

ARTES

MAY 3, 2024

SCIENTIA

HILL AUDITORIUM

VERITAS



RACKHAM GRADUATE EXERCISES



Honoring the
Class of 2024

RACKHAM GRADUATE EXERCISES

UNIVERSITY OF MICHIGAN

MAY 3, 2024

Candidates for graduate degrees are recommended jointly by the Executive Board of the Horace H. Rackham School of Graduate Studies and the school faculty or college awarding the degree. Following the School of Graduate Studies, schools are listed in order of their founding. Candidates within those schools are listed by degree and then by specialization, if applicable.

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This program presents as complete and accurate a record of candidates for degrees as possible as of the publication date.

ORDER OF EXERCISES

Carillon Selections	Tiffany Ng <i>University Carillonist and Associate Professor of Music</i> <i>School of Music, Theatre & Dance</i>
Prelude	Toccata in F, BWV 540 <i>Composed by Johann Sebastian Bach</i> Nicole Keller <i>University Organist and Associate Professor of Music</i> <i>School of Music, Theatre & Dance</i>
*Processional	Festal March <i>Composed by Florence Price</i> Nicole Keller
*The National Anthem	The Star Spangled Banner Bethany Worrell <i>Doctor of Musical Arts in Voice Performance, School of Music, Theatre & Dance</i>
Welcome	Laurie K. McCauley <i>Provost and Executive Vice President for Academic Affairs</i>
Student Speaker	Maribel E. K. Okiye <i>Doctor of Philosophy Candidate in Chemistry,</i> <i>College of Literature, Science, and the Arts</i>
Statement to the Class of 2024	Santa J. Ono <i>President</i>
Conferring of the Doctoral Degrees	Santa J. Ono Michael J. Solomon
Conferring of the Masters Degrees	Santa J. Ono Michael J. Solomon
Commencement Address	Robin Givhan <i>Washington Post Senior critic-at-large</i>
Musical Selections	Pequeña Czarda <i>Composed by Pedro Iturralde</i> Cerus Quartet Roberto Campa <i>Master of Music, Saxophone Performance, 2025</i> Samuel Dishon <i>Bachelor of Music, Saxophone Performance, 2024</i> Kyle Kato <i>Bachelor of Music, Saxophone Performance, 2024</i> Laura Ramsay <i>Bachelor of Music, Saxophone Performance and Music Education, 2024</i>

Student Speaker	Helly Rakesh Patel <i>Master of Science in Molecular and Integrative Physiology, University of Michigan Medical School</i>
Remarks on Behalf of the Horace H. Rackham School of Graduate Studies	Michael J. Solomon <i>Dean, Horace H. Rackham School of Graduate Studies and Vice Provost for Academic Affairs—Graduate Studies</i>
Presentation & Hooding of Doctoral Candidates	Santa J. Ono Michael J. Solomon
Candidates for Masters Degrees & Certificates	Santa J. Ono Michael J. Solomon
Congratulations	Fritz Brown <i>Board of Directors, Alumni Association of the University of Michigan</i>
*The Alma Mater	The Yellow and Blue <i>Composed by Michael W. Balfe</i> Nicole Keller (see lyrics on back cover)
*Recessional	Allegro Maestoso e Vivace from Sonata IV, Op. 65 <i>Composed by Felix Mendelssohn</i> Nicole Keller

Those who are able are asked to stand for the portions of the program asterisked (). At the conclusion of the program, the audience will please remain standing until the platform party has left the auditorium.

In consideration of the graduates and other guests in attendance, we kindly request that you mute your cellular telephones and take restless children to the lobby. For your convenience, live audio is provided in the main lobby so you may continue to enjoy the ceremony.

REGENTS OF THE UNIVERSITY

Jordan B. Acker	Huntington Woods
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Paul W. Brown	Ann Arbor
Sarah Hubbard	Okemos
Denise Ilitch	Bingham Farms
Ron Weiser	Ann Arbor
Katherine E. White	Ann Arbor
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Andrea Forte	<i>Dean, School of Information</i>
David A. Gier	<i>Dean, School of Music, Theatre & Dance</i>
Patricia D. Hurn	<i>Dean, School of Nursing (Represented by Sarah Stoddard)</i>
Carlos Francisco Jackson	<i>Dean, Penny W. Stamps School of Art & Design (Represented by Dylan AT Miner)</i>
Kyle Logue	<i>Interim Dean, Law School</i>
Jonathan Massey	<i>Dean, A. Alfred Taubman College of Architecture and Urban Planning</i>
Sharon F. Matusik	<i>Edward J. Frey Dean of Business, Stephen M. Ross School of Business (Represented by Roman Kapuscinski)</i>
Elizabeth Birr Moje	<i>Dean, Marsal Family School of Education</i>
Jacques E. Nör	<i>Dean, School of Dentistry (Represented by Mark Fitzgerald)</i>
Jonathan T. Overpeck	<i>Samuel A. Graham Dean, School for Environment and Sustainability</i>
Lori Ploutz-Snyder	<i>Dean, School of Kinesiology</i>
Marschall S. Runge	<i>Dean, Medical School</i>
Michael J. Solomon	<i>Dean, Horace H. Rackham School of Graduate Studies and Vice Provost for Academic Affairs–Graduate Studies</i>
Celeste Watkins-Hayes	<i>Joan and Sanford Weill Dean of Public Policy, Gerald R. Ford School of Public Policy</i>

STUDENT SPEAKERS

Maribel E. K. Okiye

Doctor of Philosophy Candidate in Chemistry, College of Literature, Science, and the Arts



Maribel Okiye researches the human microbiome – the bacteria, fungi, viruses and genes that live in and on the human body. Her primary focus is the oral cavity and how oral diseases affect the body. She has pioneered methods for classifying metabolic changes in the oral cavity during disease progression and directed groundbreaking research that identified unique molecules that may be crucial for the development of saliva-based diagnostic tools. She earned two M.S. degrees at the University of Michigan (2021). As a summer biological research scientist at the Lincoln Laboratory at Massachusetts Institute of Technology, she worked at the intersection of national security and biological research by conducting weapon trace-detection research. She is a National Science Foundation Graduate Research Fellow and a member of the Edward Alexander Bouchet Graduate Honor Society. Maribel recently began a postdoctoral research fellowship at Harvard Medical School.

