bachelor of science in architecture (B.S.)
The study of architecture at Taubman College combines exposure to a variety of experiences with the development of deep expertise.”

John McMorrough, Architecture Program Chair

The 120 credit-hour undergraduate architecture curriculum culminates in a pre-professional bachelor of science degree (B.S.) in Architecture. Through design studios and constructions projects, students develop the skills to design for the built environment.

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 degree program in architecture or a related field, including landscape architecture, engineering, art, construction, urban planning, urban design, or historic preservation. Others find opportunities with architecture firms or in other design-related occupations. Still others use the degree as a springboard for creative work in unrelated fields.

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 diverse student body with students from around the world, and a 12:1 student to faculty ratio.

In the first two years, students will engage in the study of liberal arts in addition to architecture, giving them a broad educational experience and forming critical connections between various areas of study. The last two years, students focus on architecture core courses such as design, representation, construction, structures, environmental sciences, and architectural history. The curriculum reinforces analytical and conceptual problem-solving skills with interactive studies, lectures, and seminars. Taubman College students understand the nature of complex design, 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.
Assistant Professor El Hadi Jazairy reviews student work

Student Patrick Brinnehl's "[Active] Graphic"

Prospective students who have not yet attended any institution of higher education after high school graduation and are able to show a demonstrated interest in architecture should apply as a freshman to Taubman College. 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.

**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.

Applicants are advised to take the following subjects for the specified duration in high school to put them in the best possible position to apply to the University of Michigan:

- English (4 years)
- Mathematics (3 years)
- Science (3 years)
- Social science (3 years)
- Foreign language (2 years)

Recommended additional courses (if available):
- Studio art (drawing, painting, sculpture, ceramics, woodworking, printmaking, photography, 2-D design, 3-D design, metalworking, etc.)
- Architecture
- AutoCAD or hand drafting

**deadline**
The application deadline for freshman is February 1st annually, however applicants are admitted on rolling basis, therefore, it is advisable that applicants apply earlier in the process. The application is available August 1st. Admission is limited to fall term only. A portfolio/design assignment is highly recommended.
The cross-campus path is designed for students that have identified architecture as one of several areas of interest they would like to investigate. Students interested in architecture and other disciplines or who lack previous experience in visual arts and/or fabrication are advised to apply to the College of Literature, Science, and the Arts (LS&A) as a freshman.

The first two years of study focus on completing prerequisite courses, exploring their interest in architecture and other fields to help them finalize a direction of study. It is possible to enroll in other schools such as Art & Design, the College of Engineering, or the School of Music, Theatre, and Dance, but the structure of those curriculums makes completing prerequisite courses for architecture more difficult. Before beginning junior year, applicants must complete 60-70 credit hours of prerequisite courses. Cross-campus transfer students must apply to Taubman College, usually during winter term of their sophomore year, to begin intensive architecture study junior year.

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. Before 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 reverse side of brochure for requirements. Transfer guides are available at taubmancollege.umich.edu/architecture/programs/bachelor_science/transfers/transfer_guides/.

New transfer applicants enroll in a series of courses at another institution, comparable to pre-requisites at the University of Michigan. 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 within Taubman College. New transfer students must apply to Taubman College, usually during winter term of their sophomore year, to begin intensive architecture study junior year. Admission is limited to the summer half term only in order to facilitate a smooth transition to the Taubman College studio culture.

Cross-Campus Transfer Applicants

The cross-campus path is designed for students that have identified architecture as one of several areas of interest they would like to investigate. Students interested in architecture and other disciplines or who lack previous experience in visual arts and/or fabrication are advised to apply to the College of Literature, Science, and the Arts (LS&A) as a freshman.

The application deadline for cross-campus transfer applicants is February 1st annually. The application is available August 1st. Admission is limited to fall term only. A portfolio of visual work is required; the annual portfolio deadline is March 10th.

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. Before 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 reverse side of brochure for requirements. Transfer guides are available at taubmancollege.umich.edu/architecture/programs/bachelor_science/transfers/transfer_guides/.

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New Transfer Applicants

The application deadline for new transfer applicants is February 1st annually. The application is available August 1st. Admission is limited to summer half term, only. A portfolio of visual work is required; the annual portfolio deadline is March 10th.
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 introductory architecture survey courses
(6 credits) - freshman admits only
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/applyarchitecture
for more detailed information about our undergraduate
architecture degree, application instructions, to schedule
a visit, or to register as a prospective student.

Questions? Please contact Taubman College Student Services
at taubmancollegestudentservices@umich.edu or
734-647-2187.

For more information, please visit:
taubmancollege.umich.edu/architecture/
programs/bachelor_science
master of architecture (M.Arch.)
Taubman College’s 2-year master of architecture is for applicants who hold a bachelor of science degree in architecture or its equivalent. While a curriculum of professional coursework forms the basis for the 60-credit-hour degree, 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.

