bachelor of science in architecture

"The study of architecture at Taubman College combines the disciplinary rigor of an architectural education with the breadth of the liberal arts within the context of a faculty engaged in creative practice and cutting-edge research."

Sharon Haar, Architecture Program Chair

Assistant Professor Wes McGee working with the 7-axis robot in the Taubman College FABLab

B.S. student working in studio

bachelor of science

Taubman College of Architecture and Urban Planning is an internationally renowned, culturally diverse, and intellectually dynamic community of students, scholars, researchers, and teacher practitioners. Taubman College students are immersed in a curriculum that reinforces analytical and conceptual problem solving skills with interactive studios, lectures, and seminars. The 120 credit-hour undergraduate architecture and liberal arts curriculum culminates in a pre-professional Bachelor of Science degree (B.S.) in Architecture.

The B.S. degree prepares students for future work in a myriad of areas. After graduating, some students choose to pursue graduate studies in a professional Master of Architecture program in order to prepare for architectural licensure. Some pursue graduate study in related fields, including landscape architecture, engineering, art, construction, urban planning, urban design, or historic preservation. Others find opportunities with architecture firms or in other related design occupations while others use the degree as a springboard for creative work in unrelated fields.

In the first two years, students engage in the study of the liberal arts in addition to architecture, giving them a broad educational experience and allowing them to develop the critical tools and knowledge essential to the study of contemporary architecture. During the last two years, students focus on architecture core courses such as design, representation, construction, structures, environmental sciences, and architectural history and theory. Taubman College students understand the complexity of the design process, have knowledge of the techniques and technology of building, and possess the intellectual and aesthetic skills necessary for a creative synthesis of that information into meaningful and expressive design solutions.

Taubman College is one of the 19 schools and colleges within the University of Michigan. Our unique features include: a state-of-the-art digital fabrication laboratory; a design studio measuring over 32,000 square feet; extensive travel abroad opportunities; a committed, energetic, award-winning faculty with a wide range of research and design interests; a robust series of guest lectures and conferences; a globally diverse student body; and a 12:1 student to faculty ratio.

Applicants to the undergraduate architecture program can apply three different ways: as a freshman; as a cross-campus transfer (after completing two years of coursework at the University of Michigan); or as a new transfer (after completing two years of coursework outside the University of Michigan).

Visit to Tengger Caldera in East Java, Indonesia as part of a spring travel course

freshman applicants

Prospective students who have not attended an institution of higher education after graduating from secondary school, and are able to show a demonstrated interest in architecture that can be translated in a portfolio, are encouraged to apply for freshman admission. Demonstrated interest may include: taking visual art, CAD, or drafting classes; making things from imagination or invention (e.g. graphic design, furniture, sewing, crafts, costumes, theatre sets, etc.); experience with rendering software, digital technology (e.g. laser cutting, CNC machines, rapid prototyping, robotics, etc.) or woodshops; attending an architecture magnet high school, summer program, or after-school program; or working at an architecture firm.

Admission to Taubman College as a freshman student is highly competitive. Prospective architecture students are encouraged to investigate preferred admission or application to another University of Michigan program such as the College of Literature, Science, & the Arts (LSA) and position themselves for cross-campus transfer.

preferred admission

The Preferred Admission Program at Taubman College creates another pathway to the Undergraduate Architecture Program for incoming U-M freshmen in the College of Literature, Science, and the Arts (LSA) and the Stamps School of Art & Design. Students admitted through the Preferred Admission Program secure entry into the B.S. degree track in their junior year if 3.0 GPA and course requirements are met. LSA and Stamps School applicants will be considered for preferred admission after being admitted as a freshman.

dual applications

Prospective students interested in acquiring multiple degrees from the University of Michigan may apply to Taubman College and one of the following schools or colleges as incoming freshmen: the College of Literature, Science, and the Arts (LSA), the College of Engineering, or the Stamps School of Art & Design. Each institution will independently review and issue an admission decision for dual applications.

Applicants pursuing dual application with Taubman College are encouraged to submit their applications to LSA, the College of Engineering, or the Stamps School as early as possible, as students are admitted to these schools on a rolling basis. The Early Action deadline for LSA, the College of Engineering, and the Stamps School is November 1st.

high school preparation

The most important consideration for students interested in studying at the University of Michigan is the quality of the core college preparatory curriculum. Students should elect advanced placement, international baccalaureate, honors, enriched, and accelerated high school courses when appropriate and possible.

Recommended additional courses if available: 2D/3D design, Visual art, CAD, or drafting class; woodshops; graphic design; participation in architecture or design focused summer programs or high schools.

application

Please visit taubmancollege.umich.edu/applyarchitecture for detailed information about the bachelor of science in architecture requirements, application instructions, to schedule a visit, and to view sample schedules and course descriptions.

Student working in the Wood Shop

cross-campus transfer applicants

Current U-M students have the opportunity to engage in over 200 disciplines as part of a liberal arts curriculum at a world-class university. Taubman College faculty recognize the value of a liberal arts education to the shaping of a designer.

In preparation for the architecture curriculum, students complete between 60-70 credit hours and follow a curriculum of prescribed prerequisite architecture courses. Within these requirements there remains ample opportunity for students to select coursework and electives of individual interest. U-M students who elect to continue their pursuit of architecture, apply to Taubman College at the end of sophomore year for junior level entry. Once enrolled, students begin an intensive architecture curriculum that provides a firm foundation in the vocabularies, principles, skills, techniques, and knowledge of a broad range of environmental design determinants that are essential to professional work in architecture.

application
The application deadline for cross-campus transfer applicants is February 1st annually. A portfolio of visual work, including pre-architecture courses, is required; the annual portfolio deadline is March 10th.

Wallenberg studio review and exhibition

new transfer applicants

Students are also able to complete the first two years of course work at any accredited community college, college, or university other than the University of Michigan. Prior to beginning the undergraduate program junior year, applicants must complete a minimum of 60 credit hours/90 quarter hours, up to a maximum of 70 credit hours/105 quarter hours of prerequisite courses. See the reverse side of this brochure for requirements. Complete transfer guides are available at taubmancollege.umich.edu/applyundergraduate

Ideally, this course of study requires four and one-half years (nine terms/full time) for completion. The first two years will be done externally with the remaining two years to be completed at the University of Michigan and Taubman College. Usually, new transfer students apply to Taubman College during winter term of their sophomore year. New transfer students begin architecture study in an intensive summer half-term prior to their junior year to facilitate a smooth transition to the Taubman College studio culture.

application
Please visit taubmancollege.umich.edu/applyarchitecture for detailed information about the bachelor of science in architecture requirements, application instructions, to schedule a visit, and to view sample schedules and course descriptions.

TAUBMAN COLLEGE
architecture + urban planning

bachelor of science
required courses (120 credits)

1 English composition course (4 credits)
1 calculus course (4 credits)
1-2 physics courses (lecture and lab) (5-10 credits)
2-3 introductory architecture/art studios (6-9 credits)
2 history of architecture courses (6 credits)
1 digital drawing course (3 credits)
2 humanities courses (6 credits)
2 social science courses (6 credits)
1 natural science course (3 credits)
4-5 architectural design studios (24-30 credits)
2 design fundamentals courses (6 credits)
2 construction courses (6 credits)
2 structures courses (6 credits)
2 sustainable systems courses (6 credits)
6-9 elective courses (20-36 credits)

Please visit taubmancollege.umich.edu/applyundergraduate for more detailed information about our undergraduate architecture degree, application instructions, to schedule a visit, or to register as a prospective student.

Reviews in the CMYK gallery, Art + Architecture Building

For more information, please visit:

taubmancollege.umich.edu/architecture

master of architecture

Networks Studio Expertise Workshop [top]
M.Arch. studio discussion [below]

Thesis reviews at Liberty Research Annex

master of architecture

Taubman College's graduate professional degree in architecture is a studio intensive degree that takes a critical view of design, theory, and production. Professional coursework and electives in topical areas supplement the traditional design education model. The combination of professional coursework and coursework in representation, history, and theory prepares students to engage in a research-based thesis design project as their final studio. The program offers a wide-array of electives in history/theory, criticism, structures, environmental and construction technology, urbanism, sustainable design, computation, and digital fabrication. It is enhanced by its context that includes urban planners, urban designers, doctoral students, and post-professional students concentrating in conservation, material systems, design and health, and digital technology.

The college recognizes the value of perspective gained from university-wide and discipline-wide collaborations and encourages students to utilize the resources available at a premier research institution. Students who earned an undergraduate degree in architecture complete the program in two years. Students who hold an undergraduate degree in other disciplines should expect to follow the 3-year master of architecture course of study.

3-year master of architecture

Taubman College's 3-year master of architecture degree is designed for applicants who received an undergraduate degree in a discipline other than architecture. This 105-credit-hour degree draws upon the diverse backgrounds of the students to encourage a multi-faceted discussion of architecture. The first year builds a foundation that drives the following years; students join their peers in the 2-year master of architecture track for the second and third years. To be eligible for admission, students must hold an undergraduate degree in any field and have fulfilled the two required prerequisite courses: 1 calculus course and 1 physics course with lab. Two studio art courses are also strongly recommended. Coursework for the 3-year master of architecture degree begins in late June.

2-year master of architecture

Taubman College's 2-year, 60-credit-hour, master of architecture degree is designed for applicants who hold a bachelor of science degree in architecture or its equivalent. A strong architectural design portfolio consisting of a minimum of four studios and previous coursework that fulfills the majority of required courses in the first year of our 3-year curriculum is required. Applicants to the 2-year degree whose undergraduate work does not meet these criteria will be considered for admission to the 3-year degree. The M.Arch. degree is accredited by the National Architectural Accrediting Board (NAAB).

application

Please visit taubmancollege.umich.edu/applyarchitecture for detailed information about the 2-year and 3-year master of architecture requirements, application instructions, to schedule a visit, and to view sample schedules and course descriptions.

TAUBMAN COLLEGE
architecture + urban planning

3-year master of architecture required courses (105 credits)

7 architectural design studios* (42 credits)
1 thesis development seminar (3 credits)
1 design fundamentals course (3 credits)
1 architectural representation course (3 credits)
1 architectural theory + criticism course (3 credits)
1 architectural history course (3 credits)
2 building construction courses (6 credits)
2 sustainable systems courses (6 credits)
2 structures courses (6 credits)
1 professional practice course (3 credits)
4 architecture elective courses (12 credits)
5 elective courses (15 credits)

2-year master of architecture required courses (60 credits)

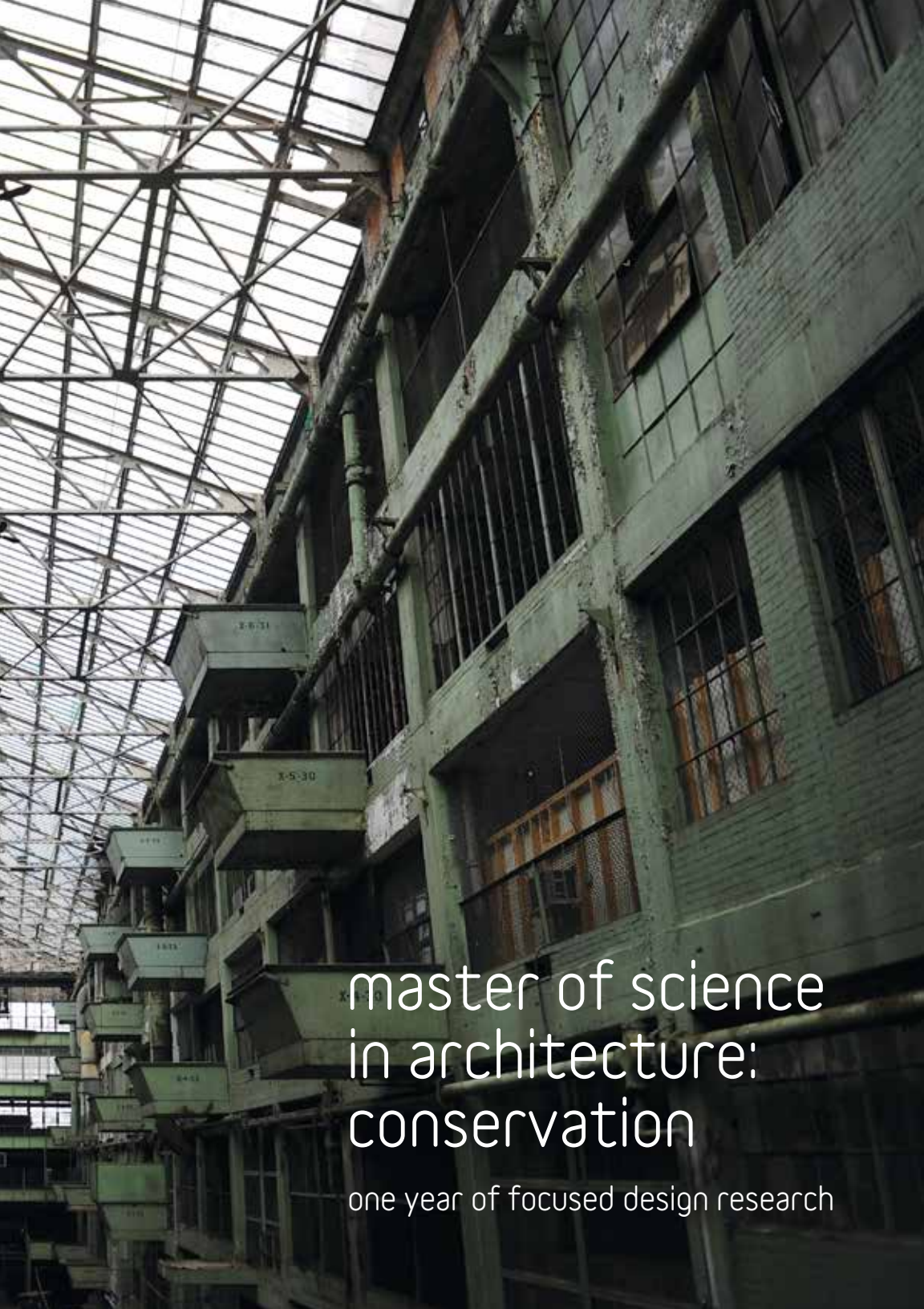
4 architectural design studios* (24 credits)
1 thesis development seminar (3 credits)
1 architectural representation course (3 credits)
1 architectural theory + criticism course (3 credits)
1 professional practice course (3 credits)
3 architectural electives (9 credits)
5 elective courses (15 credits)

*During the final year, 2-year and 3-year Master of Architecture students research a thesis topic that culminates in a design project. This design project serves as the final studio.