Helly Rakesh Patel

Master of Science in Molecular and Integrative Physiology, Medical School



Helly Rakesh Patel has dedicated her academic career to understanding the human body, from the cellular to the societal level. She earned dual B.S. degrees from the University of Michigan in 2023, majoring in Biopsychology, Cognition & Neuroscience and Biology, Health & Society, with a minor in Women's Studies. She then embarked on her M.S. degree while continuing her research at U-M's Department of Orthopaedic Surgery, now in its third year. Her work focuses on elucidating the cellular and molecular mechanisms governing bone regeneration, contributing to advancements in regenerative medicine. At the National Institutes of Health, she has researched how the brain processes information and governs behavior. She also volunteers as a birth doula at Michigan Medicine, providing care for infants undergoing substance withdrawal. After graduation, Helly plans to attend medical school.

COMMENCEMENT SPEAKER

Robin D. Givhan

Washington Post senior critic-at-large

Photo: Helayne Seidman



Robin D. Givhan speaks truth to power. A 1988 graduate of the University of Michigan, senior critic-at-large for *The Washington Post*, and winner of the 2006 Pulitzer Prize for Criticism, she is revered for her keen observation and shrewd commentary on American politics, race, business, and the arts. She approaches her subjects through the lens of fashion and is the first fashion critic to win a Pulitzer Prize. “Fashion is an entrée to basically everything,” she has said. Her expansive view of the industry enables her to discuss such topics as the politicization of COVID-19 mask mandates, the disintegration of civility in the United States Congress, the transformation of the MAGA hat from swag to tribal identifier, and the appropriate dress for elected officials when representing the U.S. abroad. The Pulitzer Committee praised her “witty, closely observed essays that transform fashion criticism into cultural commentary.” Coursing through her writing is respect for her general readership. Her commentary is rendered objectively and explained point-by-point to show readers how she arrived at her conclusions. Following the murder of George Floyd, she wrote “Fashion’s Racial Reckoning”(2020), which documented the industry’s discriminatory practices and its efforts to open the

fashion design world to people of color. She is a native Detroiter who earned a B.A. in English at Princeton University and an M.A. in journalism at U-M before beginning her career at the *Detroit Free Press* as a music and nightlife reporter. An unexpected opportunity landed her on the fashion beat. Her work has appeared in *Harper’s Bazaar*, *Vogue*, *Vogue Italia*, *British Vogue*, *Essence*, *Elle UK*, *New York*, and *The New Yorker*. *Time* magazine named her to its list of “ALL-TIME 100 Fashion Icons.” She has contributed to several books, including *Runway Madness*; *No Sweat: Fashion, Free Trade and the Rights of Garment Workers*; and *Thirty Ways of Looking at Hillary: Reflections by Women Writers*. She is the author, along with *The Washington Post* photo staff, of *Michelle: Her First Year as First Lady* (2010). Her first solo book, *The Battle of Versailles: The Night American Fashion Stumbled into the Spotlight and Made History* (2015), is a cultural history of the 1973 Franco-American fashion design competition that elevated the trajectory of American fashion designers and models.

DISSERTATION CHAIRS

Doctoral dissertation research is conducted in consultation with a committee of faculty members selected by the candidate. The dissertation chair leads the committee and works closely with the student to guide the research. This collaboration is a fundamental relationship in the formation of scholars.

Natalie Abell	Matthew David Collette	L. Jay Guo
Josh Ackerman	Kevyn Collins-Thompson	Michael L. Haithcock
Angel Adames-Corraliza	Colleen M. Conway	Timothy Lewis Hall
Eytan Adar	Jason Corso	Alexis J. Handal
Christine A. Aidala	Aline J. Cotel	Lucy Hartley
Barbara A. Anderson	Pierre Coulombe	Freda A. Herseth
Megan Sapnar Ankerson	Gyorgyi Csankovszki	Xun Huan
Anthony Antonellis	Steven Thomas Cundiff	Justin T. Huang
Thomas J. Armstrong	Shanna Daly	Xianglei Huang
Peter Arvan	Ben Dantzer	Yihe Huang
Ella Marie Atkins	Neil P. Dasgupta	Shigeki Iwase
Richard Auchus	Brian Denton	H. V. Jagadish
Shorya Awtar	Parag B. Deotare	Timothy Y. James
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Ryan Baldrige	Melissa Duhaime	Justin Christopher Johnson
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Stephanie Bielas	Eva L. Feldman	Jaeun Kim
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Susan Brooks Herzog	John Edison Foster	Chandramouli Krishnan
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Laura Buttitta	Kristi E. Gamarel	Cagliyan Kurdak
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Sally Ann Camper	Anne Ruggles Gere	Joerg Lahann
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Yue Cao	Yogesh B. Gianchandani	Enrico Landi
Ruth Rothaus Caston	Tobias W. Giessen	Finn Larsen
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Zhan Chen	Jessy W. Grizzle	Alaina Maria Lemon
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DISSERTATION CHAIRS