The master of architecture degree is designed to prepare students to perceive the ordered relationship of people and their environment and to translate this order into design for the enrichment of human experience.

The application deadline for both the 2-year and 3-year master of architecture degrees is January 15th annually. 3-year master of architecture students begin coursework in late June and 2-year master of architecture students begin in the fall. Please visit taubmancollege.umich.edu/applyarchitecture for more detailed information about the 2-year and 3-year master of architecture requirements, application instructions, to schedule a visit, or view sample schedules and course descriptions.

Taubman College’s 3-year master of architecture 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.

Taubman College’s 2-year master of architecture is for applicants who hold a bachelor of science degree in architecture or its equivalent. While a curriculum of professional coursework forms the basis for the 60-credit-hour degree, 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. The master of architecture degree is designed to prepare students to perceive the ordered relationship of people and their environment and to translate this order into design for the enrichment of human experience.

"We provide the next generation of architects the conceptual and technical tools to build the future."

John McMorrough, Architecture Program Chair

Faculty Geoffrey Thun and María Arquero de Alarcón review student work

We provide the next generation of architects the conceptual and technical tools to build the future.

John McMorrough, Architecture Program Chair

Thesis reviews at Liberty Research Annex

Review in the CMYK gallery, Art + Architecture Building

"The application deadline for both the 2-year and 3-year master of architecture degrees is January 15th annually. 3-year master of architecture students begin coursework in late June and 2-year master of architecture students begin in the fall. Please visit taubmancollege.umich.edu/applyarchitecture for more detailed information about the 2-year and 3-year master of architecture requirements, application instructions, to schedule a visit, or view sample schedules and course descriptions."
TAUBMAN COLLEGE
at the University of Michigan

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

7 architectural design studios (42 credits)
2 design fundamentals courses (6 credits)
2 building construction courses (6 credits)
1 digital drawing course (3 credits)
1 architectural representation course (3 credits)
1 architectural theory + criticism course (3 credits)
1 site planning course (3 credits)
2 sustainable systems courses (6 credits)
1 environmental technology course (3 credits)
2 architectural history courses (6 credits)
3 structures courses (9 credits)
1 professional practice course (3 credits)
3 architecture elective courses (9 credits)
1 thesis development seminar (3 credits)

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

4 architectural design studios (24 credits)
1 architectural representation course (3 credits)
1 architectural theory + criticism course (3 credits)
1 site planning course (3 credits)
1 environmental technology course (3 credits)
1 architectural history course (3 credits)
1 structures course (3 credits)
1 professional practice course (3 credits)
4 elective/cognate courses (12 credits)
1 thesis development seminar (3 credits)

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

Questions? Please contact Taubman College Student Services at taubmancollegestudentservices@umich.edu or 734-764-1649.

For more information, please visit:
taubmancollege.umich.edu/architecture
master of science: conservation
The Master of Science concentration in Conservation (MS_C) is a 2.5 semester (fall, winter, spring half) post-professional degree that expands upon conventional notions of historic preservation to encompass the multiple scales that shape the cultural and environmental heritage of a community and its region. The course of study 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.

Modern and pre-modern landscapes, environments, and cultural sites are at risk of being destroyed or altered to such a degree 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. Conventional historic preservation fails to capture the role of community advocacy and economic development in conservation processes. At the same time, conventional approaches towards the preservation of natural resources has excluded addressing the man-made landscapes that affect ecological systems. 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.

The program is designed for participants who have an affinity for the architectures and landscapes of the past who want to take an active role in defining a better present and future. Participants will focus on socio-cultural artifacts of memory and the role of conservation in the physical embodiment of historiography of architecture and landscape. Participants will explore how to imaginatively design the future of historic structures, as well as progressively develop under-utilized historically significant urban sites and landscapes. Participants will be given the tools to bridge the gap between historic preservation of the built environment and the conservation of natural resources.

The degree coursework will combine conservation, activism, and entrepreneurship, and allow 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.

Participants will have access to the advanced technology available at Taubman College, including state-of-the-art documentation equipment, the Geographic Information Systems resources available at the SANDLab, and rapid prototyping equipment available in the Digital Fabrication Lab. Student projects and case studies will take advantage of the rich modern architecture and post-industrial legacy of Michigan, as well as the wealth of our faculty’s research nationally and abroad.
TAUBMAN COLLEGE
at the University of Michigan

MS_C required courses
(36 credit hours required for the degree)

1 proseminar course (3 credits)
1 capstone course (6 credits)
1 practicum course (6 credits)
1 theory course (3 credits)
1 documentation course (3 credits)
1 course in American architecture (3 credits)
2 architecture elective courses (6 credits)
2 cognate courses (6 credits)

Please visit www.taubmancollege.umich.edu/architecture/programs/ for detailed information about the M.S. requirements, application instructions, scheduling a visit, sample schedules, and course descriptions.