Thesis Reviews at Liberty Research Annex

For more information, please visit:

taubmancollege.umich.edu/architecture



master of science in architecture: conservation

one year of focused design research

Conservation site visit to FRAC Nord-Pas de Calais in Dunkirk, France

Ore dock, Marquette, Michigan

master of science: conservation

an innovative approach to historic preservation

Modern and pre-modern landscapes, environments, and cultural sites are at risk of being destroyed or altered to such a degree so as to lose their original relevance. Conservation combines a deep affection for, and knowledge of heritage with, an understanding of how the past might enhance the vitality of contemporary neighborhoods and cities. The Master of Science in Architecture concentration in Conservation (MS_C) offers participants an innovative approach to connecting physical, social, and ecological contexts as a means of probing architecture's active role in the construction of culture.

This concentration expands conventional notions of historic preservation to encompass the multiple scales that shape the cultural and environmental heritage of a community and its region. A holistic approach towards conservation has proved to be a highly effective element in community organizing and neighborhood identity, as well as a highly effective economic development strategy. Participants will focus on socio-cultural artifacts of memory and the role of conservation in the physical embodiment of historiography of architecture and landscape. The program is designed for participants who have an affinity for the architectures and landscapes of the past and who want to take an active role in defining a better present and future.

The degree coursework combines activism and entrepreneurship and allows participants to analyze historic districts, sites, landscapes, and territories as well as propose alternatives for the future. The program builds upon faculty expertise in areas of cultural history and memory, material science, environmental sustainability, social justice, and community development. It will combine technical training in conservation methods from outstanding practitioners, perspectives on urban history, urban design, community organizing, economic development, and public policy.

Taubman College is home to advanced technology, including state-of-the-art documentation equipment, the Geographic Information Systems resources available at the SAND Lab, and rapid prototyping equipment available in the Digital Fabrication Lab. As a nexus for interdisciplinary research and learning the University of Michigan fosters an expanded concentration discourse and the potential for cross campus collaborations.

application

Please visit taubmancollege.umich.edu/applyarchitecture for detailed information about the master of science in architecture requirements, application instructions, to schedule a visit, and to view sample schedules and course descriptions.

TAUBMAN COLLEGE
architecture + urban planning

MS_C Required Courses

The Master of Science in Architecture degree requires the completion of 36 credit hours carried out in 3 terms (10 months).

ARCH 716 – Theories in Conservation
This course will examine major issues in conservation theory and practice, and will concentrate on those topics of contestation and inquiry that define the field for design professionals. Topics will range from techniques of documentation and physical renovation to conservation as economic development to issues of neighborhood organization and social equity.

ARCH 717 – Documentation in Conservation
This course will focus on techniques for the documentation and analyses of existing structures and/or sites. Students will receive training in state-of-the-art digital technology such as photogrammetry and rectified photography recording methods. In addition, the course will help students develop valuable skills through research of primary and secondary archival resources. The course will examine the history of documentation in the context of drawing techniques and standardized representational formats (such as HABS).

ARCH 553 – American Architecture
This course will explore the transformations in American architectural theory and practice from the early nineteenth century to the present, with emphasis on elucidating the leading struggles for definition, meaning, and form in the architecture of this period. Also considered is the link between theory and practice; the relationship between conceptual and aesthetic as well as technical factors; and the cultural, economic, social, and political context out of which they evolved.

ARCH 714 – Master of Science in Architecture Proseminar
The Proseminar will engage interdisciplinary work, projects and scholarship related to the MS areas of concentration (digital technologies, material systems, conservation, and design and health) — through lectures, class discussion, and guest lectures including experts in the MS concentration areas.

ARCH 700 – MS Practicum in Conservation
The Practicum applies knowledge attained from the prerequisite courses towards project-based work in a 'design laboratory' setting. Students will work individually and collaboratively on topics framed by the faculty's research focus.

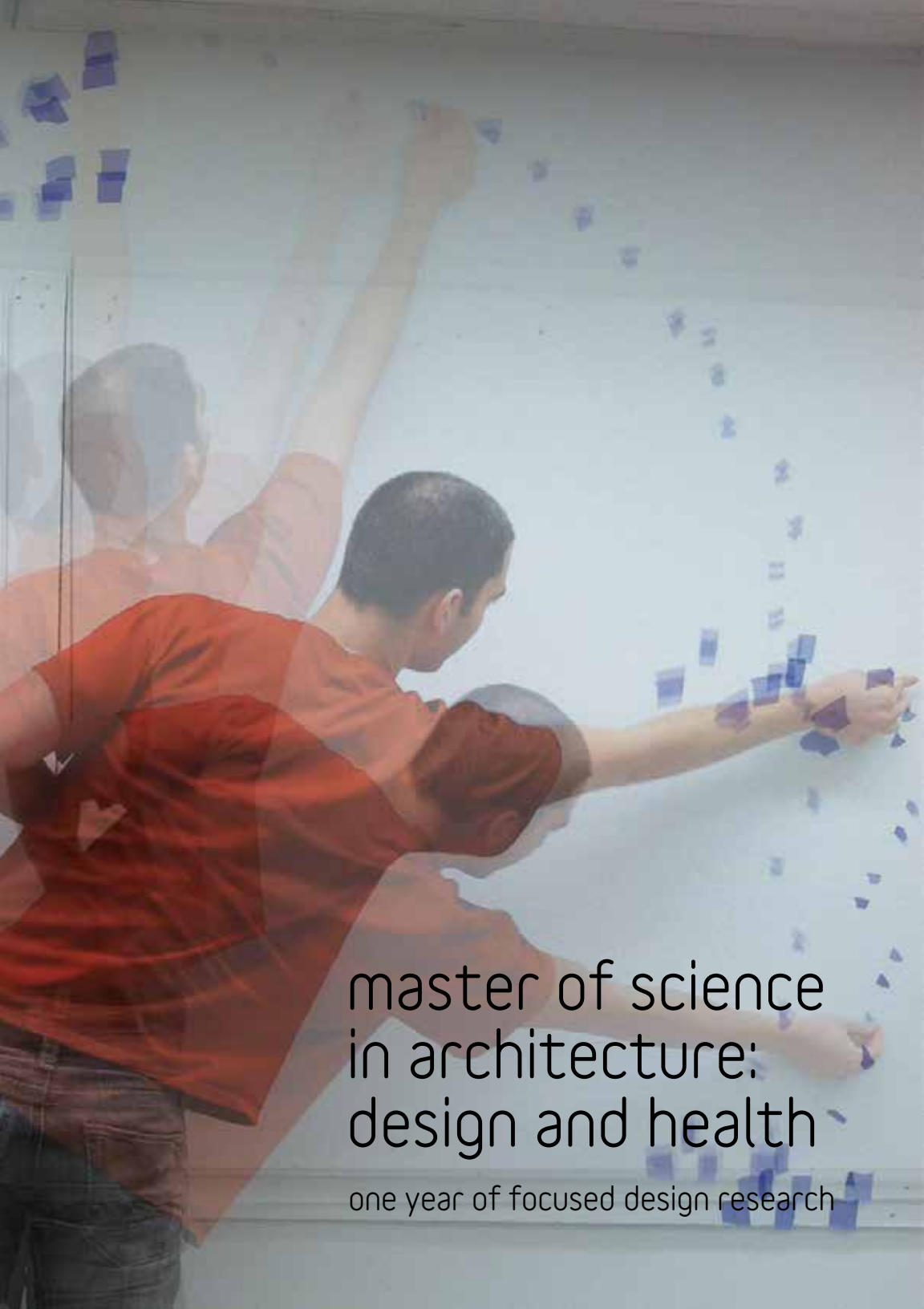
739-101 – MS Capstone in Conservation
The Capstone is an intensive team-based research project under the direction of the Capstone faculty. The project is intended to be related to the research of the faculty as a means to investigate innovative aspects for the application of conservation. This work will be executed collaboratively in a format defined by the scope and demands of the project.

In addition to dedicated courses within the concentration, students are able to take 4 elective courses to advance their knowledge of related topics. A minimum of two of these electives must be university electives that allow for a connection to the university at large in order to gain exposure to research methodologies beyond the discipline.

For more information, please visit:

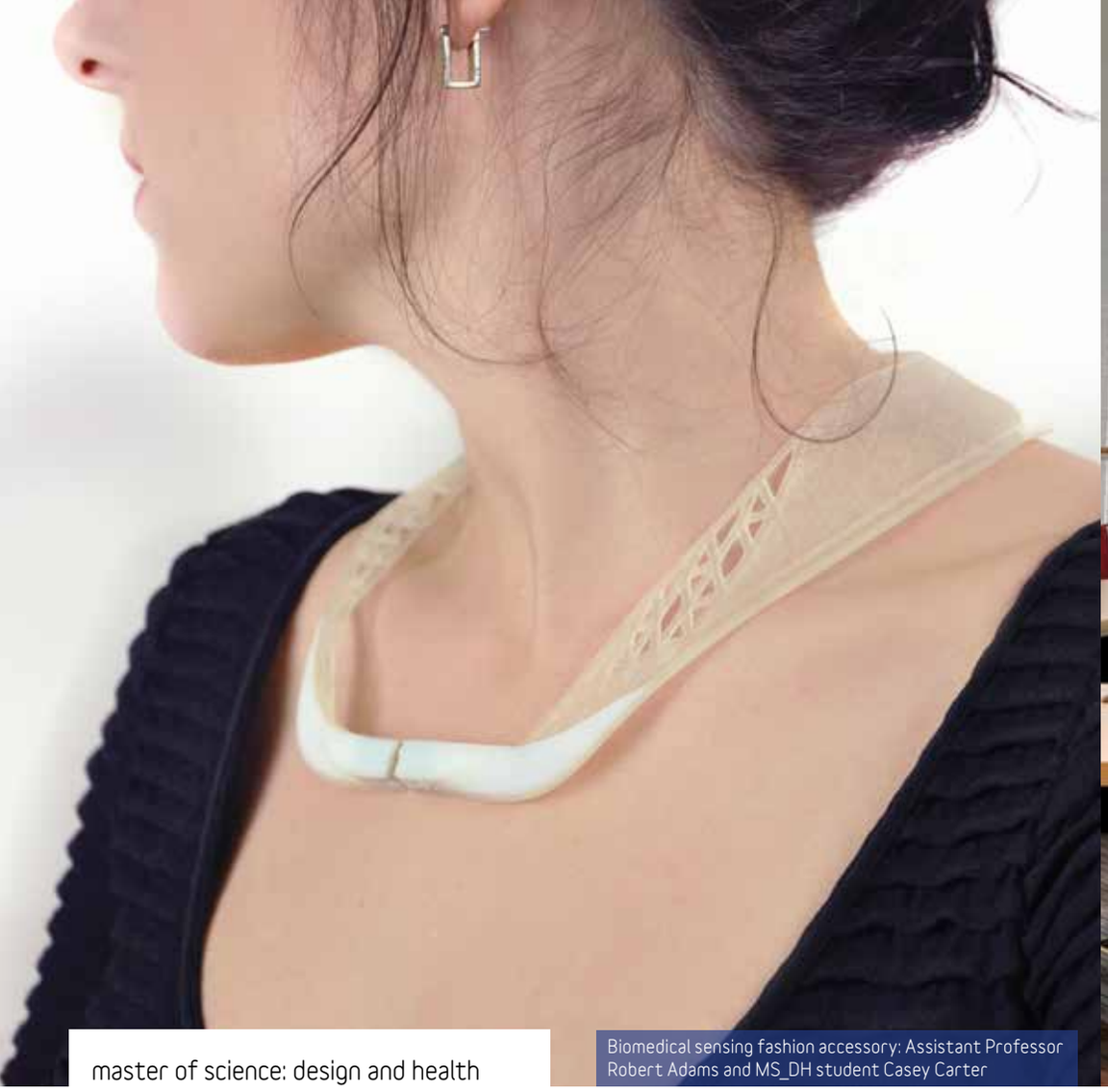
taubmancollege.umich.edu/msc

Highland Park Ford Plant, Albert Kahn, 1908



master of science in architecture: design and health

one year of focused design research



Biomedical sensing fashion accessory: Assistant Professor Robert Adams and MS_DH student Casey Carter

Students discuss health and urbanization at symposium in Shanghai, China

master of science: design and health

The built environment has a powerful impact on our bodies, fitness, and well-being. The Master of Science in Architecture concentration in Design and Health (MS_DH) examines a range of scales including interiors, buildings, cities, and territories that promote a critical assessment of existing design practices. Students in the MS_DH concentration pursue new opportunities for design and architecture to positively influence health infrastructure by addressing inequalities, while drawing from numerous allied fields through design.