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Allen Liu	Marina Pasca Di Magliano	David E. Speyer
James T. Liu	Subramaniam Pennathur	S. Sriram
Jie Liu	Veronica Perez-Rosas	Anna G. Stefanopoulou
Hernan Lopez-Fernandez	Ivette Perfecto	Corey Stephenson
Wei Lu	Sierra Victoria Petersen	Leia Stirling
Arthur Lupia	Victor Evgenyevich Petrov	Scott Stonington
Kevin John Maki	Bogdan Ioan Popa	Vijay Gautam Subramanian
Stephen Maldonado	David S. Potter	Duxin Sun
Annalisa Manera	Pierre Ferdinand Poudeu-Poudeu	Nathaniel Szymczak
Anna K. Mapp	Kartik Prasanna	Alan Taub
Emmanuelle Marquis	Aswin Punathambekar	Nicola Terrenato
Neil Marsh	Amiyatosh Purnanandam	Valerie Traub
Andrew John Marshall	Ling Qi	Ashootosh Tripathi
Bernard J. Martin	Jianming Qian	Leung Tsang
Joaquim R. R. A. Martins	Yutao Qin	Ctirad Uher
Ryan David McBride	Arvind Rao	Derek W. Vaillant
Timothy J. McCoy	Paul Resnick	Ram Vasudevan
Charles McCrory	Giulia Ricco	Anthony Vecchiarelli
Anne McNeil	Jeroen Ritsema	Tiffany Veinot
Edgar Meyhofer	Awilda Rodriguez	Sriram Venneti
Rafael Meza	Philip Roe	Michael Vesia
Rada Mihalcea	Eugene Cardell Rogers, Jr.	Angela Violi
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Shelie Miller	Alexandra Rosati	Shaomeng Wang
Ryan Edward Mills	Gideon Rothschild	Wenjing Wang
Yuji Mishina	Elliott J. Rouse	Xueding Wang
Amit Misra	Christopher S. Ruf	Lucretia M. Ward
Mark Moldwin	Andrew Michael Ryan	Felix Warneken
Christopher Stephen Monk	Romesh Saigal	Lois S. Weisman
Talia Yuki Moore	Thomas Hudson Sanderson	Joshua Welch
Anthony P. Mora	Christian Sandvig	Michael P. Wellman
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Sarah Murray	Corinna Schindler	Louise Willingale
Pavel Nagorny	Anna A. S. Schwendeman	John P. Wolfe
Khalil Najafi	Audrey F. Seasholtz	Margaret S. Wooldridge
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Jon-Fredrik Nielsen	Yatrik M. Shah	Guan Xu
Jacques Eduardo Nor	Ashwin J. Shahani	Zhen Xu
Teresa Rodgers O'Meara	Siqian May Shen	Qiong Yang
Sile O'Modhrain	David H. Sherman	X. Jessie Yang
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Jennifer Ogilvie	Ariella Shikanov	Bing Ye
Kenn Richard Oldham	Andrew J. Shryock	Yafeng Yin
Steve Oney	Donald Jason Siegel	Euisik Yoon
Gabor Orosz	Jordan Siegel	Zhengya Zhang
Pablo Ottonello	Kathleen Sienko	Haojie Zhu
Andrew Owens	LaKisha Michelle Simmons	Ji Zhu
Necmiye Ozay	Adam Charles Simon	Paul Zimmerman
Riann Palmieri-Smith	David Jacob Singer	Weiping Zou

MARSHALS OF THE UNIVERSITY

John D. Pasquale

Donald R. Shepherd Associate
Professor of Conducting
Director of the Michigan Marching and
Athletic Bands
Associate Director of University Bands
Chief Marshal

Valeria Bertacco

Vice Provost, Engaged Learning
Mary Lou Dorf Collegiate Professor
Arthur F. Thurnau Professor
Professor, Electrical Engineering and
Computer Science
College of Engineering
Assistant Chief Marshal

Stephen B. West

Professor of Music
School of Music, Theatre & Dance
Assistant Chief Marshal

ACADEMIC DRESS AND CUSTOM

The colorful gowns and hoods worn by faculty members at commencement and other academic ceremonies represent the degrees, disciplines, and alma maters of the wearers. The American academic costume tradition, imported from England, dates to Colonial days.

Gowns

Bachelor's or master's degree gowns traditionally are black, as are many doctoral gowns in the United States. Some universities prescribe that their graduates wear gowns of another solid color such as blue, crimson, or green. Gowns differ in sleeve cut and trim. For example, the bachelor's gown has long, pointed sleeves while the master's gown has oblong sleeves. Doctoral gowns, with their distinctive bell-shaped sleeves, feature velvet panels down the front and around the neck, as well as crossbars of velvet on the sleeves. Colored trim denotes the field or discipline in which the degree was earned. Usually only a single degree from one institution is indicated by a garment. If more than one degree is held, the gown and hood of the higher or highest degree usually are worn.

Hoods

The hood most precisely describes the wearer's level of degree earned, the major field of learning, and the alma mater. The level of the degree held is indicated by the hood's shape and size and the width of its velvet or velveteen trimming. The bachelor's, master's, and doctor's hoods are 36 inches, 42 inches, and 48 inches long, respectively. The velvet trim is two, three, and five inches wide, with the narrowest being for the bachelor's hood and the widest for the doctor's hood. The color of trim on the hood, as on the gown, identifies the major field of learning in which the degree was awarded. The hood is lined with the official colors of the college or university conferring the degree.

Caps

Caps vary in style from the traditional black mortarboard to eight-, six-, and four-corner tams, and Elizabethan-style caps. The mortarboard may be of any appropriate material, such as cotton, poplin, rayon, or silk, to match the gown. Velvet is reserved for holders of doctorates.