Questions? Please contact Taubman College Student Services at taubmancollegestudentservices@umich.edu or 734-763-1275.

For more information, please visit: taubmancollege.umich.edu/msc
master of science: design health
The design of buildings, spaces, cities, and regions has powerful consequences on our fitness and well-being. The Master of Science concentration in Design Health (MS_DH) examines the impact of the built environment on the human body across multiple scales. The concentration promotes critical assessments of existing design practices, while seeking to catalyze new opportunities for design and architecture to positively influence health.

The concentration combines case study and action-based methodologies in order to deploy multi-disciplinary approaches to understanding health, not only as an individual challenge, but also as a collective one. Topics of study engage the human body, diverse demographic groups, spaces and activities influencing societal health outcomes, and ecological conditions that necessitate interactions between natural and synthetic systems. Courses and seminars will locate individual and collective actions within institutional and political contexts, thus fostering policy innovations on issues ranging from resource allocation and zoning to transport and agricultural infrastructure.

The impact of urban design will be a particular focus of the concentration in examining how planning choices affect human health. The program also examines new avenues of practice for designers and architects around issues of health through interdisciplinary approaches working with experts from medicine, social sciences, and the humanities.

The University of Michigan is home to a vibrant constellation of academic, professional, and clinical units with which to partner, including but not limited to subject areas of medicine, pediatric medicine, geriatrics, public health, obesity, sustainability, kinesiology, and biomechanics.
TAUBMAN COLLEGE
at the University of Michigan

MS_DH required courses
(36 credit hours required for the degree)

1 proseminar course (3 credits)
1 capstone course (6 credits)
1 practicum course (6 credits)
1 theory course (3 credits)
2 concentration courses (6 credits)
2 architecture elective courses (6 credits)
2 cognate courses (6 credits)

Please visit www.taubmancollege.umich.edu/architecture/
programs/ for detailed information about the M.S.
requirements, application instructions, scheduling a visit,
sample schedules, course descriptions, or applying.

Questions? Please contact Taubman College Student Services
at taubmancollegestudentservices@umich.edu or
734-763-1275.

For more information, please visit:
taubmancollege.umich.edu/msdh
master of science: design research
The Master of Science concentration in Design Research (MS_DR) is a 2 semester, post-professional degree that posits architectural studio work as a research protocol. The 30 credit-hour curriculum is constructed around a two-semester studio/seminar combination that asserts ideas, ideation, and the making of theory as grounds for an independently pursued research path. Studio work attempts to place architecture deep inside its cultural site of reckoning, working vividly with media influences, technological imperatives, and representational biases within contemporary digital culture. The seminar colludes with this studio emphasis, deflecting studio practices through the heuristic making and leveraging of theory across a multitude of considerations within design research.

A special topic seminar and workshop make each year within the MS_DR a distinct experience as two visiting critics are asked to frame their own work with respect to the overarching emphasis within the degree. These support courses allow inter- and trans-disciplinary perspectives to be formalized within the curriculum. A required course on architecture pedagogy encourages students to bridge their individual research paths and the rigors of academic life, and thus positions the MS_DR as a teaching credential for those interested in transitioning into design education. Students conclude the two-semester sequence with an exhibition of work and the submission of a single document that presents both design exploration and theory production together in a hybrid format.

master of science: design research

The Master of Science concentration in Design Research (MS_DR) is a 2 semester, post-professional degree that posits architectural studio work as a research protocol. The 30 credit-hour curriculum is constructed around a two-semester studio/seminar combination that asserts ideas, ideation, and the making of theory as grounds for an independently pursued research path. Studio work attempts to place architecture deep inside its cultural site of reckoning, working vividly with media influences, technological imperatives, and representational biases within contemporary digital culture. The seminar colludes with this studio emphasis, deflecting studio practices through the heuristic making and leveraging of theory across a multitude of considerations within design research.

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TAUBMAN COLLEGE
at the University of Michigan

MS_DR required courses
(30 credit hours required for the degree)

- 2 design studios (10 credits)
- 1 design research seminar (3 credits)
- 1 teaching practicum course (3 credits)
- 1 topic seminar (1 credit)
- 1 topic workshop (1 credit)
- 2 architecture elective courses (6 credits)
- 2 cognate courses (6 credits)

Please visit www.taubmancollege.umich.edu/architecture/programs/ for detailed information about the M.S. requirements, application instructions, scheduling a visit, sample schedules, and course descriptions.

Questions? Please contact Taubman College Student Services at taubmancollegestudentservices@umich.edu or 734-763-1275.

For more information, please visit:
taubmancollege.umich.edu/msdr
master of science: digital technologies
transformed traditional professional boundaries and forced architects to reconsider their role in response to changing contractual relationships, expansion of client services, and concerns for ecological and sustainable thinking.