Design Health is positioned as a crucial, global concern in light of rapid technological change, innovation in science, and emerging, critical theories in the humanities. In the MS_DH concentration, design is understood as a relational structure that navigates the constantly changing contours between the sciences and humanities. As forms of cultural production, health-related design issues are distributed between medical models and social models, with the medical model acting as the dominant paradigm. Students explore the confluence of these models, while developing design thinking in order to produce new methodologies and new ways of effectively engaging the complex relationships between design and health in a global context.

Within a 21st century context, MS_DH students develop new frameworks for debate regarding: the role of design in expanding healthy lifestyles, the challenges of structural-level disparities in access to healthcare facilities and amenities, and the way that design processes are embedded in pathological social systems. The concentration combines case study and action-based methods in order to deploy multi-disciplinary approaches to understanding health as an individual and collective challenge. Projects range from asymmetrical design explorations to policy innovations on issues ranging from resource allocation and zoning to transport and agricultural infrastructure. Areas of study include: the human body, disparate access to healthcare, hospitals and institutional health systems, and environmental conditions that influence health outcomes.

As urbanization continues to affect health, the impact of urban design will be of particular interest in examining the interplay between population density, transport infrastructure, access to food and water, and overall health.

Each MS_DH student will chart a relationship between architecture, design, social science, engineering, history, public health, public policy, and medicine. New forms of practice can emerge, as well as new forms of collaboration, from basic scientific research to technological interfaces within designed objects and buildings.

The University of Michigan is robust constellation of academic, professional, and clinical units with which to partner, including but not limited to subject areas of medicine, pediatric medicine, geriatrics, psychology, public health, public policy, obesity, sociology, art and design, kinesiology, and biomechanics.

application

Please visit taubmancollege.umich.edu/applyarchitecture for detailed information about the master of science in architecture requirements, application instructions, to schedule a visit, and to view sample schedules and course descriptions.

TAUBMAN COLLEGE
architecture + urban planning

MS_DH required courses

The Master of Science in Architecture degree requires the completion of 36 credit hours carried out in 3 terms (10 months).

ARCH 726 – Theories in Design Health
This course provides students with an understanding of the multitude of definitions of health across the globe, over time, and in various demographic realms. Students will become familiar with the nexus of disciplines and professions which enable and constrain design health.

ARCH 727 – Health: Individual Infrastructures
This course covers topics related to individual health and will examine the role of design in determining the metrics of individual health within domestic, work, and recreational environments. Participants will examine the body at rest, work, and play in specific spatial and environmental contexts determining disparities in which such activities that place and resolving the mechanics of the infrastructural differences.

ARCH 728 – Health: Civic Infrastructures
This course will cover topics related to the features of heterogeneous populations at rest, work, and play, and in the specific spatial and environmental contexts in which such activities take place. The collective behavior of civic infrastructures is closely associated with ecologies and systematic conditions of healthcare and healthcare access across multiple home, work, and recreational environments.

ARCH 714 – Master of Science in Architecture Proseminar
The Proseminar will engage interdisciplinary work, projects and scholarship related to the MS areas of concentration (digital technologies, material systems, conservation, and design and health) — through lectures, class discussion, and guest lectures including experts in the MS concentration areas.

ARCH 700 – MS Practicum in Design Health
The Practicum applies knowledge attained from the prerequisite courses towards project-based work in a 'design laboratory' setting in preparation for the capstone. Students will work individually and collaboratively on topics framed by the faculty's research focus.

739-101 – MS Capstone in Design Health
The Capstone is an intensive team-based research project under the direction of the Capstone faculty. The project is intended to be related to the research of the faculty as a means to investigate innovative aspects for the application of design and health. This work will be executed collaboratively in a format defined by the scope and demands of the project.

In addition to dedicated courses within the concentration, students are able to take 4 elective courses to advance their knowledge of related topics. A minimum of two of these electives must be university electives that allow for a connection to the university at large in order to gain exposure to research methodologies beyond the discipline.

Reach and range exercise, Universal Design Seminar

For more information, please visit:

taubmancollege.umich.edu/msdh

master of science in architecture: digital technologies

one year of focused design research

"La Voûte de LeFevre" by faculty member Wes McGee and studio collaborator Brandon Clifford

Students F. Parke MacDowell and Diana Tomova's "Wave Pavilion"

master of science: digital technologies

As architecture integrates advanced technologies from the aerospace, automotive, and shipbuilding industries, it has altered both the way buildings are conceived and manufactured. Computer-aided design/manufacturing technologies have forced architects to reconsider their role in response to an influx of complex performance requirements, changing contractual relationships, and multidisciplinary collaborations.

The Master of Science in Architecture concentration in Digital Technologies (MS_DT) not only allows for hands-on direct engagement with technology but challenges students to explore different design theories and methodologies poised to have disruptive effects on future work in the field.

The MS_DT concentration focuses on cutting-edge research in advanced fabrication techniques and digital design techniques. Project-based research led by innovative faculty in the college's world class Digital Fabrication Lab provides a powerful platform for motivated students to explore novel construction approaches of designed objects at various scales.

application

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TAUBMAN COLLEGE
architecture + urban planning

MS_DT Required Courses

The Master of Science in Architecture degree requires the completion of 36 credit hours carried out in 3 terms (10 months).

ARCH 701 – Theories in Digital Technologies (3 credits)
This course will introduce topics and precedents as a means of giving insight to research methods related to digital technologies. Students will complete the course with an understanding of crafting a research proposal and positing their propositions within a broader field of architectural design/research.

ARCH 702 – Material Engagement in Digital Technologies (3 credits)
This course will cover topics related to hardware, fabrication, and materials as related to advancements in digital fabrication. Beyond teaching the mechanics of specific machinery, the course will develope a framework for understanding exemplary projects in the field with a focus of different design methodologies.

ARCH 703 – Virtual Engagement in Digital Technologies (3 credits)
This seminar will cover a range of topics that include generative design, algorithmic design, scripting, parametric modeling, BIM, simulation, and analysis. Beyond the introduction to specific software packages, the course will develope a framework for different design methodologies and the relation to complex and dynamic geometry.

ARCH 714 – Master of Science in Architecture Proseminar
The Proseminar will engage interdisciplinary work, projects and scholarship related to the MS areas of concentration (digital technologies, material systems, conservation, and design and health) — through lectures, class discussion, and guest lectures including experts in the MS concentration areas.

ARCH 700 – MS Practicum in Digital Technologies
The Practicum applies knowledge attained from the prerequisite courses towards project-based work in a 'design laboratory' setting. Students work individually and collaboratively on topics framed by the faculty's research focus.

739-101 – MS Capstone in Digital Technologies
The Capstone is an intensive team-based research project under the direction of the Capstone faculty. The project is intended to be related to the research of the faculty as a means to investigate innovative aspects for the application of digital technologies. This work will be executed collaboratively in a format defined by the scope and demands of the project.

In addition to dedicated courses within the concentration, students are able to take 4 elective courses to advance their knowledge of related topics. A minimum of two of these electives must be university electives that allow for a connection to the university at large in order to gain exposure to research methodologies beyond the discipline.

For more information, please visit:

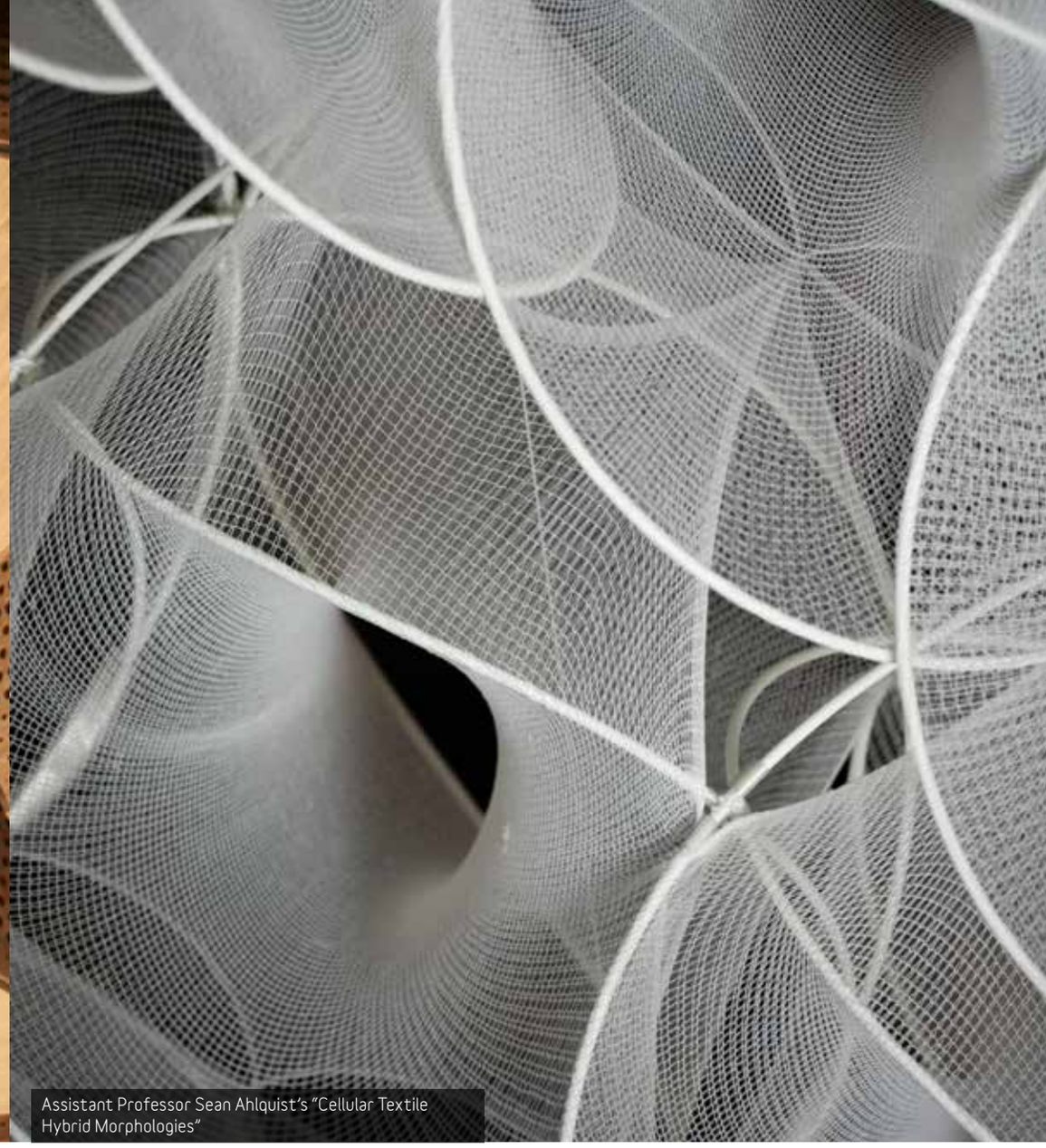
taubmancollege.umich.edu/msdt

Demonstration of robotic capabilities in the Robotic Fabrication Seminar

master of science in architecture: material systems

one year of focused design research

Associate Professor Geoffrey Thün and Assistant Professor Kathy Velikov's "Resonant Chamber"



Assistant Professor Sean Ahlquist's "Cellular Textile Hybrid Morphologies"

master of science: material systems

A material system is an assembly where interactions of matter and energies compute form, driven by complex constraints and feedbacks from manufacturing, environment and human interaction. The Master of Science in Architecture concentration in Material Systems (MS_MS) seeks to explore and exploit the unique material and spatial phenomena that emerge from the use of material methods and technologies. MS_MS provides motivated students with an opportunity to pursue architectural innovation within a context where design, composition and modes of production for scales from wearables to buildings have radically changed due to an increasing sophistication and pervasiveness of computationally driven design and fabrication technologies.