UNIVERSITY FLAGS

The flags behind the platform are arranged in the order in which the schools and colleges they represent were founded. As the audience faces the flags, the arrangement from left to right is the following:

College of Literature, Science, and the Arts
Medical School
Law School
School of Dentistry
College of Pharmacy
Horace H. Rackham School of Graduate Studies
Gerald R. Ford School of Public Policy
College of Engineering
Marsal Family School of Education
Stephen M. Ross School of Business
President's flag
University flag
Regents' flag
School for Environment and Sustainability
School of Music, Theatre & Dance
A. Alfred Taubman College of Architecture and Urban Planning
School of Nursing
School of Public Health
School of Social Work
University of Michigan-Flint
University of Michigan-Dearborn
School of Information
Penny W. Stamps School of Art & Design
School of Kinesiology

FLAG BEARERS

Juan Valentín-Goyco
Horace H. Rackham School of Graduate Studies Flag

Maribel E.K. Okiye
University Flag

THE UNIVERSITY MACE

The University's mace is a symbol of academic scholarship, integrity, and authority. It is carried by the chair of the University Senate at the head of academic processions on such important ceremonial occasions as commencements, convocations, and inaugurations, representing the connection of all faculty members to important academic rituals. The mace being used today was given to the University in 1968 by the Senior Board, representing all the undergraduate schools and colleges. Crafted of red oak and trimmed with silver, the mace features the seals of the University and of the State of Michigan. Also engraved on the mace are the names of the University Presidents.

ACADEMIC COLORS

Each discipline is represented by a unique color. Mingled colors distinguish combined curriculums.

Architecture and Urban Planning	<i>blue-violet</i>
Business Administration	<i>drab</i>
Dentistry	<i>lilac</i>
Education	<i>light blue</i>
Engineering	<i>orange</i>
Environment and Sustainability	<i>russet</i>
Fine Arts	<i>brown</i>
Information	<i>lemon</i>
Kinesiology	<i>sage green</i>
Law	<i>purple</i>
Literature and Arts	<i>white</i>
Medicine	<i>green</i>
Music	<i>pink</i>
Nursing	<i>apricot</i>
Pharmacy	<i>olive green</i>
Philosophy	<i>dark blue</i>
Public Health	<i>salmon pink</i>
Public Policy	<i>peacock blue</i>
Science	<i>golden yellow</i>
Social Work	<i>citron</i>

SCHOOLS AND COLLEGES OF THE UNIVERSITY

The order of presentation is by the year of founding.

College of Literature, Science, and the Arts

The College of Literature, Science, and the Arts, founded in 1841, was the first duly constituted college of the University of Michigan. Today, with more than 15,000 undergraduate and 2,000 graduate students, LSA is the largest of the University's schools and colleges, and it is still the heart of the campus. Distinguished in the humanities since its earliest years, the college became preeminent in the natural sciences during the early 20th century and went on to become a world leader in social science research. The college has always been dedicated to providing a richly diverse liberal arts education that prepares students to lead fulfilling lives as responsible citizens within a wide range of professional careers.

Medical School

Since opening its doors in 1850, the Medical School has been a leader in medical education, patient care, and biomedical research. In addition to its professional doctor of medicine program, the Medical School offers master's and doctoral degrees in the basic medical sciences. The school established the nation's first university-owned and -operated teaching hospital and created the first departments of pharmacology and human genetics in the United States. It also played an important role in the development of the electrocardiogram and in the development of iodized salt as a goiter preventive. The Medical School was among the first major American medical schools to graduate women and African Americans; today, there are more practicing M.D.s from the University of Michigan than from any other medical school in the United States.

Law School

Founded in 1859, the Law School awarded its first bachelor of laws degrees in 1860. In 1870, the school became the second in the nation to confer a law degree on an African American candidate and the first major law school to admit a woman. In 1871, one of the school's graduates became the first woman with a law degree to be admitted to the bar. A national law school from its earliest years, the school's graduates work in every state of the union and in more than 73 countries, in business, as practitioners and professors, as legislators and members of Congress, and as distinguished civil servants and members of the judiciary.

School of Dentistry

Established in 1875, the School of Dentistry first granted the professional degree, doctor of dental surgery, the following year. A national leader in the training of professional dentists and long active in oral and craniofacial research, the school offers the doctor of dental surgery, master's degrees, and graduate clinical programs in several dental specialties and general dentistry. A doctoral degree is offered in oral health sciences and in an interdepartmental program in biomaterials. The School of Dentistry also offers baccalaureate and master's programs in dental hygiene.

College of Pharmacy

Established as a department in 1868, Pharmacy became a college in 1876, the first in any university in the United States. Today, the college has an average annual enrollment of 260 doctor of pharmacy and 70 graduate students, and is consistently ranked among the top pharmacy schools in the nation. The college offers the doctor of pharmacy degree; baccalaureate programs in medicinal chemistry and pharmaceutical sciences; and doctor of philosophy programs in medicinal chemistry, pharmaceutical sciences, and social and administrative sciences. Major areas of research include the biological, chemical, clinical, genomic, economic, and social aspects of drugs and therapeutic agents.

Horace H. Rackham School of Graduate Studies

The Horace H. Rackham School of Graduate Studies oversees and coordinates graduate education, bringing together graduate students and faculty from across the institution to experience and take full advantage of the University as a scholarly community. The University awarded its first master of arts degree in 1849, first master of science degree in 1859, and first doctor of philosophy degree in 1876. Organized as a department in 1892, the School of Graduate Studies became an autonomous unit in 1913. In 1935, a generous gift from Horace H. and Mary A. Rackham included the site and construction of the Rackham Building for graduate studies and a substantial endowment for carrying on graduate work and research.

Gerald R. Ford School of Public Policy

The School of Public Policy prepares graduates for distinguished careers in policy analysis and management, and promotes improved public policy through research.