The MS_DT curriculum is focused on investigations in computer-aided design and advanced fabrication techniques, computational software, computational hardware, data manipulation, and synthetic applications of hardware/software. Project-based research provides a testing ground for new modes of practice and innovative uses of existing, new, and emerging technologies and tools. The college’s Digital Fabrication Lab (FABLab) is comprised of state-of-the-art industrial technology to perform architectural fabrication research. It is one of few academic institutions around the world utilizing robotic automation to perform both subtractive and additive manufacturing processes. The FABLab’s resources include: 3D Printers which allow digital files to be printed into small plastic or plaster models; 7-axis robot which cuts metals, plastics, glass, and wood via a variety of tools including a high-speed router spindle and an abrasive waterjet cutting nozzle; 3D Digitizer which allows one to generate points in a digital modeling program based off a physical model; two 3-axis and one 5-axis CNC Routers which route wood, foam, or aluminum based on a digital model; CNC Mill which mills metals, including stainless and aluminum manually or using mastercam technology; CNC Waterjet which cuts 2-dimensional profiles from sheets of material; Zund Knife Cutter which cuts through fabric, plastic, and paper; and industrial sewing machines.

The program builds upon a tradition of cutting-edge technical research at Taubman College, the University of Michigan, and in the Detroit region. The University of Michigan offers unmatched excellence in digital fabrication and access to world-class lab and production facilities and regional linkages to industry.
**TAUBMAN COLLEGE**
at the University of Michigan

**MS_DT required courses**
(36 credit hours required for the degree)

<table>
<thead>
<tr>
<th>Course Type</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>1 proseminar course</td>
<td>3 credits</td>
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<tr>
<td>1 capstone course</td>
<td>6 credits</td>
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<tr>
<td>1 practicum course</td>
<td>6 credits</td>
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<tr>
<td>1 theory course</td>
<td>3 credits</td>
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<tr>
<td>1 virtual engagement course</td>
<td>3 credits</td>
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<tr>
<td>1 material engagement course</td>
<td>3 credits</td>
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<tr>
<td>2 architecture elective courses</td>
<td>6 credits</td>
</tr>
<tr>
<td>2 cognate courses</td>
<td>6 credits</td>
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</tbody>
</table>

Please visit [www.taubmancollege.umich.edu/architecture/programs/](http://www.taubmancollege.umich.edu/architecture/programs/) for detailed information about the M.S. requirements, application instructions, scheduling a visit, sample schedules, and course descriptions.

Questions? Please contact Taubman College Student Services at taubmancollegestudentservices@umich.edu or 734-763-1275.

For more information, please visit:
[taubmancollege.umich.edu/msdt](http://taubmancollege.umich.edu/msdt)
master of science: material systems
The MS_MS concentration in Material Systems is a 2.5-semester post-professional degree that develops a platform for project-based design research methodologies aimed at experimentation and innovation in architectural material behavior, specific assembly performance, technology integration, and responsive material systems.

Advances in the fields of materials engineering, biotechnology, nanotechnology, and microsystems are changing the role of the architect to one of active engagement with the development of new material techniques and systems integration. The concentration seeks to make contributions in developing new integrated building systems and toolkits for performance evaluation of building components, material performance, and environmental feedback. Given the renewed focus on attaining better efficiencies and more sustainable building performance, it is important for the discipline to transform previously single-purpose building system components into components that are multi-purpose, integrated, and able to communicate with each other.

The MS_MS curriculum will focus on two basic trajectories: advancing research in new material exploration through new material applications and manufacturing processes, and advancing research in technology-integrated material explorations (in areas of engineering, responsive and adaptive structures). The concentration seminars and required courses will include lab courses in Material Behavior, New Materials (smart materials, high performance materials, energy conversion materials), Fabrication and Manufacturing Techniques, Materials Selection and the Environment, Interactive Systems, Sensing Systems, Material Ecologies, and Performance Evaluation Techniques Labs. The program will leverage cross-disciplinary collaborative work linking laboratory-based hard science research with systems applications. Research work will prioritize physical exploration and testbed development as well as the development of appropriate research techniques and methods of evaluation. Research streams will include material-scale performance, fluid modeling energy evaluation, and technology-integrated material explorations with emerging manufacturing processes. The program is intended to develop new methodologies of architectural exploration that are based in cross-disciplinary collaboration.

The program draws on the broad range of research in material systems currently ongoing at Taubman College’s Digital Fabrication Lab (FABLab), as well as close ties with University of Michigan’s internationally recognized programs such as the Integrated Microsystems and Environmental Assessment, Environmental and Water Resources Engineering Lab / Hydraulics Lab utilizing laser-induced fluorescence and particle image velocimetry, Engineering Research Center for Wireless Integrated MicroSystems; and other resources at the School of Natural Resources and Environment, College of Engineering and School of Art & Design.
TAUBMAN COLLEGE
at the University of Michigan

MS_MS required courses
(36 credit hours required for the degree)

1 proseminar course (3 credits)
1 capstone course (6 credits)
1 practicum course (6 credits)
1 theory course (3 credits)
1 physical pursuits course (3 credits)
1 technology process course (3 credits)
2 architecture elective courses (6 credits)
2 cognate courses (6 credits)

Please visit www.taubmancollege.umich.edu/architecture/programs/ for detailed information about the M.S. requirements, application instructions, scheduling a visit, sample schedules, and course descriptions.