Material systems are examined for the ability to act in a responsive manner, by instrumentalizing their native material composition as well as introducing technologies for sensing and geometric transformation. Responsiveness is not confined only to degrees of morphability, but rather in how their extra-systemic qualities are transformational when placed in different contexts or experienced in different manners. Collaborative project-based research prioritizes design through examination, ongoing iteration and calibration of experiments, both virtual and real.

Candidates work in small collaborative teams with faculty at Taubman College and across campus in departments such as Material Science, Engineering, Computer Science, Interaction, Art & Design and the Center for Sustainable Systems. Taubman College and the University of Michigan possess unique resources, such as the Taubman College FABLab, the Duderstadt Center with Motion Capture Lab and Immersive Virtual Environment, the Environmental and Water Resources Engineering Lab, and the Engineering Research Center for Wireless Integrated MicroSystems. The Southeast Michigan region positions candidates in close proximity to some of the most advanced manufacturing facilities worldwide.

application

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TAUBMAN COLLEGE
architecture + urban planning

MS_MS required courses

The Master of Science in Architecture degree requires the completion of 36 credit hours carried out in 3 terms (10 months).

ARCH 706 - Theories in Material Systems
This course will provide a theoretical and discursive framework through which to approach material-based research and innovation within the discipline. Material systems will be situated within their physical, manufacturing, effective and ecological potentials. The course will cover literature, exemplary projects within the field as well as emerging paradigms and potentials for new work in the area of material systems.

ARCH 707 - Physical Pursuits in Material Systems
This technique-based course will cover topics related to material properties, behavior, performance, tooling, and manufacturing techniques. The course will focus, in part, on physical explorations in working processes related to the development of material assemblies, assessment of their behavior and effects, and their potential applications.

ARCH 708 - Technological Processes in Material Systems
This technique-based course will focus on computational design methodologies, which place materiality as a primary agent in the generation of complex morphologies. Topics covered will include topology, form-finding, computational simulation and analysis, and self-organizing self-structured systems. Work of the course will be combine material explorations with digital simulations.

ARCH 714 - Master of Science in Architecture Proseminar
The Proseminar will engage interdisciplinary work, projects and scholarship related to the MS areas of concentration (digital technologies, material systems, conservation, and design and health) — through lectures, class discussion, and guest lectures including experts in the MS concentration areas.

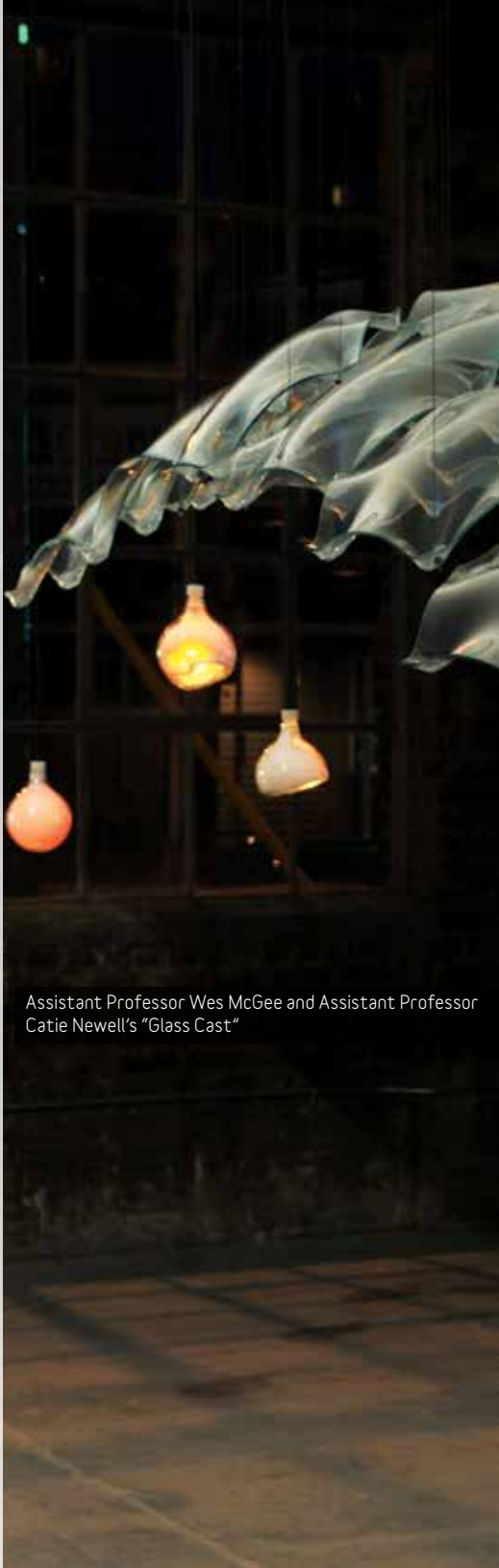
ARCH 700 - MS Practicum in Material Systems
The Practicum applies knowledge attained from the prerequisite courses towards project-based work in a 'design laboratory' setting. Students will work individually and collaboratively on topics framed by the faculty's research focus.

739-101 - MS Capstone in Material Systems
The Capstone is an intensive team-based research project under the direction of the Capstone faculty. The project is intended to be related to the research of the faculty as a means to investigate innovative aspects for the application of material systems. This work will be executed collaboratively in a format defined by the scope and demands of the project.

In addition to dedicated courses within the concentration, students are able to take 4 elective courses to advance their knowledge of related topics. A minimum of two of these electives must be university electives that allow for a connection to the university at large in order to gain exposure to research methodologies beyond the discipline.

For more information, please visit:

taubmancollege.umich.edu/msms



Assistant Professor Wes McGee and Assistant Professor Catie Newell's "Glass Cast"

master of urban design

OneCity Studio travel to Mumbai [top]
M.U.D. review [below]

M.U.D. students explore Rio de Janeiro

master of urban design

The Master of Urban Design (M.U.D.) degree focuses on megacity and post-industrial metropolitan regions. The degree approaches urbanism from a metropolitan scale with studio projects prompting both analytical and speculative work related to infrastructure, urban housing, and precinct-scale development in a single city. Globally-engaged and grounded in practice, the degree builds upon participants' own design-based educational and professional experiences to introduce new knowledge in urban real estate, cultural humanities, and ecological consciousness to address complex problems facing global cities. Urbanism and the cultural humanities share an imperative to reflect cultural production while also projecting new notions of what individual and collective life could be. Urban real estate is positioned between the dynamics of private capital, public capital and the public good. Ecological consciousness at the metropolitan scale is articulated as a cultural imperative embedded in informal and formal landscapes, infrastructure and complex systems.

Urban design is posited as the synthesis of complex and overlapping systems of thought. As such, diverse contemporary and historical design methodologies are rigorously investigated for their potentials and pitfalls. The degree opens up new ground in its approach to catalyzing urban development through a range of methods that may utilize cultural formations and indigenous cultural production as a way of introducing new morphologies of urbanism and new building and spatial typologies.

international curriculum
The M.U.D. degree supports travel to the selected metropolitan region twice during the year-long course of study. International travel brings participants into direct contact with the communities and persons for whom they will be designing. It cultivates critical thinking and cultural competency.

urbanism in a professional context
Taubman College supports research and professional activities that include: *Michigan-Mellon Project on Egalitarianism and the Metropolis* — a 4-year research initiative on urbanization in Detroit, Rio de Janeiro, and Mexico City; *Urban Development Now* — an annual symposium featuring global leaders in urban real estate and development; *Research on the City* — a competitive faculty research grant program fostering interdisciplinary research on urban topics; *Taubman College Lecture Series* — engaging lectures by global leaders on contemporary topics; and *M.U.D. Colloquium* — informal student-led topical discussions on real estate and development.

application
Please visit taubmancollege.umich.edu/applymud for detailed information about the degree requirements, application instructions, to schedule a visit, and to view sample schedules and course descriptions.

TAUBMAN COLLEGE
architecture + urban planning

master of urban design

A one calendar-year (summer half term, fall, winter, and spring half term), 52-credit, post-professional degree in urban design

The year-long curriculum is comprised of a cohesive set of urban design studios that insist upon the centrality of design in any fundamental transformation of cities — with a studio-based design-centered curriculum and complementary extracurricular activities. The studios are complemented by seminars on urban real estate development, project development, theories and methods of urban design, law, and cultural humanities.

OneCity Studios

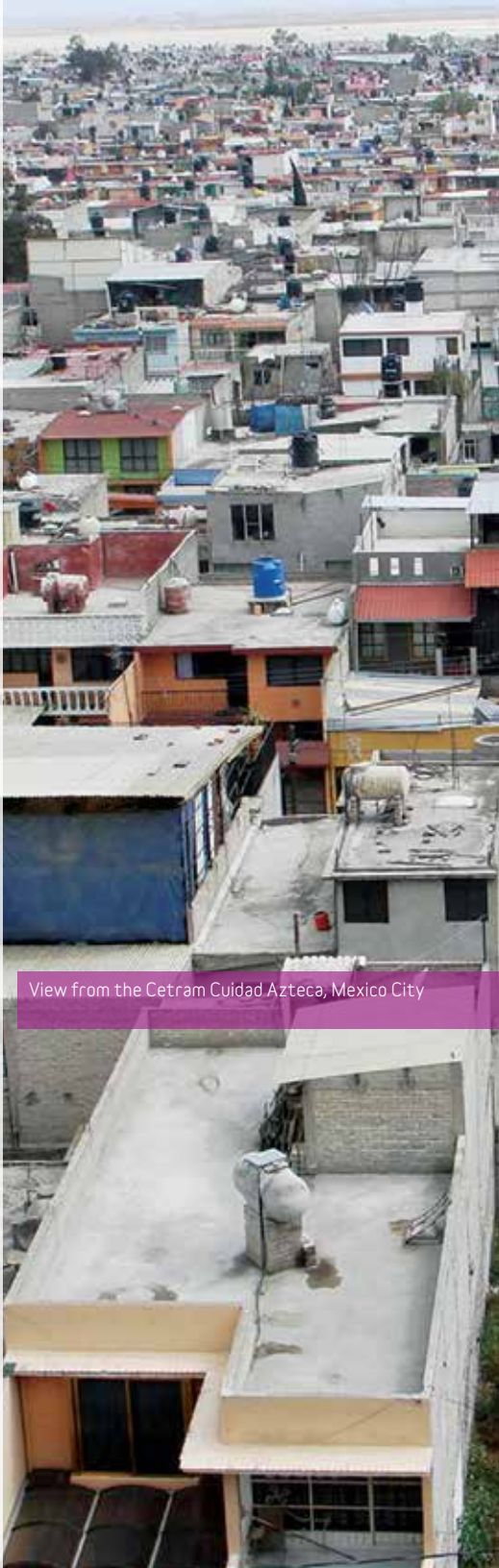
OneCity Studios explore metropolitan regions in the United States, Latin America, Asia and Africa, with an emphasis on megacities (Mexico City, 2014-15; Rio de Janeiro, 2012-13; Mumbai, 2013-2014) and post-industrial cities (Detroit, 2015-2016).

OneCity Studio I: Territories and Constituencies, examines the regional and infrastructural conditions of the metropolitan region and situates the contemporary tools of architectural and urban design representation in the context of communicating with municipalities, communities, capital markets, and non-profit entities.

OneCity Studio II: Settlement Spatialities, examines historical and contemporary patterns of housing; exposing participants to the challenges of delivering urban-scale density to diverse constituencies.

OneCity Studio III: Public + Private Spheres, examines precinct-scale sites with transformative potential and requiring innovative public and private financing; participants simulate the processes of attaining land control, assessing feasibility and programming options, and developing viable designs for both private and public space.

OneCity Studio: Capstone consolidates salient research in semesters 1-3 into provocative and speculative proposals for future development and ongoing research.



View from the Cetram Cuidad Azteca, Mexico City

For more information, please visit:

taubmancollege.umich.edu/urbandesign

urban and regional planning

Michigan Planning seeks to shape place-based policy and design for social equity and sustainability, regional solutions to metropolitan problems, just and effective remedies for urban decline, and the creation of human settlements that offer alternatives to environmentally consumptive land-development patterns.