Its curriculum combines rigorous grounding in contemporary social science, opportunities to develop expertise in a variety of policy domains, and practical experience. Graduates work in government and the private and nonprofit sectors, using their knowledge, judgment, and new ideas to solve social problems, both domestic and international. The school traces its history to the Institute of Public Administration, established in 1914 as one of the first programs in municipal administration in the United States. In 1999, the regents approved the naming of the school in honor of Gerald R. Ford, the 38th President of the United States and a 1935 graduate of the University.

College of Engineering

Instruction began with a class in civil engineering in 1854. Historically, the College of Engineering has been a leader in establishing departments in emerging fields, including metallurgical engineering, naval architecture and marine engineering, electrical engineering, chemical engineering, aeronautical engineering, nuclear engineering, and computer engineering. Today, the college and its 60,000 alumni provide leadership in various technologies, healthcare, business, and the sciences, improving the quality of people's lives around the world.

Marsal Family School of Education

The School of Education was founded in 1921, 42 years after the University established the first chair in any United States collegiate institution devoted to the "science and art of teaching." The school prepares students for professional careers in teaching and administration, and offers advanced training for researchers and practitioners at all levels of education. Teacher diplomas were first offered in 1874; the first master's degree in education was conferred in 1891, the first Ph.D. in 1902, and the first Ed.D. in 1938.

Stephen M. Ross School of Business

Building on faculty and course offerings that began in the latter part of the 19th century, the school was formally established in 1924. Today, at all levels of instruction—bachelor's, master's, doctoral, and executive education—its programs rank in the top five among American institutions. Each year nearly 1,000 new School of Business graduates enter careers as business professionals and teacher-scholars, joining the approximately 37,000 who already serve in leadership positions in business, government, and academic institutions throughout the world.

School for Environment and Sustainability

The clear-cutting of Michigan's densely forested wilderness was well under way when the University of Michigan began offering courses in forestry in 1881—the first university in the United States to do so. The year 1903 saw the creation of a Department of Forestry, forerunner of today's School for Environment and Sustainability (SEAS). The school's students and faculty organized the famous 1970 Teach-In on the Environment (the prototype of Earth Day) and incubated the scholarly disciplines of Environmental Justice, Environmental Education, and Environmental Informatics. From its inception as a forestry school to the interdisciplinary institution it is today, SEAS has always prepared leaders to understand and solve the major environmental challenges of the era.

School of Music, Theatre & Dance

Consistently ranked among the top performing arts schools in the nation, and one of the oldest, the School of Music, Theatre & Dance is committed to creating an environment of educational and artistic excellence, nurturing creativity, academic integrity, and professionalism in its students and faculty. With degrees offered at the bachelor's, master's, and doctoral levels, the School is deeply engaged in the creation, practice, scholarship, and pedagogy of music, theatre, and dance. It fosters a spirit of social responsibility and principled entrepreneurship and serves the community and state of Michigan through public performances, cultural resources, arts education, and outreach programs.

A. Alfred Taubman College of Architecture and Urban Planning

Michigan offered its first courses in architecture in 1876. The program became a department in 1913, and by 1931, the College of Architecture was established as a separate entity. During the 1940s, the college was one of the few schools in the country to consider research a necessary part of architectural education, and in 1946 it became the first to introduce a graduate program in urban planning. The college offers master of architecture, master of urban planning, and master of urban design degrees; bachelor of science and master of science degrees in architecture; and doctoral programs in architecture and in urban and regional planning. In 1999, the college was named in honor of A. Alfred Taubman, founder and chairman of The Taubman Company, Inc., and a longtime friend, supporter, and adviser to the college.

School of Nursing

The University of Michigan School of Nursing (UMSN) is an international leader in the advancement of nursing knowledge and strategies to improve health care. In addition to the four-year BSN program and the second career in nursing program, UMSN has a robust offering of graduate programs. Students are prepared to be leaders in advanced clinical practice through our M.S.N. and post-baccalaureate Doctorate of Nursing Practice (DNP) programs. Students can also lead and effect change through the M.S.N. or post-masters DNP programs in systems, populations and leadership. UMSN's prestigious Ph.D. and postdoctoral programs prepare nurse scientists to develop the knowledge necessary to support and advance nursing practice.

School of Public Health

Founded in 1941 and ranked among the country's top public health schools, the University of Michigan School of Public Health educates more than 1,000 graduate and undergraduate students each year. With over 170 faculty and researchers across six departments and numerous collaborative centers and institutes, the school brings interdisciplinary, innovative solutions to complex health challenges, including chronic and infectious diseases, obesity and food insecurity, health care quality and cost, climate change and environmental factors, and socioeconomic inequalities and their impact on health. Compassion, innovation, and inclusion drive the faculty, staff, students, and 15,000 alumni of Michigan Public Health to pursue positive change and lasting impact on the health of the world.

School of Social Work

The program in social work began in 1921, and was granted the status of a school in 1951. Faculty maintain high research productivity while teaching an innovative curriculum. At the master's level, the school prepares professional practitioners for work with individuals, children and their families, the aged, organizations, and communities. Students may focus their studies in the fields of substance abuse, mental health, education, child welfare, program evaluation, and public policy. The joint doctoral program in social work and social science is one of a kind and prepares students for academic and research careers. Graduates of both programs are found in leadership positions around the world. The School of Social Work consistently ranks as one of the best in the nation.

School of Information

A formal program began in 1926, when the Department of Library Science was created in the College of Literature, Science, and the Arts. In 1948, offerings became entirely graduate and a doctoral program was inaugurated. Establishment of an independent school, committed to the interdisciplinary study of information and library principles, came in 1969. In response to the rapid change brought on by present technology, the school broadened significantly further in the 1990s. It now pursues a highly interdisciplinary approach to educate professionals who will serve as leaders in the information age. Recognizing this broader mission, the school was renamed the School of Information in 1996.