Questions? Please contact Taubman College Student Services at taubmancollegestudentservices@umich.edu or 734-763-1275.

For more information, please visit:
taubmancollege.umich.edu/msms
master of urban design (M.U.D.)
What distinguishes urban design from other disciplines is the insistence upon the centrality of design as an instrumental and critical prism through which to gauge existing urban conditions and prospective visions for the city.

On this premise, the Master of Urban Design (M.U.D.) at the University of Michigan exposes students to the variety of processes and complexities of urbanization in cities, megacities, and metropolitan regions as a means of advancing new perspectives on urbanism. The degree proposes a global examination of urban design as a catalyst for progressive urban development that accounts for complex capital flows, fluctuations in land valuation, and planning strategies that anticipate diverse policies and publics. Utilizing a pedagogical mixture of project-based studios and seminars, case studies, and travel to the developed and developing world, participants will be exposed to diverse urban conditions and methodologies, with an emphasis on the most challenging contexts in which to affect change. Our unique curriculum focuses design research on a single city per year as a means of allowing students to focus on global issues while placing them in their local context. This iterative case study approach provides the time to acquire multiple points of view on the issues that affect urban growth.

Michigan’s course of study brings to the forefront the complex forces that impact the shaping of cities with a curriculum that collapses the distance between design and a wide range of urban disciplines. This expansive approach to urban design requires speculative insights informed by expert knowledge in areas affiliated with the design process including, real estate development and urban economics, the function of capital markets, and the legal and urban planning issues germane to global and local urbanization.

The M.U.D. degree program sits within a vibrant design and planning college and a world-class university. Participants will be exposed to top design and planning thinkers, special events with leaders in urban design and real estate, and adjunct/affiliated faculty in business, law, natural resources and the environment, economics, and other areas.
TAUBMAN COLLEGE
at the University of Michigan

Please visit www.taubmancollege.umich.edu/urbandesign for detailed information about the M.U.D. requirements, application instructions, scheduling a visit, sample schedules, course descriptions, or applying.

Questions? Please contact Taubman College Students Services at taubmancollegestudentservices@umich.edu or 734-763-1275.
doctor of philosophy in architecture
Ph.D. in Architecture

The doctor of philosophy (Ph.D.) in architecture is the highest degree offered in architectural research and scholarship. This 40-credit-hour degree is structured to enable students to take coursework and conduct original research, advised by faculty. The degree is conferred at the completion of the research and writing of a highly specialized and original dissertation project. The Ph.D. is awarded by Rackham Graduate School.

The Ph.D. in architecture at Taubman College was one of only four such programs in the United States when it was established in 1969. Since then, the program has continued to evolve in response to the changing nature of the discipline and the profession. Over 200 architecture doctoral degrees have been granted, the most of any institution in the country.

The program's strength lies in the specialized knowledge and accomplishments of its permanent and affiliated faculty, including their interdisciplinary interests. A distinct advantage of this program is that it can capitalize on the University's commitment to cross-departmental studies, both in terms of the breadth and quality of degree programs, and in specific initiatives shared by these programs. Students, who are typically graduates from professional architecture programs but may also come from fields outside of architecture, study within a particular field of specialization with a faculty major advisor. They tailor their studies to reflect specific interests by working with other University departments, from which they select a minor advisor.

In the course of the doctoral program, students learn, evaluate, and contribute to knowledge not only within the discipline itself, but also in relationship to its shifting boundaries and increasingly global outlook. As a critical component of their doctoral work, students learn to conduct rigorous and significant research and scholarship, preparing them to make important contributions to the understanding and development of architecture through a variety of professional roles. Doctoral students are competitive with their peers within U-M and other institutions, winning prestigious fellowships from U-M including those offered by Rackham Graduate School and the Institute for the Humanities, as well as from outside agencies including the Fulbright Program, the American Academy in Rome, the Social Science Research Council, the Getty Foundation, and others. Graduates are prepared to occupy a broad array of professional roles. Although most of our graduates take teaching positions in four-year colleges and universities, a number return to professional design practice, occupy positions in research institutions, or complete post-doctoral training.
Ph.D. required courses

4 core courses (13 credits)
4 major specialization courses (12 credits)
3 minor specialization courses (9 credits)
2 elective courses (6 credits)

Please visit www.taubmancollege.umich.edu/architecturephd for detailed information about the Ph.D. requirements, application instructions, scheduling a visit, sample schedules, and course descriptions.