Aerial view of downtown Detroit

M.U.P. students on site visit in Chicago [top]
BLOCKS exercise, Planning Practice core course [below]

thoughts on the profession of planning

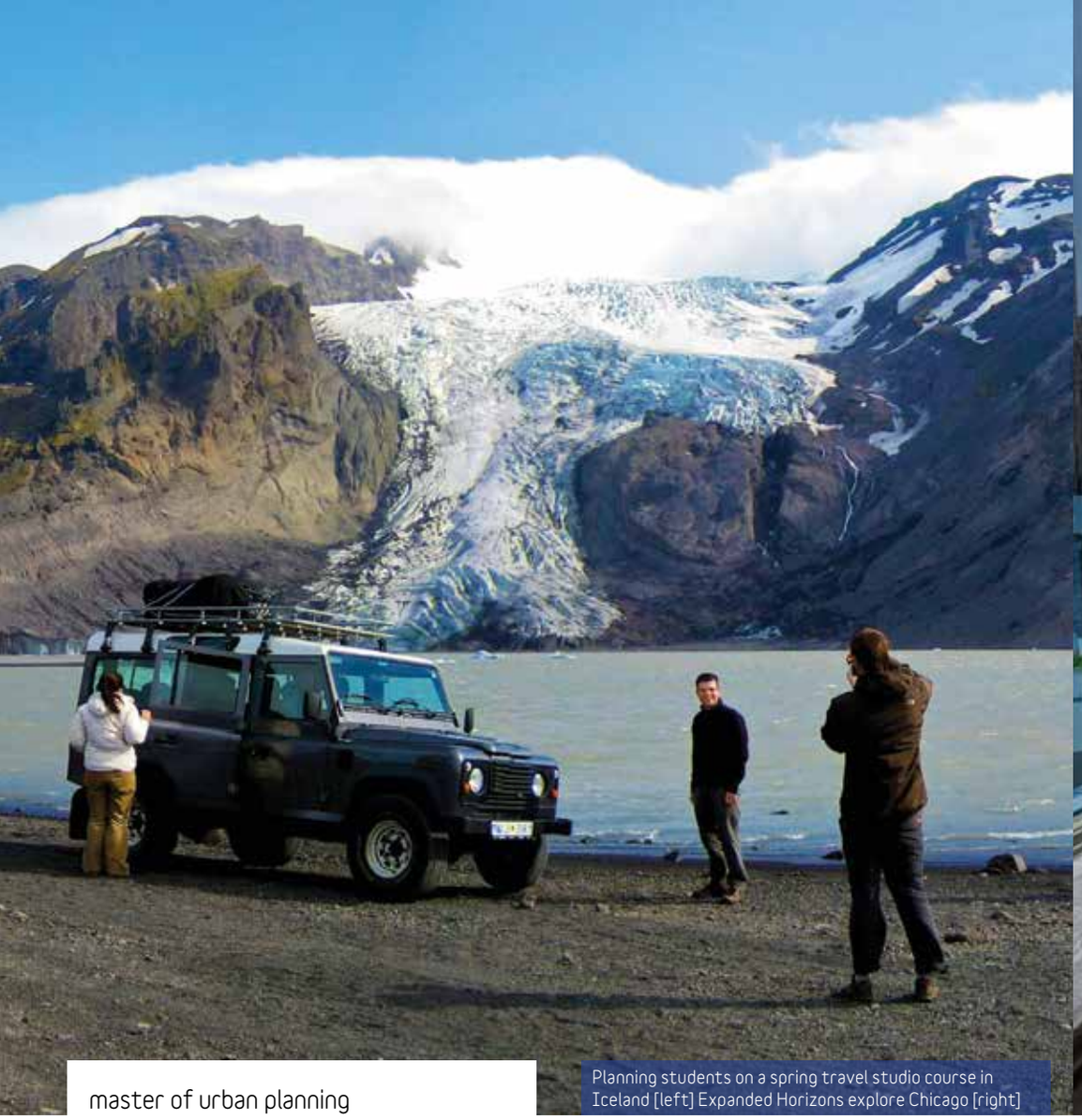
Urban and Regional Planning is a profession that strives to improve the environmental quality, economic potential, and social equity of places: neighborhoods, towns, cities, metropolitan areas, and larger regions. Planners seek to improve alternatives to sprawling, auto-dependent areas and to revitalize downtowns and inner-city neighborhoods. In addition, planners aspire to develop cities and towns in a manner that protects the environment; to create lively, interesting neighborhoods and commercial areas; and to foster sustainable development.

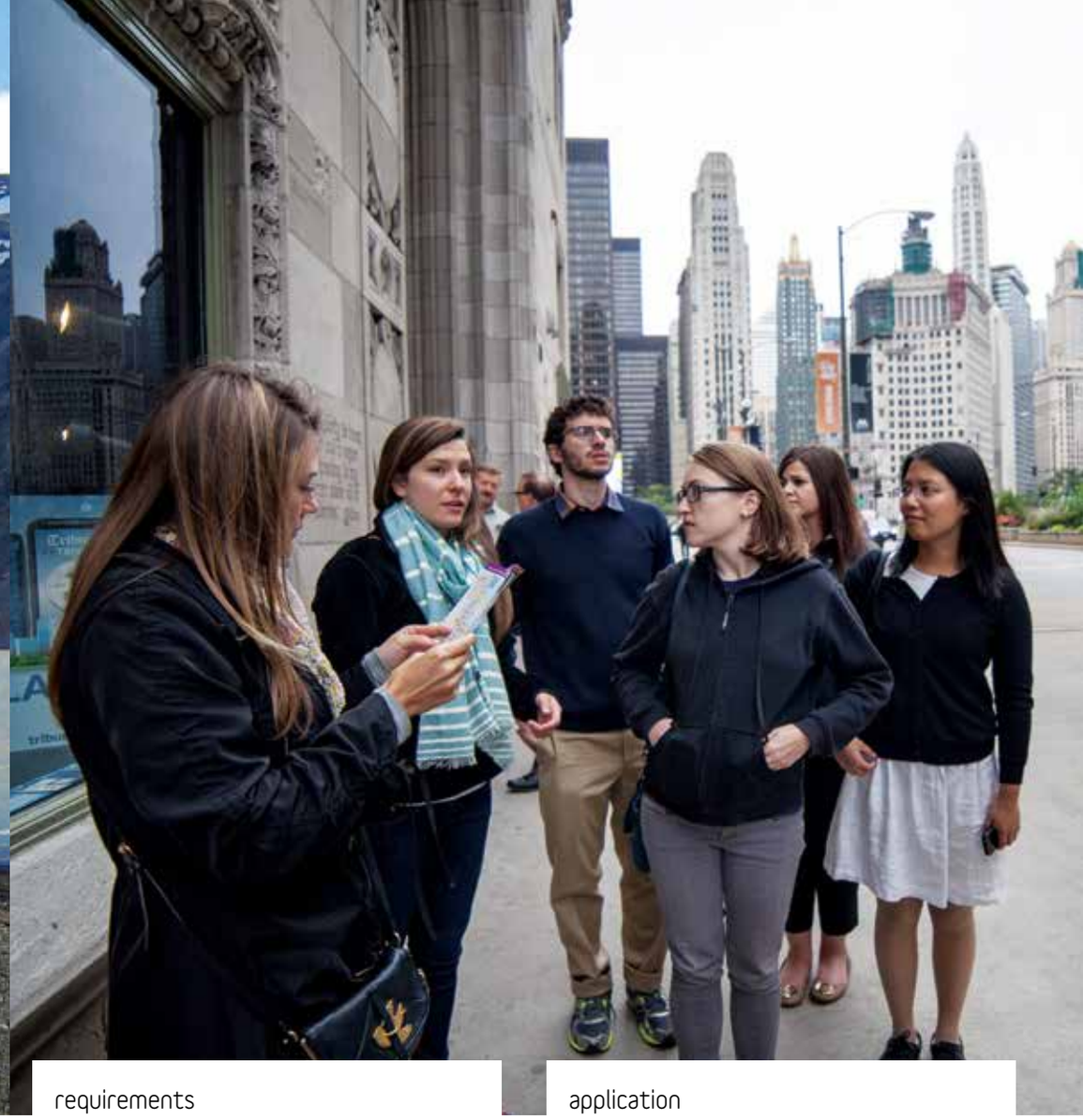
Planning is a systematic, creative approach to addressing social, physical, and economic problems. By studying the interconnections between the various forces that shape places and the quality of life, planners identify problems and opportunities, devise alternative policies, analyze and implement these options, and evaluate implemented designs.

Urban planners are found throughout the public, private, and nonprofit sectors. You will find alumni of Michigan's Urban and Regional Planning Program working in community development corporations, planning consulting firms, metropolitan planning organizations, international development entities, advocacy groups, municipal government, educational institutions, environmental agencies, land trusts, real-estate development firms, transit agencies, nonprofit think tanks, downtown development organizations, state agencies, federal agencies, and more. Urban planning graduates also serve as elected public officials at various levels around the country.

Common to work in all these settings is a concern for the quality of life in places, and a professional commitment to improving both human settlements and the public and private processes that shape their development. Taubman College is seeking newly graduating students and those with postgraduate experience to join our program.

Taubman College offers two degrees: a Master of Urban Planning and a Ph.D. in Urban and Regional Planning.





Planning students on a spring travel studio course in Iceland [left] Expanded Horizons explore Chicago [right]

master of urban planning

The Master of Urban Planning (M.U.P.) degree offers professional education in the planning field. Graduates apply their professional skills in various government agencies, private enterprises, or nonprofit organizations within a variety of subject areas.

Graduate education at Taubman College emphasizes the development of students' abilities to analyze, evaluate, integrate, and apply critical thinking in interdisciplinary planning processes. The course of study normally requires two years (four terms/full-time) for completion.

The M.U.P. degree, which is formally accredited through the American Planning Association and the Association of Collegiate Schools of Planning, takes a broad view of the scope of urban and regional planning. The core courses, about one-third of the credits, provide background for all areas of planning.

Concentrations include: Land Use and Environmental Planning; Housing, Community, and Economic Development; Global and Comparative Planning; Physical Planning and Design; and Transportation Planning.

requirements

M.U.P. requirements (48 credits)
1 statistics course (3 credits)*
1 economics course (3 credits)*
1 theory course (3 credits)
1 quantitative methods course (3 credits)
1 law course (3 credits)
1 fiscal planning course (2-3 credits)
1 planning practice course (3 credits)
3-4 concentration courses (9-12 credits)
2 cognate courses (4 credits)
3-4 elective courses (8-9 credits)
1 capstone course (6 credits)

*These courses may be waived with appropriate prior coursework.

application

The Rackham Graduate School awards the Master of Urban Planning degree. Therefore, applicants are required to complete the online Rackham Graduate School admissions application. Admission is limited to fall term only.

Please visit taubmancollege.umich.edu/applyplanning for detailed information about the M.U.P. degree requirements, application instructions, to schedule a visit, and to view sample schedules and course descriptions.

M.U.P. students building a hoophouse at Foodshed Farm in Bath, MI [top] M.U.P. studio review [below]

"Planning in a 'Post-Racial' Society" symposium [top] M.U.P. capstone project in the Philippines [below]

Ph.D. in urban planning

The Ph.D. in Urban and Regional Planning trains scholars for careers in higher education, research, and high-level policy positions. It is a doctoral degree with a flexible, interdisciplinary focus. Graduates work in universities, government, nonprofits, and the private sector in the U.S. and around the world. The curriculum integrates analytical methods, research design, a rigorous understanding of urbanization dynamics, and an examination of broader social theories, processes, and policies. Students address complex systems that typically encompass an array of spatial, environmental, social, political, technical, and economic factors. The emphasis is on theory, analysis, and action. Each student is also expected to demonstrate an understanding of the literature, theory, and research in a specialized area within the larger discipline of urban and regional planning.

Doctoral students specialize in a wide range of possible topics. Recent students have engaged in subjects as diverse as the political economy of public transit, inner-city revitalization, global city urbanization, information technology and cyberspace, the crisis of modernist urbanism, suburbanization in developing countries, regional planning institutions, the effects of environmental contamination on patterns of urban and regional development, the culture of suburban commuting, the impact of tourism on historical Mediterranean cities, and the application of complex systems analysis to sustainable development.

The Rackham Graduate School awards the Ph.D. in Urban and Regional Planning degree. Applicants are required to complete the online Rackham Graduate School admissions application.

application

Please visit taubmancollege.umich.edu/applyplanning for detailed information about the degree requirements, application instructions, to schedule a visit, and to view sample schedules and course descriptions.

TAUBMAN COLLEGE
architecture + urban planning

degrees

Master of Urban Planning (M.U.P.)
Doctor of Philosophy in Urban Planning (Ph.D.)

concentrations

Land Use and Environmental Planning

This concentration prepares planners to work toward the long-term environmental and social sustainability of land use. The concentration focuses on training students to better inform private and public decision making processes related to land development, especially within the context of the ongoing issues of urbanization and suburban sprawl.

Housing, Community, and Economic Development

This concentration teaches students how to plan housing, neighborhoods, and the economic well-being of a community and the larger region. The goals of the concentration are to inform students how to increase social and economic capital and improve the quality of life, particularly in low-income, minority, and other disadvantaged communities.

Global and Comparative Planning

This concentration helps students: examine the interconnected social, cultural, and political-economic processes that frame patterns of urban development and planning in the United States and abroad; creatively and critically analyze the design and implementation of planning initiatives from a comparative and global perspective; work effectively in multicultural settings; empower marginalized populations; and facilitate collaborative practice.

Physical Planning and Design

This concentration enables planning students to contribute to the design, function, and sustainability of our communities. In this concentration, students: visualize scale, density, and the physical dimensions of different built structures, transportation systems, and infrastructure requirements; learn how to review site plans; study design philosophies; and learn how community participation can enhance design.

Transportation Planning

The transportation planning concentration builds an interdisciplinary range of skills and perspectives including an understanding of transportation's societal roles, applied technical and evaluation skills, and historical uses and misuses of transportation techniques to help foster local and regional accessibility.