Penny W. Stamps School of Art & Design

The Penny W. Stamps School of Art & Design traces its history at the University to visual arts education in the late 19th century, awarding its first degree in 1960, and becoming a University of Michigan school in 1974. In 2002, the school launched a unique curriculum that prompted the National Association of Schools of Art and Design to report, "The School of Art & Design and the University of Michigan have created an opportunity to lead the academic conversation in art and design in this country." The school prepares graduates for a broad range of creative professions through its undergraduate and graduate programs. Commitment to the integration of art and design, community engagement, international experience, connections to the academic resources of the University, interdisciplinary pursuit, and public presentation of creative work are required of all majors.

School of Kinesiology

Kinesiology has been part of the University of Michigan curriculum since the turn of the 20th century and joined the ranks for the schools and colleges as an independent unit in 1984. Concentrations have the common thread of human movement and span a wide range including movement science, physical education, sport management, and athletic training. Kinesiology prepares undergraduates for careers as diverse as medicine and physical therapy to athletic administration, marketing, and law. Master's and doctoral students expand their opportunities in higher education, research, health care, public health or medicine, business, and law.

CANDIDATES FOR DEGREES AND CERTIFICATES

The following is a list of the candidates for degrees to be granted upon completion of formal requirements. A candidate is listed alphabetically by degree, and in some cases also by field of specialization, under the school or college which awards the degree. In this program, candidates are presented in the order of which their respective schools or colleges were founded.

The Executive Board of Horace H. Rackham School of Graduate Studies awards doctoral, master's, and some graduate professional degrees (e.g., master of public policy, master of urban planning), although most graduate professional degrees, such as doctor of medicine, master of social work, etc., are awarded by the respective schools or colleges. The Horace H. Rackham School of Graduate Studies does not offer course work, and advanced studies are conducted within the school or college of a candidate's area of specialization.

This program presents as complete and accurate a record of candidates for degrees as is possible as of the publication date.

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

Founded in 1912, Michael J. Solomon, Dean and Vice Provost for Academic Affairs—Graduate Studies

Doctor of Musical Arts

Gabe Condon, Field of Specialization: Jazz and Contemporary Improvisation. Dissertation: A Constructivist Analysis of Jazz Pedagogy in European Sinti Communities.

Kenneth Damion Gill II, Field of Specialization: Jazz and Contemporary Improvisation. Dissertation: A Jazz-centered Transcultural Approach to Improvisational Studies: An Overview for Music Educators at the Middle School, High School, and University Levels.

Bryan Anthony Ijames, Field of Specialization: Conducting (Choral). Dissertation: Summary of Dissertation Recitals: Three Choral Programs.

Daniel Johnson, Field of Specialization: Conducting (Band). Dissertation: A Summary of Three Dissertation Recitals.

Siwon Kim, Field of Specialization: Music Performance. Dissertation: Piano Performance Dissertation.

Katherine Elizabeth Rohwer, Field of Specialization: Conducting (Choral). Dissertation: Summary of Dissertation Recitals: Three Choral Programs.

Bethany Worrell, Field of Specialization: Music Performance. Dissertation: Notes on Three Dissertation Performances (Two Recitals and an Opera Role).

Doctor of Philosophy

Saghar Adler, Field of Specialization: Electrical and Computer Engineering. Dissertation: On the Importance of Inherent Structural Properties for Learning in Markov Decision Processes.

Maria Luisa Adrover Castellano, Field of Specialization: Chemical Biology. Dissertation: Chemoenzymatic Synthesis of Macrolides and Directed Evolution of the Pikromycin Thioesterase.

Andy Rafael Aguilera, Field of Specialization: History. Dissertation: In the Shadow of Mexico: Mexican and Mexican American Conservatives during the Eras of U.S. Conquest and the Mexican Revolution, 1848-1940.

Maymona Al Hinai, Field of Specialization: Nutritional Sciences. Dissertation: Essential Nutrients for Serene Nights: Exploring the Role of Iron and Vitamin D on Sleep Across Life Stages and Demographics.

Michelle Maria Al-Ferzly, Field of Specialization: History of Art. Dissertation: 'A Receptacle for Every Good Thing': The Art of Medieval Islamic Dining, Eighth to Fifteenth Centuries.

Nana-Yaw Appeagyei Andoh, Field of Specialization: Urban and Regional Planning. Dissertation: Informal Settlements: The Intersection of Social Networks, Livelihoods, and the Built Environment in Johannesburg, Nairobi, and Accra.

Kanat Anurakparadorn, Field of Specialization: Macromolecular Science and Engineering. Dissertation: Design and Optimization of the Periodic Porous Polymer Composite Metamaterial Electromagnetic Absorbers.

Roxana-Maria Aras, Field of Specialization: Anthropology and History. Dissertation: Orthodoxy as a Way of Living: Religion, Sect, and Crisis in Lebanon.

Grace Argo, Field of Specialization: History and Women's and Gender Studies. Dissertation: Incest and the American Family.

Maiko Judy Askari, Field of Specialization: Chemistry. Dissertation: Electrochemical Nitrate Reduction to Ammonium by Electropolymerized Molecular Catalyst Films.

Judy Jiyeon Baek, Field of Specialization: Molecular and Integrative Physiology. Dissertation: Metabolic Regulation in Diabetic Kidney Disease.

Joseph Lawrence Basalla, Field of Specialization: Molecular, Cellular and Developmental Biology. Dissertation: Connecting a Bacterial Organelle to Its Positioning System.

Kelsey Michelle Bates, Field of Specialization: Physics. Dissertation: Multidimensional Coherent Spectroscopy: Probing the Strain Tensor in Diamond and the Effects of Correlated Dephasing.