Questions? Please contact Taubman College Student Services at taubmancollegestudentservices@umich.edu or 734-763-1275.
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.

Planning is a systematic, creative approach to addressing social, physical, and economic problems. Planners identify problems and opportunities, devise alternative policies, analyze and implement these options, and evaluate implemented plans. They study the interconnections between the various forces that shape places and the quality of life in them and develop policies around these interconnections: transportation and land use; economic development and housing; physical planning and environmental quality.

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; to revitalize downtowns and inner-city neighborhoods; 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.

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.
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; Planning in Developing Countries; Physical Planning and Design; and Transportation Planning.

requirements

M.U.P. requirements (48 credits)
1. statistics course (3 credits)*
2. economics course (3 credits)*
3. theory course (3 credits)
4. quantitative methods course (3 credits)
5. law course (3 credits)
6. fiscal planning course (2-3 credits)
7. planning practice course (3 credits)
8. 3-4 concentration courses (9-12 credits)
9. 2 cognate courses (4 credits)
10. 3-4 elective courses (8-9 credits)
11. capstone course (6 credits)

*These courses may be waived with appropriate prior coursework.

deadlines

The Rackham Graduate School awards the Master of Urban Planning degree. Therefore, applicants are required to complete the online Rackham Graduate School admissions application. The application deadline is December 15th annually for admission the following fall term. 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, scheduling a visit, sample schedules, and course descriptions. Questions? Please contact Taubman College student services at taubmancollegestudentservices@umich.edu or 734-763-1275.
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 specialization 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, and 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. The application deadline is January 15th annually for admission the following fall term. Admission is limited to fall term only. Please visit taubmancollege.umich.edu/applyplanning for detailed information about the degree requirements, application instructions, scheduling a visit, sample schedules, and course descriptions. Questions? Please contact Taubman College student services at taubmancollegestudentservices@umich.edu or 734-763-1275.
Assistant Professor María Arquero de Alarcón’s “Al Collar de los Gazules”

degrees

Master of Urban Planning (M.U.P.)
Ph.D. in Urban and Regional 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 urban decline 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.

Planning in Developing Countries
This concentration helps students develop the tools and ideas to understand issues confronting cities in diverse socioeconomic, political, and cultural circumstances; to understand how globalization impacts the local space of cities and regions; to work effectively in multicultural settings; and to understand how the international development industry functions.

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.

Prospective students can schedule a visit on-line, email taubmancollegestudentservices@umich.edu or call 734-763-1275 with any questions.

For more information, please visit:
taubmancollege.umich.edu/planning
Students discuss their internship experiences at the M.U.P. Summer Internship Showcase.

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 170 Taubman College students spent their 2012 spring break observing and working with professionals during the first week of March, hosted at firms or organizations in 22 cities in 16 states.

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

Recruiter from Chicago
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
- BBH Design, Raleigh, NC
- Bergmeyer Associates, Boston, MA
- Cannon Design, Washington, DC
- Chicago Metropolitan Agency for Planning, Chicago, IL
- City of Austin, Austin, TX
- City of Detroit Planning Commission, Detroit, MI
- Cooper Carry, Washington, DC
- Design, Community & Environment, Berkeley, CA
- Diller Scofidio + Renfro, New York, NY
- Farr Associates, Chicago, IL
- Gensler, Chicago, IL
- Goettsch Partners, Chicago, IL
- HKS Architects, Detroit, MI
- KieranTimberlake, Philadelphia, PA
- KlingStubbins, Boston, MA
- Kohn Pedersen Fox, New York, NY
- LandVision, Chicago, IL
- Lehman Smith McLeish, Washington, DC
- Lorcan O’Herlihy Architects, Los Angeles, CA
- LTL Architects, New York, NY
- Morphosis Architects, Los Angeles, CA
- NelsonNygaard Consulting Associates, Boston, MA
- Olson Kundig Architects, Seattle, WA
- OMA, New York, NY
- Pei Cobb Freed & Partners, New York, NY
- Perkins + Will, New York, NY
- Perkins Eastman, New York, NY
- Quinn Evans Architects, Ann Arbor, MI
- Rockwell Group, New York, NY
- Safdie Architects, Boston, MA
- Selldorf Architects, New York, NY
- SHoP, New York, NY
- SmithGroupJJR, San Francisco, CA
- SOM, San Francisco, CA
- Studio Gang Architects, Chicago, IL
- Tower Pinkster, Grand Rapids, MI
- Valerio Dewalt Train, Chicago, IL
- WHR Architects, Houston, TX

For more information, please visit:
taubmancollege.umich.edu/careerservices
events
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 generally are given in the college auditorium on Monday evenings. This academic year, the lecture series topics will be “Aesthetic” (Fall term) and “Organization” (Winter term). Speakers will include David Adjaye, Merrill Elam and Mack Scogin, and Jesse Reiser, among many others.