Students can also create their own concentration.
Visit taubmancollege.umich.edu/concentrations for more information, including course listings and a typical class schedule.

For more information, please visit:

taubmancollege.umich.edu/urbanplanning

Assistant Professor María Arquero de Alarcón's "Al Collar de los Gazules"

graduate certificate in real estate development

Urban Land Institute (ULI) Hines Student Urban Design Competition Houston presentation

First prize ULI Hines Student Urban Design Competition Seattle project detail

Rehabilitated historic Broderick Tower, downtown Detroit

graduate certificate in real estate development

Real estate development shapes our physical environment and, to a large extent, determines how we live, work, and play. It also affects energy consumption, global climate change, social relations and equity, public finance, foreign policy, capital markets, and personal and corporate wealth creation. Real estate became an important global financial asset class in the 1990s, joining stocks, bonds, and cash. And, as recent experience has shown, the collapse of a real estate bubble can cause a severe recession.

The Graduate Certificate in Real Estate Development is committed to an approach to developing real estate and the built environment in the U.S. and worldwide that offers alternatives to auto- oriented development. The curriculum provides background in creating places that are environmentally sustainable, socially equitable, and financially profitable. Students have numerous opportunities to interact with developers and to participate in activities outside classes that strengthen their professional background.

Effective developers need knowledge that spans numerous fields so the certificate recommends courses in several departments. Upon graduation, students are professionals equipped to become the place-makers of the next generation.

Students at the University of Michigan seek the certificate to complement their graduate study. Others, often already working in real estate development, supplement their backgrounds by obtaining the certificate without another degree.

application

Please visit taubmancollege.umich.edu/applyrealestate to learn more about the degree requirements and application instructions, to schedule a visit, and to view sample schedules and course descriptions.

TAUBMAN COLLEGE
architecture + urban planning

graduate certificate in real estate development

17 credit hours in the following areas:
An introductory real estate development overview (3 credits)
Real estate finance and investment (at least 3 credits)
Real estate and land use law (at least 3 credits)
Real estate in the urban development context (at least 3 credits)
Design and implementation (at least 3 credits)
The integrative seminar (2 credits)

Up to 8 credits may be double-counted with the credits for a master's degree or a Ph.D.

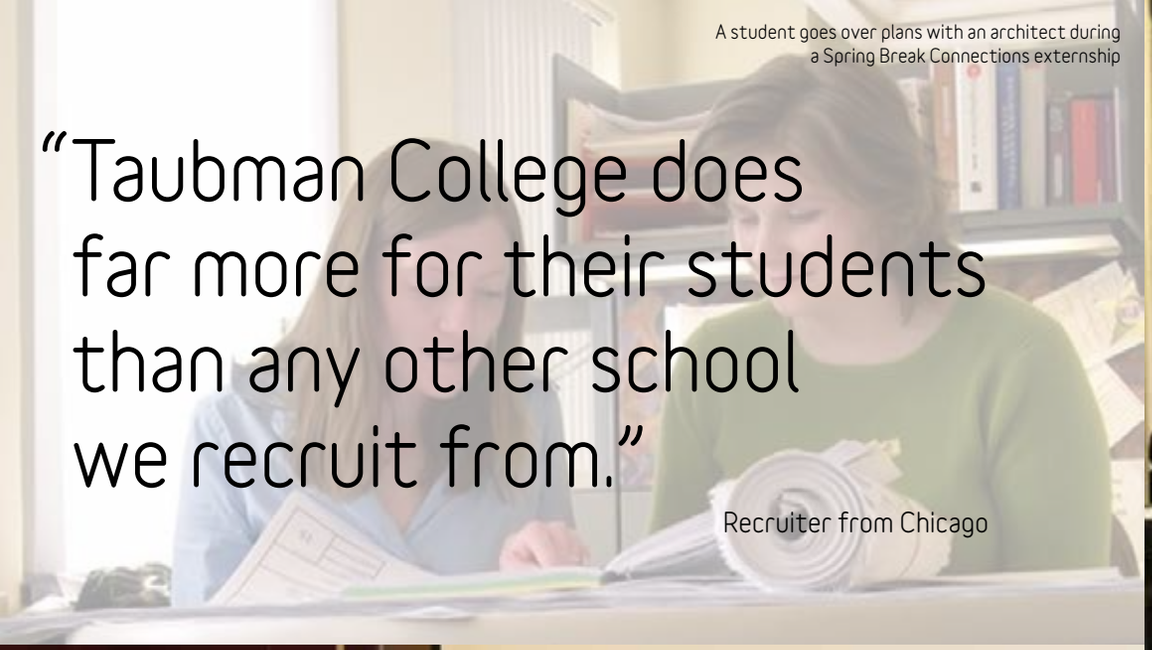
Due to real estate development's interdisciplinary nature, courses for the certificate come from the University of Michigan's business, law, urban and regional planning, natural resources and environment, landscape architecture, architecture, urban design, kinesiology, and engineering programs.

Detroit skyline seen from Belle Isle

For more information, please visit:

taubmancollege.umich.edu/realestate

career services



A student goes over plans with an architect during a Spring Break Connections externship

"Taubman College does far more for their students than any other school we recruit from."

Recruiter from Chicago

Students discuss their internship experiences at the M.U.P. Summer Internship Showcase

Employers go over a student's portfolio at the Career and Networking Fair

career services

The Career Services staff at Taubman College offer a variety of programs, services, and resources to assist students in exploring careers and securing internships and full-time positions. Employers of Taubman College graduates include public, private, and nonprofit organizations in the U.S. and abroad.

The college offers a series of workshops, alumni brown bag discussions, and career panels to assist students in developing job search skills, preparing for interviews, and exploring career options in architecture, design, and planning.

career and networking fair

Every spring, Taubman College hosts a career and networking fair to bring architecture, planning, and urban design students into contact with practicing professionals from across the country to exchange information about career opportunities.

The reputation of our programs attracts employers from all over the country to meet our excellent students. Employers may attend the networking and career fair or schedule an individual visit to meet, interview and/or discuss career opportunities with students from all degree programs.

spring break externships

Taubman College's Spring Break Connections externship program allows students to gain experience in a work environment while developing marketable real-world skills. Gaining hands-on experience in a specific field gives the students a deeper understanding of their intended profession.

This program is held during the week of spring break and is open to currently enrolled urban design, urban planning, upper-level undergraduate and all graduate architecture students. It provides a wonderful opportunity for students to shadow University of Michigan alumni or other professionals in the workplace, allowing them to apply their coursework and studio learning to a real-life setting. This knowledge helps prepare students for the transition from school to career.

More than 200 Taubman College students spent their 2014 spring break observing and working with professionals during the first week of March, hosted at firms or organizations in 25 cities in 19 states.

TAUBMAN COLLEGE
architecture + urban planning

spring break connections externship firms

To participate in the college's Spring Break Connections externship program, students ballot for specific firms or specific cities all over the country. An example of some firms who have recently hosted Taubman College students include:

AECOM, Chicago, IL
Architecture Research Office, New York, NY
Arquitectonica, Miami, FL
Baxt | Ingui Architects, P.C., New York, NY
Cannon Design, Washington, DC
Chicago Metropolitan Agency for Planning, Chicago, IL
City of Detroit Planning Commission, Detroit, MI
Cooper Carry, Washington, DC
Design, Community & Environment, Berkeley, CA
Diller Scofidio + Renfro, New York, NY
EHDD, San Francisco, CA
Farr Associates, Chicago, IL
Fentress, Denver, CO
Gensler, Chicago, IL
Hamilton Anderson, Detroit, MI
HKS Architects, Detroit, MI
KieranTimberlake, Philadelphia, PA
Kohn Pedersen Fox, New York, NY
LandVision, Chicago, IL
LSM, Washington, DC
Lorcan O'Herlihy Architects, Los Angeles, CA
LTL Architects, New York, NY
Morphosis Architects, Los Angeles, CA
NBBJ, Columbus, OH
Olson Kundig Architects, Seattle, WA
Payette, Boston, MA
Pei Cobb Freed & Partners, New York, NY
Perkins + Will, New York, NY
Perkins Eastman, New York, NY
Quinn Evans Architects, Ann Arbor, MI
RTKL, Chicago, IL
Safdie Architects, Boston, MA
SHoP, New York, NY
SmithGroupJJR, San Francisco, CA
SOM, San Francisco, CA
Studio Daniel Libeskind, New York, NY
Studio Gang Architects, Chicago, IL
Tate Snyder Kimsey Architects, Los Angeles, CA
Valerio Dewalt Train, Chicago, IL
WXY Architecture + Urban Design, New York, NY
ZGF, Portland, OR

For more information, please visit:

taubmancollege.umich.edu/careerservices

Students and recruiters at the Career and Networking Fair

events

Clip/Stamp/Fold Exhibition and "Talk-Show," Liberty Research Annex

Research on the City Exhibition, Liberty Research Annex

Future of Urbanism Conference at Rackham Auditorium

taubman college events
taubmancollege.umich.edu/events

Taubman College provides access to international experts, interdisciplinary events, and unique programming hosted by more than 40 colleges and centers across the U-M campus. In formats as varied as conferences and lectures to workshops and intimate conversations, the college hosts leading practitioners and theorists in architecture and urban planning who enrich the classroom experience and provide unique perspective.

lectures
taubmancollege.umich.edu/lectures

Taubman College broadens the conversation about architecture, urbanism, and design by inviting renowned scholars, esteemed architects and designers, and experts from other disciplines with a vested interest in the built environment to lecture and critique student work. Over a dozen lectures are held each term and are generally given in the college auditorium on Friday evenings.

conferences/symposia
taubmancollege.umich.edu/specialevents

The college hosts major conferences that bring together national and international architects, planners, designers, theorists, and experts from other disciplines to explore issues of college-wide interest. Faculty and students also plan symposia, conferences, and events during the course of each term on special topics related to architecture and urban planning.

exhibitions
taubmancollege.umich.edu/exhibitions

Taubman College has two exhibition galleries, one in the Art and Architecture Building and one at the Liberty Research Annex in downtown Ann Arbor. The program of 10 to 12 changing exhibitions per academic year showcases research projects by faculty, student degree work, and explorations of new ideas about architecture and planning from outside individuals and institutions.

TAUBMAN COLLEGE
architecture + urban planning

recent lecturers

Michelle Addington
David Adjaye
Lucia Allais
Stan Allen
Amale Andraos
Paola Antonelli
Alexandro Aravena
Rachel Armstrong
George Baird
Cecil Balmond
Julie Bargmann
Henco Bekkering
David Belt
Alan Berger
Ila Berman
Marlon Blackwell
Julian Bleecker
Benjamin Bratton
Marshall Brown
Will Bruder
Stephen Burks
Ingrid Carlberg
Majora Carter
Francis D.K. (Frank) Ching
Preston Scott Cohen
Shane Coen
John Comazzi
Maurice Cox
Ned Cramer
Teddy Cruz
Dana Cuff
Julia Czerniak
Michael Dear
Odile Decq
Xaveer de Geyter
Neil Denari
Alexander D'Hooghe
Elizabeth Diller
Michele Oka Doner
Evan Douglis
Ellen Dunham-Jones
Sarah Dunn
Anna Dyson
Keller Easterling
Peter Eisenman
Rodophe el-Khoury
Karen Fairbanks
Liza Fior
Kristina Ford
John Forester
Mark Foster Gage
Timur Galen
Peter Galison
Todd Gannon
Christine Gaspar
Theaster Gates
Michael Graves
Toni Griffin
Laurent Gutierez
Jefferson Han
Hou Hanru
K. Michael Hays
Walter Hood
Timothy Hyde
Bjarke Ingels
Lisa Iwamoto
Jonathan Jackson and
Sarah Nelson Jackson
Sam Jacob
Casey Jones
Eric Kahn
Marcy Kaptur
Sheila Kennedy
Bernard Khoury
Jeffrey Kipnis
Leon Krier
Peter Lagerwey
Jimenez Lai
Sean Lally
Sylvia Lavin
George L. Legendre
Sze Tsung Leong
David Leopold
Panos Leventis
Robert Levit
Paul Lewis
Ellen Lupton
Greg Lynn
Winy Maas
John Macarthur
Rodolfo Machado
Jeffrey Mackie-Mason
Michael Manfredi
Thom Mayne
Michael Meredith
Sigi Moeslinger
Curtis Moody
Eric Owen Moss
Farshid Moussavi
Regina Myer
Ben Nicholson
Guy Nordenson
John Ochsendorf
José Oubrerie
Gregg Pasquarelli
Antoine Picon
Albert Pope
Michael Pride
Jesse Reiser
Heather Roberge
Francois Roche
Fernando Romero
Joseph Rosa
Evan Roth
Hilary Sample
Saskia Sasson
Ashley Schafer
David and Im Schafer
Terry Schwartz
Mack Scogan and
Merrill Elam
Craig Scott
Richard Sennett
Eric Sheppard
Lola Sheppard
Roger Sherman
Shohei Shigematsu
Mitchell Silver
Bjørn Sletto
Ken Smith
Julie Snow
Edward Soja
Robert Somol
Michael Speaks
Bruce Sterling
Margaret Gould Stewart
Susan Szenasy
Benedetta Tagliabue
Georgeen Theodore
Marc Tsurumaki
Sanjeev Vidyarthi
Peter Waldman
Alexandros Washburn
Sarah Whiting
June Williamson
Mabel Wilson
Laura Wolf-Powers
Dan Wood
Adam Yarinksy
Meejin Yoon
Alejandro Zaera-Polo
Andrew Zago