Robert Benisch, Field of Specialization: Chemical Biology. Dissertation: Biochemical Characterization of Novel Encapsulin Systems Involved in Microbial Sulfur Metabolism and Gluconeogenesis.

Andrew B. Bernard, Field of Specialization: Anthropology. Dissertation: Primate Distribution Dynamics and the Effects of Contemporary Climate Change Along an Elevational Gradient in Indonesian Borneo.

Leah Bernardo-Ciddio, Field of Specialization: Classical Art and Archaeology. Dissertation: Ceramics, Craft Communities, and Cultural Interactions in the First Millennium Adriatic: Production and Trade of Apulian Matt-Painted Pottery.

Xhulja Biraku, Field of Specialization: Mechanical Engineering. Dissertation: Investigation of Nanoparticles Incorporation During Plant Growth to Improve Natural Fiber Properties.

Sasha Gabrielle Davidka Bishop, Field of Specialization: Ecology and Evolutionary Biology. Dissertation: Floral Evolution Beyond Phenology: Adaptive Dynamics in Plant-Pollinator Interactions Under Global Change.

Daniel Robert Blakemore, Field of Specialization: Earth and Environmental Sciences. Dissertation: Applications of Laser Ablation Inductively Coupled Plasma Mass Spectrometry to Problems in Mineral Resource Geology.

Katherine Bonefas, Field of Specialization: Neuroscience. Dissertation: Soma-To-Germline Transition and Sexually Dimorphic Transcription in a Chromatin-Linked Neurodevelopmental Disorder.

Monica E. Bonilla, Field of Specialization: Cancer Biology. Dissertation: Mapping the Metabolic Landscape of the Healthy Human Pancreas and the Pancreatic Tumor Microenvironment.

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

Doctor of Philosophy

Taylor G. Brandt, Field of Specialization: Materials Science and Engineering. Dissertation: Liquid-Feed Flame Spray Pyrolysis Synthesized Active Material Nanopowders: Toward Co-free, High-Energy Density, and Low-Cost Li-Ion Batteries.

Emma Rose Brannon, Field of Specialization: Chemical Engineering. Dissertation: Leveraging Neutrophil-Particle Interactions to Develop Therapeutics for Acute Inflammatory Diseases.

Leila Braun, Field of Specialization: English Language and Literature. Dissertation: Everyday Apocalypse: Minor Realism in the Contemporary Climate Novel.

Hannah Bredar, Field of Specialization: English Language and Literature. Dissertation: The Affects of Critique: Women and Satire in Early Modern England.

Joseph M. Breeden, Field of Specialization: Aerospace Engineering. Dissertation: Constrained Control and Online Safety Filtering for Autonomous Space Systems.

Ethan Brooks, Field of Specialization: Computer Science and Engineering. Dissertation: Explorations of In-Context Reinforcement Learning.

Anna Brosowsky, Field of Specialization: Mathematics. Dissertation: The Cartier Core Map and F-graded Systems.

Zachariah Alexander Brown, Field of Specialization: Aerospace Engineering. Dissertation: Small-scale Instability Driven Electron Transport in Hall Thrusters.

Yingzi Bu, Field of Specialization: Pharmaceutical Sciences and Scientific Computing. Dissertation: Machine Learning Guided Drug Discovery: Comprehensive Application in Janus Kinase Inhibitor Design.

Marshall Calvin Buchanan, Field of Specialization: Classical Studies. Dissertation: Narratives of Decline in Roman and Chinese Historiography.

Elli Merisa Buchert, Field of Specialization: Molecular, Cellular and Developmental Biology. Dissertation: Encoding Cell Cycle Regulatory Information in the Genome.

Gwendolyn Erin Burgess, Field of Specialization: Pharmacology. Dissertation: Behavioral Effects of Opioid Analgesics in the Presence or Absence of Chronic Neuropathic Pain.

Ryan E. Burton, Field of Specialization: Information. Dissertation: Augmenting Interactive Information Seeking with System-Level Assistance.

Brandon Butler, Field of Specialization: Chemical Engineering and Scientific Computing. Dissertation: On the Development of Tools for the Study of Colloidal Self-Assembly.

Averill Perrault Cantwell, Field of Specialization: Psychology. Dissertation: The Evolutionary Origins of Executive Function in Primates: An Individual Differences Approach.

Jie Cao, Field of Specialization: Bioinformatics. Dissertation: Development and Validation of Transportable, Clinically Applicable and Scalable Machine Learning Models for Acute Kidney Injury.

Varun Chakrapani, Field of Specialization: Mechanical Engineering. Dissertation: Experimental Studies Identifying and Minimizing Sources of Pollutant Emissions from Advanced Engines and Light Duty Vehicles.

Elias Hazen Chandarlis, Field of Specialization: Psychology. Dissertation: Examining the Relationship between Social Trust, Empathic Concern, the Principle of Care, and Low-cost and High-cost Prosocial Behaviors in Sociodemographic Contexts.

Kai-Wei Chang, Field of Specialization: Biomedical Engineering. Dissertation: Photoacoustic Imaging of Evoked Cortical and Subcortical Responses in Small Animal Brain.

Hsiang-Wen Chen, Field of Specialization: Electrical and Computer Engineering. Dissertation: Advanced Noise-Shaping SAR ADC Techniques.

Kuan-Yu Chen, Field of Specialization: Electrical and Computer Engineering. Dissertation: Design and Implementation of Domain-Specific Programmable Spatial Accelerators.

Zhongzhu Chen, Field of Specialization: Industrial and Operations Engineering and Scientific Computing. Dissertation: On Algorithmic Advances for Maximum-Entropy Sampling.

Hayoung Cheon, Field of Specialization: Business Administration. Dissertation: Two Essays on the Impact of Healthcare Policies.