The college hosts a major conference each term that brings together a group of national and international architects, planners, designers, theorists, and experts from other disciplines to explore issues of college-wide interest. This academic year, the conference topics are “Public” and “Health,” examining the relationship between design and the structures that shape our environment. Architecture and Urban Planning faculty plan symposia during the course of each term on special topics such as installations, social justice, and sustainability. The college student body also hosts their own conferences and events, ranging from the Michigan Association of Planning Conference to the Planning and Architecture Research Group Conference.

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 12 to 15 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. In 2012-13, the program will include: a show on alternatives to suburbia, organized by Columbia University and MoMA; a Swiss show on green living; new research on Eero Saarinen’s design for the GM Tech Center; and the inaugural year of “Research on the City,” featuring new faculty research projects, as well as many other exhibitions.
recent lecturers

Michelle Addington
Stan Allen
Nadia Amoroso
Amale Andraos
Alexandro Aravena
Ignasi Perez Arnal
George Baird
Cecil Balmond
Julie Bargmann
Jonathan Barnett
Hincö Bekkerink
Alan Berger
Ila Berman
Marlon Blackwell
Julian Bleecker
M. Christine Boyer
Laurene Leon Boynton
Benjamin Bratton
Marshall Brown
Will Bruder
Leah Buechley
Stephen Burks
Francis D.K. (Frank) Ching
Shane Coen
Preston Scott Cohen
Maurice Cox
Ned Cramer
Teddy Cruz
Dana Cuff
Kenny Cupers
Julia Czerniak
Nicola Delon
Neil Denari
Alexander D’Hooghe
Elizabeth Diller
Mark Dorrian
Evan Douglass
Ellen Dunham-Jones
Anna Dyson
Keller Easterling
Peter Eisenman
Rodophe el-Khoury
Bryan Finoki
Liza Fior
Mia Fuller
Gerald Frug
Timur Galen
Peter Galison
George C. Galster
Theaster Gates
Toni Griffin
Laurent Gutierrez
Jefferson Han
Hou Hanru
Walter Hood
Li Hu
Bjarke Ingalls
Lisa Ilamoto
Sam Jacob
Casey Jones
Eric Kahn
Marcy Kaptur
Sheila Kennedy
Bernard Khoury
Leon Krier
Sean Lally
George L. Legendre
Rober Levit
Paul Lewis
Manuel Lima
Greg Lynn
Rodolfo Machado
Jeffrey Mackie-Mason
Michael Manfredi
Thom Mayne
Michael Meredith
Sigi Moeslinger
Curtis Moody
Daniel Monk
Farshid Moussavi
Ben Nicholson
Guy Nordenson
José Oubrie
John Ochsendorf
Gregg Pasquarelli
Chee Pearimen
Antoine Picon
Michael Pride
Heather Roberge
Joseph Rosa
Jason Salavon
Hilary Sample
Saskia Sasson
Ashley Schafer
Crag Scott
Richard Sennett
Eric Sheppard
Edward Soja
Robert Somol
Michael Speaks
Bruce Sterling
Margaret Gould Stewart
Susan Szenasy
Benedetta Tagliabue
Marc Tsurumaki
Sanjeev Vidyarthi
Alexandros Washburn
Sarah Whiting
June Williamson
Mabel Wilson
Laura Wolf-Powers
Dan Wood
Adam Yarinksy
Meejin Yoon
Alejandro Zaera-Polo
Andrew Zago

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
The faculty members are an eclectic group who express as much concern about what happens outside the school walls as inside them.
recent visiting critics

Hansy Better Barraza  Karen Lewis
James Bassett  Mark Linder
Behrang Behin  Rob Livesey
Pierre Bellanger  Fabian Llonch
David Bergman  Chip Lord
Adrian Blackwell  James Lowder
Benjamin Bratton  Igor Marjanovic
Marshall Brown  Sandro Marpillero
Brennan Buck  John May
Michael Cadwell  Michael Meredith
Jennifer Newsom Carruthers  Laura Miller
Nat Chard  Andrew Moddrell
Brandon Clifford  Kiel Moe
Joshua Clover  Daniel Mollet
John Comazzi  Judson Moore
Lise Anne Couture  Brendan Moran
Daniel D’Oca  Carol Moucheber
Gauthier Douglas  Anne Munly
Ed Eigen  Elyssa Newman
Alexander Eisenschmidt  Ben Nicholson
Merril Elam  Joan Ockman
Danielle Etzler  Jinhee Park
Britt Eversole  Stephane Pratte
Karen Fairbanks  Paul Preissner
Mike Ferguson  Gina Reichert
Jeremy Ficca  Dereck Rewington
Michael Fox  Alexandra Quantrill
Kerri Frick  Raymund Ryan
Reto Geiser  Hilary Sample
Mario Gooden  Larry Scarpa
Ellen Grimes  Fred Scharmen
Michael Guthrie  Lola Sheppard
Laurie Hawkinson  Bill Sherman
Jerry Herron  Roger Sherman
Nina Hofer  Mitchell Squire
Andrew Holder  Neyran Turan
Alicia Imperiale  Keith VanDerSys
Sandy Isenstadt  Leslie Van Duzer
Casey Jones  Peter Waldman
Keith Kaseman  Greg Walsh
Sung Ho Kim  Mark Wasiuta
Reed Kroloff  Mason White
Keith Krumweide  Betsy Williamson
Nana Last  Andrew Zago
Annie Lebel  Paola Zellner
Robert Levit

For more information, please visit:

taubmancollege.umich.edu/faculty
fellowships
Muschenheim Fellowship focuses 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.