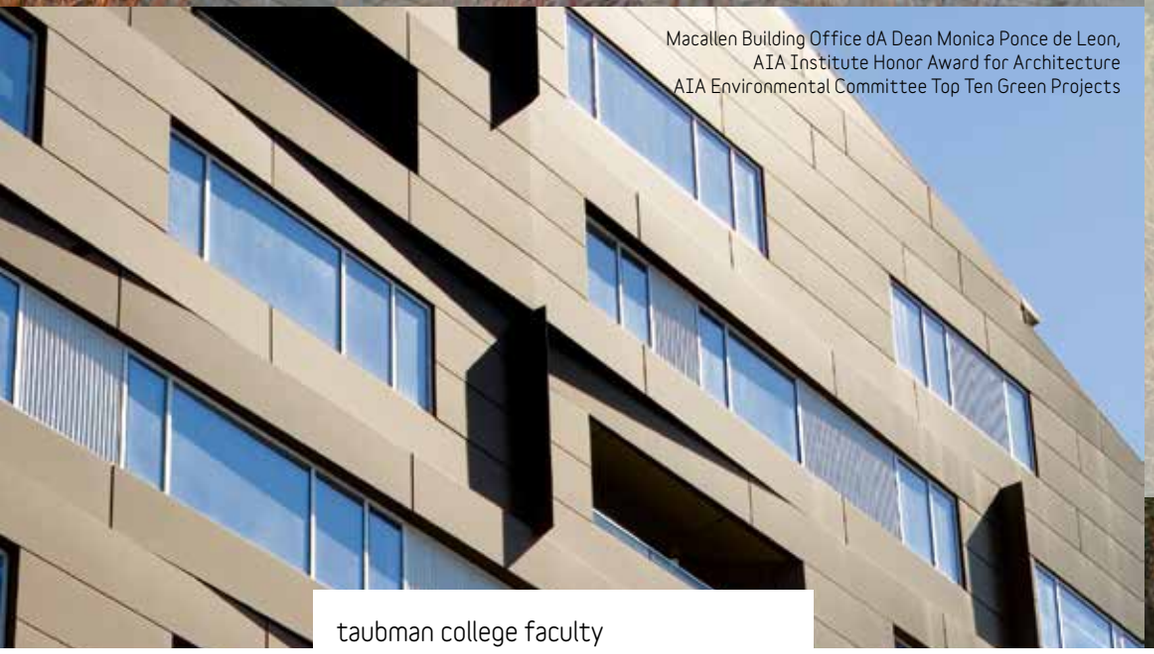
Possible Mediums exhibition and workshop,
Taubman College Liberty Research Annex exhibition space

Taubman College Event Supporters:
Benard L. Maas Foundation, Guido A. Binda Lecture and Exhibition Fund, John Dinkeloo Memorial Lecture Fund, Raoul Wallenberg Lecture Fund, Frances and Gilbert P. Schafer Visiting Professionals Fund, J. Robert Swanson Fund, Taubman College Enrichment and Lecture Funds

faculty

North House "Team North" led by faculty members Geoffrey Thün and Kathy Velikov: 4th place in Solar Decathlon Washington D.C. Architect Magazine R+D Award

Shadow Pavilion Research Through Making Project PLY faculty member Karl Daubmann 2010 AIA Small Projects Award Architect Magazine R+D Award



Macallen Building Office dA Dean Monica Ponce de Leon, AIA Institute Honor Award for Architecture AIA Environmental Committee Top Ten Green Projects

The faculty members are a diverse group with a broad range of expertise who express as much concern about what happens outside the school walls as inside them.

taubman college faculty

Dean:
Monica Ponce de Leon

Associate Dean Academic Affairs:
Milton S.F. Curry

Associate Dean Research:
Geoffrey Thün

Architecture Chair:
Sharon Haar

Urban and Regional Planning Chair:
Richard K. Norton

Ellie Abrons
Robert Adams
Sean Ahlquist
Peter Allen
María Arquero de Alarcón
David Bieri
Craig Borum
Scott Campbell
Jim Chaffers
Barry N. Checkoway
McLain Clutter
Milton S.F. Curry
Philip D'Anieri
Karl Daubmann
Matias del Campo
Lan Deng
Margaret Dewar
Eric Dueweke
Harley Etienne
Britt Eversole
Robert Fishman
Adam Fure
Harry Giles
Dawn Gilpin
Will Glover
Robert Goodspeed
Lars Gräbner
Joe Grengs
Linda Groat
Sharon Haar
Christina Hansen
Jennifer Harmon
A. Melissa Harris
Andrew Herscher
Eric Hill
Lesli Hoey
Andrew Holder
El Hadi Jazairy
Lars Junghans
Jeffrey Kahan
Douglas Kelbaugh
Michael Kennedy
Jong-Jin Kim
Kimberly Kinder
Lucas Kirkpatrick
Joy Knoblauch
Jaffer Kolb
Lidia Kostyniuk
Amy Kulper
Perry Kulper
Larissa Larsen
Matthew Lassiter
Jonathan Levine
Farzin Lotfi-Jam
Jen Maigret
Steven Mankouche
Sandra Manninger
John Marshall
Kit McCullough
Malcolm McCullough
V. Mitch McEwen
Wesley McGee
John McMorrough
Julia McMorrough
Dan McTavish
Meredith Miller
Keith Mitnick
Thomas Moran
Ana Morcillo Pallarés
Monica Ponce de Leon
Martin Murray
Mojtaba Navvab
Cathlyn Newell
Richard K. Norton
Tsz Yan Ng
Evan Pratt
Mary-Ann Ray
Neal Robinson
Mireille Roddier
Jonathan Rule
Gregory Saldaña
Joel Schmidt
Anya Sirota
Liz Skrisson
Lydia Soo
Julie Steiff
Roy Strickland
Jono Bentley Sturt
James Michael Tate
David Thacher
Clark Thenhaus
June Manning Thomas
Geoffrey Thün
Anca Trandafirescu
Christian Unverzagt
U. Sean Vance
Kathy Velikov
Peter von Bülow
Ana Paula Pimentel Walker
Claudia Wigger
Glenn Wilcox
Craig Wilkins
Jean Wineman
Claire Zimmerman

TAUBMAN COLLEGE
architecture + urban planning

recent visiting critics

Emily Abruzzo
Azra Aksamija
Hansy Better Barraza
Tom Barrie
Pierre Bellanger
Stella Betts
Laura Bouwman
Benjamin Bratton
Marshall Brown
Michael Cadwell
Jennifer Newsom Carruthers
Nat Chard
Raveerarn Choksombatchai
Steven Christensen
Brandon Clifford
Joshua R. Coggeshall
John Comazzi
Christopher Cooper
Lise Anne Couture
Dana Cuff
Peggy Deamer
Daniel D'Oca
Evan Douglis
Gauthier Douglas
Winka Dubbledam
Ed Eigen
Alexander Eisenschmidt
Merril Elam
Danielle Etzler
Karen Fairbanks
Matthew Farris
Mike Ferguson
Jeremy Ficca
Dawn Finley
Julie Flohr
Michael Fox
Elie Gamburg
Reto Geiser
Bina Gogineni
Mario Gooden
Urtzi Grau
Ellen Grimes
Robin Guenther
Alec Hathaway
Laurie Hawkinson
Nina Hofer
Alicia Imperiale
Sandy Isenstadt
Kathleen Johnson
Casey Jones
Sung Ho Kim
Ferda Kolatan
Reed Kroloff
Michael Kubo
Nana Last
Annie Lebel
Jesse LeCavalier
Robert Levit
Karen Lewis
Mark Linder
Robert Livesey
Fabian Llonch
Chip Lord
James Lowder
Brad Lynch
Christos Marcopoulos
Sandro Marpillero
Jonathan Massey
John May
Mike McKay
Michael Meredith
Kyle Miller
Laura Miller
Andrew Moddrell
Kiel Moe
Daniel Mollet
Brendan Moran
Anthony Mosellie
Carol Moukheiber
Anne Munly
Ryan Neiheiser
Ben Nicholson
Joan Ockman
Eric Olsen
Lluis Ortega
Jinhee Park
Allen Peng
Brady Peters
Alessandra Ponte
Paul Preissner
Sasa Radulovic
Enrique Ramirez
Gina Reichert
Noah Resnick
Jeana Ripple
Bryony Roberts
Chris Romano
John Ronan
David Ruy
Raymund Ryan
Hilary Sample
Larry Scarpa
Ashley Schafer
Fred Scharmen
Mohamed Sharif
Lola Sheppard
Bill Sherman
Roger Sherman
Karla Sierralta
Bob Somol
Kyle Steinfeld
Kyle Sturgeon
Mitchell Squire
Lis Swanson
James Tate
Paulo Carvalho Tavares
Zenovia Toloudi
Neyran Turan
Keith VanDerSys
Leslie Van Duzer
Peter Waldman
Mark Wasiuta
Mason White
Will Wittig
Andrew Zago

Assistant Professor of Architecture Anya Sirota's "The Beta Movement"

For more information please visit:

taubmancollege.umich.edu/faculty

fellowships

Former Taubman Fellow Christian Stayner's "12 Land Forms"

Former Taubman Fellow Rosalyne Shieh's "About-Face" installation in "Five Fellows: Full Scale"

fellowships

Taubman College of Architecture and Urban Planning at the University of Michigan offers fellowships in the areas of architectural research, creative practice, design instruction, and social justice. Each of the fellowships includes teaching related to the individual's areas of interest, resources for the development of work, and an opportunity to share the outcome of the fellowship with the school at the end of the year.

design / muschenheim fellowship
The Muschenheim Fellowship is aimed toward design instructors early in their careers and offers them the opportunity to develop a body of work in the context of teaching. Muschenheim Fellows play a significant role in the definition of studio culture while pursuing their own creative endeavors. Proposals for the Muschenheim Fellowship focus upon the development of a specific project individually or with students outside of teaching, or center upon a particular set of pedagogical themes to be engaged in the studio context.

project / oberdick fellowship
The Oberdick Fellowship explores an aspect of architectural speculation and production. Fellows are provided with resources for the execution of a project that may take the form of a publication, installation, or any other material construction. Projects may range from the exploration of emergent building, fabrication, and environmental technologies to the realization of architectural works and endeavors typically unsupported within conventional models of practice.

research / sanders fellowship
The Sanders Fellowship supports individuals with significant, compelling, and timely research dealing with architectural issues. Research could focus on architectural, urban, landscape, cultural history or theory; architectural or environmental technology; or design studies. These agendas could emerge from recently completed doctoral dissertations or other intense and rigorous research formats. The fellowship will support both research and the development of research-related curriculum.

sojourner truth fellowship
This position is intended to recruit scholars who will bring issues of race and ethnicity into teaching and research in any substantive area related to urban and regional planning for a semester or an academic year. Professors on sabbatical, faculty beginning teaching careers, students who are writing dissertations, reflective practitioners, and individuals at any other stages of their careers are invited to apply. Applicants should have interest in educating both professionally oriented students and future scholars and are expected to be committed to scholarly and/or creative and professional work.

metropolitan detroit fellows
Four to six recent alumni from Taubman College's architecture program are selected as fellows each year to conduct research on metropolitan Detroit and to be instructional faculty in an intensive program in architecture and design for high school students. Based in midtown Detroit, fellows divide time between research and teaching, and are expected to participate in monthly colloquia with their peers and engage with the local intellectual community. Research proposals must address urban and/or architectural issues related to metropolitan Detroit, may be speculative or applied, and may relate to larger issues of post-industrialization, class, politics, and urbanization.

