

# COLLEGE OF FINE ARTS: SCHOOL OF ARCHITECTURE

The School of Architecture provides deep immersion in the field of architecture, intensified by the broader Carnegie Mellon culture of interdisciplinary innovation and creative inquiry.

We define the discipline of architecture as the integrated pursuit of design creativity, historical perspective, social responsibility, technical expertise, and global environmental leadership. Our undergraduate and graduate degree programs prepare students to be excellent, discipline-defining design thinkers in diverse global contexts.

This world-class architecture education is enhanced by our position within one of the world's leading research and entrepreneurship institutions, and by the fundamental premise that architectural excellence demands both rigorous training in fundamentals and the development of unique specializations. Students may extend their core knowledge either through concentration in architecture subdisciplines like sustainable design or computational design, or through interdisciplinary interaction with CMU's other renowned programs — whether the sciences, the humanities, business or robotics. Though every School of Architecture student graduates with intensive architecture knowledge, no two graduates leave with the same education.

In the twenty-first century, few architecture problems are straightforward. SoA 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 huge range of emerging global challenges.

## PROGRAMS

### Bachelor of Architecture (B.Arch):

5-year professional degree program

### Accelerated Master Program (AMP)

Optional minors:

- Minor in Architecture
- Minor in Architectural History
- Minor in Architectural Representation and Visualization
- Minor in Architectural Technology
- Minor in Building Science

Optional involvement in CMU's Integrative Design, Arts & Technology (IDeATe) network

## FIRST-YEAR STUDENTS

61  
FRESHMEN

### Architecture Admitted Student Statistics

SATCR	SATM	SATWR	ACTE	ACTM	ACTC
620-720	680-780	640-730	32	31	32

Rank 8% GPA 3.73

### Favorite Courses

- Architecture Design Studios: Foundation
- Analog Media
- Digital Media
- First-Year Seminars: Architecture Edition
- Historical Survey of World Architecture and Urbanism
- Building Physics
- Interpretation and Argument
- Computing @ Carnegie Mellon
- Fundamentals of Computational Design

## FACULTY

Carnegie Mellon architecture students give our program outstanding marks.

Excellent or  
Above Average  
99%

DesignIntelligence 2014

Average  
1%

### Notable Faculty

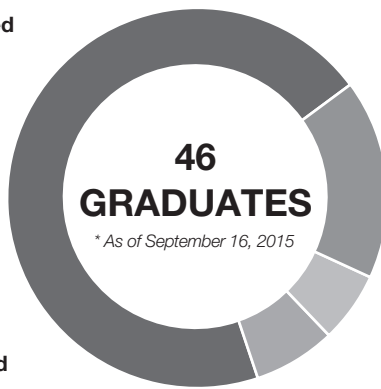
- Steve Lee (professor and head) and John Folan (associate professor and Urban Design Build Studio director) were listed among *DesignIntelligence's* 30 Most Admired Educators of 2015.
- Daniel Cardoso Llach is an expert in computational design and author of *Builders of the Vision: Software and the Imagination of Design*.
- Undergraduate studios benefit from the expertise of leading practitioners like Adjunct Professor Christine Mondor, who is both chair of the Pittsburgh Planning Commission and the principal of internationally renowned environmental consulting and design firm evolveEA.
- Long-time faculty members Vivian Loftness, Volker Hartkopf and Ramesh Krishnamurti were pioneers in sustainable and computational design, respectively. They continue to conduct cutting-edge research every year.

Carnegie Mellon

## GRADUATE SUCCESS

Employed  
**70%**

Not  
Reported  
**7%**



Plans  
Pending  
**17%**

Grad  
School  
**6%**

### Top Employers

- ▶ Bohlin, Cywinski, Jackson (BCJ)
- ▶ Disney
- ▶ IKM Inc.
- ▶ KieranTimberlake
- ▶ Gensler
- ▶ Payette
- ▶ Perkins Eastman
- ▶ Skidmore, Owings & Merrill (SOM)
- ▶ Stantec Inc.
- ▶ TAKTL

### Notable Alumni

Christine Carlisle (A'85), principal, Solomon Cordwell Bunz, Chicago

Anne Cotter (A'86), Arquitectonica, Miami

Roger Duffy (A'79), principal, SOM, NYC

Adam Farmerie (A'96) and Greg Bradshaw (A'92), founders and partners of design and concept firm AvroKO, NYC

Dan Garber, FAIA (A'79), principal, Fergus Garber Young Architects, Palo Alto

Oscar Harris (A'71), principal, Turner Associates, Atlanta

Matt Hoe (A'14), associate project manager,  
Walt Disney Imagineering

Eugene Leung (A'03) & Lillie Liu (A'01), architectural designers,  
Zaha Hadid Architects, London

Anne-Marie Lubenau (A'89), Harvard Loeb fellow; director, Rudy  
Bruner Award for Urban Excellence, Boston

Dutch MacDonald (A'91), president & CEO, MAYA Design, Pittsburgh

George Marsh Jr., FAIA (A'79), principal, Payette,  
Boston

Gregory Mottola, FAIA (A'91), principal, BCJ Architects,  
San Francisco

Paul Ostergaard, FAIA (A'77), principal, Urban Design  
Associates, Pittsburgh

Bhupesh Patel (A'93), founder & principal,  
designtank inc, Boston

Neal Payton, FAIA (A'78), principal, Torti Gallas and  
Partners, Inc., Santa Monica

Coleman Rusnock (A'07), Google, San Francisco

Rebecca Shore (A'08), associate director, CodeGreen  
Solutions, NYC

Jon Zubiller (A'00), senior associate, David M. Schwarz  
Architects, Washington, D.C.

## INNOVATIVE PROJECTS

### Decade of Design (2014-2015)

Dana Cupkova, Nina Baird and Christine Mondor were awarded the AIA Global Urban Solutions Challenge grant. Their research project, entitled *Other Natures: Resiliency of Postindustrial City Networks*, focuses on development of a new computationally based design workflow and decision-making tools for urban planning, specifically geared to rain-induced flooding and storm-water infrastructure.

### Tactum (2014-2015)

Ph.D.-CD candidate and instructor Madeline Gannon's 3D-printed wearable technology, designed directly on the wearer's body, has garnered broad attention in tech media. The project, called "Tactum," has potential applications across a variety of fields, from design to health care.

### Fulbright Fellowship, Mexico City (2014-2015)

Paulina Reyes (class of 2014) won a Fulbright scholarship to examine the architectural implications of water contamination and shortage among marginalized urban communities in Mexico City, and devise strategies to bring clean water to those communities.

## DID YOU KNOW?

1. Every first-year 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 3-D 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.
2. The School of Architecture **Fall and Spring Lecture Series** are world-renowned. As architecture is a stealthy moving target, so the series reflects on the expansive diversity of the field. The lecture series provides both a measure of what is out there and a challenge to the divergent potentials of where architecture can go.
3. Our **Intelligent Workplace**, supported by major building industries and federal agencies, is an unprecedented "living laboratory" of innovations in enclosure, HVAC, lighting, telecommunications and interior systems, and is home-away-from-home to some of the world's leading experts in environmentally sustainable design.
4. The **Urban Design Build Studio** gives students a leadership role in collaborating with local communities, nonprofits, government agencies, general contractors and professional consultants to realize built projects — and create affordable, regionally specific work for clients and communities. Housed within an industrial studio, students to all aspects of the architectural profession and project delivery.

### Carnegie Mellon University

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