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.

The Sanders Fellowship supports individuals with significant, compelling, and timely research dealing with architectural issues. Research could dwell within 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.

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.

To apply and for more information on the fellowships at Taubman College, please visit taubmancollege.umich.edu/fellowships.
TAUBMAN COLLEGE
at the University of Michigan

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
G. Britt Eversole
Janet Rose Fink
Yasser El Gabry
Pablo R. Garcia
Nataly Gottegno
Reto Geiser
Jonas Hauptman
Robert Henry
R. Thomas Hille
Irene Hwang
Nahyun Hwang
Olivia Hyde
Lisa Iwamoto
Kristine Synnes Jepsen
Jason Kelly Johnson
Kent Kleinman
Roland Koeb
Jesse LeCavalier
Gloria Lee
James Macgillivray
Ali Malkawi
Steven Mankouche
Mary McAuliffe
Karen M'Clokey
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
Marilí Santos-Munné
Rosalyne Shieh
Martin Schwartz
Martha Skinner
Shujatha Shetty
Michael Silver
Despina Stratigakos
Ian F. Taberner
Anca Traidaiñescu
Etienne Turpin
Kathy Velkov
Avis Vidal
Charles Waldheim
Charles Warren
Catherine Wetzel
Glenn Wilcox
Craig Wilkins
Michael Witte
Wittig
Adam Yarinsky

For more information, please visit:
taubmancollege.umich.edu/fellowships
experience
Taubman College provides not only an outstanding academic environment, but it also 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.

Being a part of the Taubman College means you are also a 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 is a vibrant and cultured city of about 114,000 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 in 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 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, and urban farming; the 2010 Fellows purchased a vacant Detroit home to create full-scale installations.
must sees before graduation

Ann Arbor
maya lin’s the wave field
dke shant building
the big house
school of music 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
The University Library’s Spatial and Numeric Data Services lab (SAND) provides assistance with spatial data, numeric data, and statistics for the University of Michigan community. The information provided by the lab is vital to site research and urban studies. SAND offers two labs: Central, located in 203 Hatcher Graduate Library; and North, located in room 2207 of the Art and Architecture Building.

The Digital Fabrication Lab (FABLab) leverages state-of-the-art industrial technology to perform architectural research. Taubman College is one of only a few academic institutions utilizing robotic automation to perform both subtractive machining and automated-assembly processes. The technologies previously existed in the aerospace and automotive industries, but recently infiltrated the architectural fabrication industry.

FABLab’s resources include:
- 3D Printers which allow digital files to be printed into small plastic or plaster models;
- 7-axis robot which cuts metals, plastics, glass, and wood via a variety of tools including a high-speed router spindle and an abrasive waterjet cutting nozzle;
- 3D Digitizer which allows one to generate points in a digital modeling program based off a physical model;
- two 3-axis and one 5-axis CNC Routers which route wood, foam, or aluminum based on a digital model;
- CNC Mill which mills metals, including stainless and aluminum manually or using mastercam technology;
- CNC Waterjet which cuts 2-dimensional profiles from sheets of material;
- Zund Knife Cutter which cuts through fabric, plastic, and paper;
- and industrial sewing machines.

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.
computing environment

Taubman College maintains a computing environment in which information technology is easily accessible and available to the Taubman College community. In 2009 the college began a program for ubiquitous software deployment, which 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.

For more information, please visit: taubmancollege.umich.edu/resources
International elective courses are an essential part of Taubman College, granting students the prospect of visiting 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, this year the college will offer travel opportunities to Africa, Europe, North and South America, and Asia. Professors are also incorporating international experiences into the curriculum with travel to countries including Germany, Mexico, and China. 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 or summer 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.
TAUBMAN COLLEGE
at the University of Michigan

recent international travel course countries

Argentina
Brazil
China
Egypt
France
Germany
Ghana
Greece
Guatemala
Holland
Iceland
India
Indonesia
Israel
Italy
Jamaica
Japan
Mexico
Morocco
Netherlands
Senegal
South Africa
Spain
Switzerland
Taiwan
Thailand
Turkey

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.

Assistant Professor Anya Sirota with students in Paris, Meta Friche course 2011

For more information, please visit:
taubmancollege.umich.edu/travel