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former fellows

Ellie Abrons
Nadia Al Hasani
Dean J. Almy
Sandy Attia
Laura Auerbach
James Bassett
Adrian Blackwell
Craig Borum
Laura M. Briggs
Luke Bulman
David Cabianca
Yung Ho Chang
Elgin Cleckley
Lise Anne Couture
Gia Daskalakis
Karl Daubmann
Leigha Dennis
G. Britt Eversole
Janet Rose Fink
Yasser El Gabry
Pablo R. Garcia
Nataly Gattegno
Reto Geiser
Jonas Hauptman
Robert Henry
R. Thomas Hille
Andrew Holder
Irene Hwang
Nahyun Hwang
Olivia Hyde
Lisa Iwamoto
Kristine Synnes Jepsen
Jason Kelly Johnson
Kent Kleinman
Roland Koeb
Jesse LeCavalier
Gloria Lee
Farzin Lotfi-Jam
James Macgillivray
Ali Malkawi
Steven Mankouche
Alexander Maymind
Mary McAuliffe
Karen M'Closkey
Michael Meredith
Meredith Miller
Keith Mitnick
Thomas Moran
Oliver Neumann
Cathlyn Newell
Tsz Yan Ng
Eric William Olsen
Randall Ott
Kelly Quinn
Kyle Reynolds
Patrick Rhodes
Gloria Robinson
Mireille Roddier
Juan Manuel Rois
Marili Santos-Munné
Rosalyne Shieh
Martin Schwartz
Martha Skinner
Sujata Shetty
Michael Silver
Christian Stayner
Despina Stratigakos
Ian F. Taberner
Clark Thenhaus
Anca Trandafirescu
Etienne Turpin
Kathy Velikov
Avis Vidal
Charles Waldheim
Charles Warren
Catherine Wetzel
Glenn Wilcox
Craig Wilkins
Michael Witte
Will Wittig
Adam Yarinsky

Assistant Professor and former Oberdick Fellow
Catie Newell's "Salvaged Landscape" installation in Detroit

For more information, please visit:

taubmancollege.umich.edu/fellowships

experience: student life


Study break with U-M "Paws for a Cause"


MLK Symposium


Nickels Arcade


Detroit Institute of Arts


Courtyard picnic at the Art and Architecture Building


Computer science class visits Taubman College

Michigan Theater


Nighttime lights festival, DLECTRICITY


Taubman College studio space


Taubman Ten Celebration at the U-M Museum of Art


Ann Arbor Farmer's Market in Kerrytown


"Bloomtown" in Detroit

taubman college

Taubman College provides an outstanding academic environment and fosters a community of students, practitioners, academics, and researchers who share the ideal that architecture, planning, and design play a critical role in shaping the future of our planet. Members of Taubman College come together for events, lectures, social gatherings, and for many, the college becomes a family and a home.

university of michigan

Being a part of Taubman College means you are also part of the larger University of Michigan community. With 19 schools and colleges, over 20 libraries, 220+ degree programs, and one of the world's largest population of living alumni, U-M provides an excellent forum for interdisciplinary research and collaboration. Taubman College utilizes Michigan's excellent and wide-ranging facilities for a variety of academic and social purposes.

ann arbor

Ann Arbor is a vibrant and cultured city of about 116,000 people. The city sponsors a variety of events and festivals throughout the year, notably the Ann Arbor Folk Festival, the Ann Arbor Film Festival, and the Ann Arbor Art Fair (the largest in the midwest). Local activities include kayaking on the Huron River, taking in a movie at the majestic Michigan Theatre, eating at the famous Zingerman's Deli, and visiting shops and restaurants on bustling Main Street.

detroit

Detroit provides a great collection of cultural and entertainment attractions including the Detroit Institute of Arts, Comerica Park, and the Detroit Zoo. But perhaps more significantly it provides a design lab for students and faculty alike. Studios often use Detroit as a site for projects exploring urban revitalization strategies, re-use, urban farming, and to create full-scale installations.

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must sees before graduation

Ann Arbor
maya lin's wave field
dke shant building
the big house
school of music, theatre & dance building
fleetwood diner
the arb
grad stacks
top of the park

Detroit
corktown
michigan theater
windsor, canada, little italy (to the south!)
eastern market
the guardian building united with one woodward
traffic jam & snug

Michigan
hamtramck
the soo locks
hell, mi
au sable river
lake michigan (in january)
the thumb
paradise, mi

United States
the capitol
the rust belt
the sprawling west
the bible belt
the shrinking core
the middle

For more information, please visit:

taubmancollege.umich.edu

Hill Auditorium

technology

Professor Craig Borum's "Storm Glass"

Assistant Professors Anca Trandafirescu and Glenn Wilcox's "C-Lith"

Assistant Professor María Arquero de Alarcón's "Networked Urbanisms: The Train as Backbone of the Territory"

Dean Monica Ponce de Leon and Lecturer Gregory Saldaña's "Michigan Modern: Design that Shaped America" exhibition

SAND lab

taubmancollege.umich.edu/sandlab

The University Library's Spatial and Numeric Data Services (SAND) Lab provides assistance with searching for, working with, and managing spatial data, and provides resources for more effective use of Geographic Information Systems (GIS) technologies. Geospatial data and GIS tools are critical to understanding the complexity of the built and natural environments.

digital fabrication lab

taubmancollege.umich.edu/fablab

The Digital Fabrication Lab (FABLab) leverages state-of-the-art industrial technology to perform architectural research. Taubman College is the leading architecture institution utilizing cooperative robotic automation to perform subtractive machining, additive fabrication, forming, and automated-assembly processes. These technologies only recently garnered the attention of the architectural fabrication industry. The FABLab's world-class resources include: Five **6+ axis robotic systems** for additive, subtractive, forming, and assembly research; two **3-axis** and one **5-axis CNC Routers** that machine wood, foam, or aluminum based on a digital model; two **CNC Mills** that machine metals, including stainless and aluminum, manually or using CAM software; **CNC Waterjet** that cuts 2-dimensional profiles from sheets of material; **Zund Knife Cutter** that cuts through fabric, plastic, and paper; **3D Digitizer** that allows one to generate points in a digital modeling program based off a physical model; five **3D printers**, both ABS and plaster based, allowing rapid prototyping directly from 3D models; and a **Stoll knitting machine**.

wood shop and metals lab

The Wood Shop is a fully-equipped, 6,000 square-foot facility that also houses plastics and metal working equipment and CAD-driven laser cutters for wood, paper, and plastics. The Metals Lab provides tools, equipment, training, and workspace for projects involving sheet metals and steel structural sections. MIG (metal inert gas) welding stations, metal shears, and brakes, as well as cutting and bending equipment are available. The Metals Lab allows for a range of fabrication in support of studio and thesis work, research, and design-build projects.

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computing environment

Taubman College maintains a computing environment in which information technology is easily accessible and available to students. The college's ubiquitous software deployment allows students access to software any time they are in the building.

other resources

Computing: 62 lab computers, multiple self-service printers and scanners, high-speed wireless access throughout the building

Art + Architecture Shop: 32 woodworking tools, 8 metalworking machines, 2 vacuum formers, outdoor staging space

Media Center: 7 plotters, 1 color printer, 1 black and white printer, 1 black and white KIP oversize printer, bindery, guillotine stack cutter, large format scanner

LaserCAMM Facility: 5 laser cutters

Duderstadt Center/Library: 600,000+ printed volumes, over 250 architecture-related journal subscriptions, 400 computers, wireless, audio and video labs, open 24/7

Staff: The facilities have professional staff that oversee and guide the work that occurs within the shops and labs. Training programs are available for students.

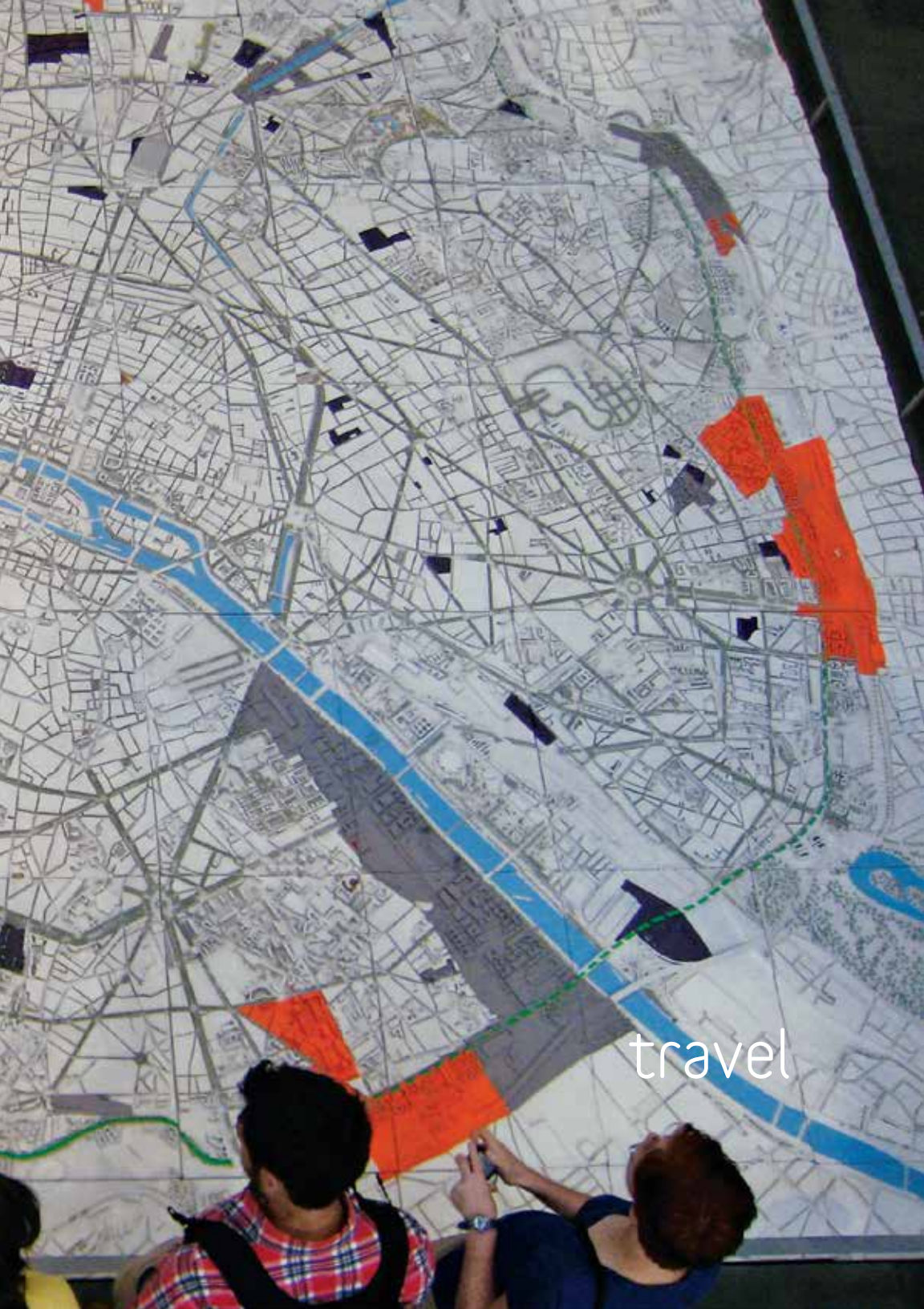
Tutorials: Some trainings are available online: taubmancollege.umich.edu/tutorials

Hours: Shop and media center hours extend into the evenings and the weekend for students' convenience. The college has laser cutters and 3-D printers available in studio for student use 24-7.

Taubman College's digital FABLab features a seven-axis robot for subtractive and additive fabrication processes

For more information, please visit:

taubmancollege.umich.edu/resources



travel

travel on five continents

A student examines a woven prototype in Guatemala [top]
Japan studio visit to the Inari Shrine in Kyoto [below]

Students on a glacier in Iceland's South Coast [top]
Student with Ghanaian youth [below]

International elective courses are an essential part of Taubman College, granting students the opportunity to visit other countries while gaining access to facilities, groups, and individuals that might otherwise be closed to them. Travel courses complement the core curriculum, situating course content within a global context. The college has established partnerships with other programs around the world in order to promote a global cross-cultural exchange.

Recognized by the University of Michigan as a leader in offering travel opportunities abroad to students, the college offers travel opportunities to Africa, Europe, North and South America, and Asia. Professors also incorporate international experiences into the curriculum with travel to countries across the world. Students interested in other travel-related study are able to pursue them through other U-M schools and colleges. (www.globalportal.umich.edu)

This diversity of interests leads students not just to the traditional locations of Europe, but to the villages and global cities of the developing world. Courses provide exciting and unique educational, research, and service opportunities. Elective courses vary each year with faculty research interests, contacts, and topics that mandate immersion experience. International courses are available during the spring half term to all undergraduate and graduate students.

Taubman College's elective travel courses are respected as some of the most diverse international course offerings by any U.S. design institution.

To learn more and read travel course blogs, visit www.taubmancollege.umich.edu/travel.

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recent international travel course countries

Albania
Argentina
Brazil
China
Croatia
Denmark
Ecuador
Egypt
England
Finland
France
Germany
Ghana
Greece
Guatemala
Holland
Iceland
India
Indonesia
Iceland
Ireland
Italy
Japan
Mexico
Morocco
Netherlands
Norway
Russia
Scotland
Singapore
South Africa
Spain
Sweden
Switzerland
Taiwan
Thailand
Turkey
United Kingdom
Vietnam

Taubman College has many resources to support student travel including: Guido and Elizabeth Binda Travel Awards; Booth Traveling Fellows International Studio Fund; Virginia R. and H. Sanborn Brown Travel Prize Fund; Centennial Travel Fund; and Gordon Euker Scholarship for International Study/Travel.

For more information, please visit:

taubmancollege.umich.edu/travel

Assistant Professor Anya Sirota with students in Paris, Meta Friche course