

Andrea Love, AIA, LEED Fellow (B.Arch 2002) principal/director of building science, Payette, Boston

— Innovative Projects

Containment, Care and Community

Assistant Professor Nida Rehman presented the exhibition "Containment, Care + Community" in fall 2023. The event included the work of students and recent alumni and invited viewers to consider how methods of infectious disease containment may open avenues, not for isolation and personal responsibility, but for relationality and collective action.

Innovations in Terra Cotta Design

The annual Architectural Ceramic Assemblies Workshop (ACAW) is a collaborative workshop that brings together industry professionals, students and faculty. Hosted by Boston Valley Terra Cotta, in partnership with Carnegie Mellon School of Architecture and the University at Buffalo School of Architecture and Planning, ACAW fosters knowledge sharing and hands-on experience in the development of terra cotta wall assemblies.

Exploring Design Prompts in AI

Dana Cupkova, Associate Professor, taught the ASO Studio "Image Deep: /Imagine: Exploring Design Prompts in AI: Variations on Social Housing and Material Ecologies in the era of Climate Change" in spring 2023. The course examined architecture that inquires into embodied energy as a primary inspiration for formation of matter.

Adam Farmerie, (B.Arch 1996) and **Greg Bradshaw**, (B.Arch 1992) founders and partners, AvroKO, NYC

Dutch MacDonald, (B.Arch 1991) managing director, BCG Platinion, Pittsburgh

Gregory Mottola, FAIA (B.Arch 1991) principal, BCJ Architects, San Francisco

Pradeep Ranka, (B.Arch 1991) creative and technical director, Ranka Group, Bangalore

Yumiko Yamada, (B.Arch 1999) partner, SANAA, Tokyo, Japan

Arathi Gowda, (B.Arch 2002) principal, ZGF Architects, Washington, DC

Paúl Moscoso Riofrío, (MUD 2018) director of architecture, Moscoso Arquitectos, Cuenca, Ecuador

GRADUATE SUCCESS

72% Employed or in grad school

DATA AS OF JANUARY 2024
66.7% OF GRADUATES REPORTING

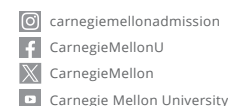
RECENT EMPLOYERS

AECOM	Google
Apple	iRobot
Alibaba	KPF
CannonDesign	Microsoft
Deeplocal	Oculus VR
Deloitte	Payette
Gensler	Perkins Eastman
Goldman Sachs	Zillow

**OUR UNDERGRADUATE
PROGRAM IS IN THE TOP 10
OF MOST HIRED FROM
ARCHITECTURE SCHOOLS
WITH 20-49 GRADUATES.
(DESIGNINTELLIGENCE, 2019-20)**

Carnegie Mellon University

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