Tae Ho Cho, Field of Specialization: Mechanical Engineering. Dissertation: Nanomanufacturing of Electronic and Battery Materials and Devices using Atomic Layer Deposition.

Jeffrey Choy, Field of Specialization: Industrial and Operations Engineering. Dissertation: Studies in Financial Frontiers: Robo-Advising and Interconnected Markets.

Chloe Anne Clarke, Field of Specialization: Climate and Space Sciences and Engineering. Dissertation: The Physical Representation of Bare Ice Albedo in Radiative Transfer Models and the Implications on Greenland Ice Sheet Albedo and Surface Mass Balance.

Shelby Cox, Field of Specialization: Mathematics. Dissertation: Algebraic Structures into Phylogenetics: Insights from Tropical Convexity and Likelihood Geometry.

Justin Tyler Craft, Field of Specialization: Linguistics. Dissertation: The Effect of Listener Experience and Social Expectation on Illusory Percepts.

Kristen Cummings, Field of Specialization: Higher Education. Dissertation: Exploring the Role of Tuition-Free Community College for Rural Communities: A Mixed Methods Approach.

Allison Nicole Curley, Field of Specialization: Earth and Environmental Sciences. Dissertation: Applications of Carbonate Clumped Isotopes in Paleoclimate and Paleophysiology: Demystifying Biologically Driven Isotopic Fractionations in Class Bivalvia.

Rana S. Dabaja, Field of Specialization: Mechanical Engineering. Dissertation: Design and Manufacturing of Spatially Distributed and Interconnected Porous Architectures for Smart Dental Implants.

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

Doctor of Philosophy

- Liuhan Dai**, Field of Specialization: Chemistry. Dissertation: Advancing Quantitative DNA Biomarker Detection through Single Molecule Fluorescence Kinetic Fingerprinting.
- Derek Dang**, Field of Specialization: Molecular and Cellular Pathology. Dissertation: Beyond the Warburg Effect: A Study of Metabolic Alterations in Malignancies of the Posterior Fossa.
- Prathamesh Madhav Datar**, Field of Specialization: Chemistry. Dissertation: Mechanistic Studies on the Prenylated- Flavin-Dependent Phenazine-1-Carboxylic Acid Decarboxylase.
- Mena K. Davidson**, Field of Specialization: Psychology. Dissertation: Influences of Affiliative Behavior in a Socially Monogamous Mammal.
- Devon Danielle Dennison**, Field of Specialization: Cellular and Molecular Biology. Dissertation: Exploring the Mechanics of Golgi-localized Tull Selective Degradation.
- Karan Prakash Desai**, Field of Specialization: Computer Science and Engineering. Dissertation: Language Supervision for Computer Vision.
- Rucheng Diao**, Field of Specialization: Bioinformatics. Dissertation: Local Chromatin Environments Shape Transcription and Adaptive Immunity in Bacteria.
- Sean M. Donovan**, Field of Specialization: Film, Television, and Media. Dissertation: Queer Analog Pleasure and Digital Ambivalence: LGBTQ Media Worlds in Nostalgic Times.
- John Downing**, Field of Specialization: Nuclear Engineering and Radiological Sciences. Dissertation: High-Resolution Experiments of Flow Phenomena in Dead-ended Branch Lines for the Validation and Advancement of Computational Fluid Dynamics Modeling.
- Mark Dulchavsky**, Field of Specialization: Cellular and Molecular Biology. Dissertation: Characterization and Improvement of a Nicotine-Degrading Flavoenzyme.
- James T. Duvall**, Field of Specialization: Aerospace Engineering and Scientific Computing. Dissertation: Development and Application of Hypernetworks for Discretization-Independent Surrogate Modeling of Physical Fields.
- Mohamed El Banani**, Field of Specialization: Computer Science and Engineering. Dissertation: Learning Visual Representations from Cross-Modal Correspondence.
- Christopher Robert Emproto**, Field of Specialization: Earth and Environmental Sciences. Dissertation: Isotope Geochemistry and Mineralogy Applied to Energy-Critical Mineral Deposit Geology.
- Nizar Ezroura**, Field of Specialization: Physics. Dissertation: Probes of Supersymmetric Black Holes in AdS.
- Chongxing Fan**, Field of Specialization: Climate and Space Sciences and Engineering. Dissertation: The Importance of Accurate Physical Parameterization for Radiative Transfer in Global Climate Simulations and Remote Sensing: Examples of Cloud Longwave Scattering and Solar Farm Modeling.
- Xinyu Fei**, Field of Specialization: Industrial and Operations Engineering and Scientific Computing. Dissertation: Optimization Methods for Mixed-Integer Control Problems in Complex Systems.
- Alex Feleo**, Field of Specialization: Aerospace Engineering. Dissertation: On the Adequacy of Global Pressure Gain as the Performance Metric for Rotating Detonation Combustors.
- Fan Feng**, Field of Specialization: Bioinformatics. Dissertation: Deciphering the Knowledge of Human Genome with Graphs.
- Ben Finkel**, Field of Specialization: Anthropology. Dissertation: The Challenges of Senescence for Adult Male Chimpanzees.
- Dillon Fitzgerald**, Field of Specialization: Physics. Dissertation: Studying Gluon Correlations and Nuclear Effects through Transverse Single-Spin Asymmetry Measurements at PHENIX and Promoting an Open Research Infrastructure in High Energy Physics.
- Thomas Michael Flanagan**, Field of Specialization: Business Administration. Dissertation: Essays on the Measurement and Detection of Risk in Banks.
- Garrett Fogo**, Field of Specialization: Neuroscience. Dissertation: Investigating the Interplay of Mitochondrial Dynamics and Proteostasis during Neuronal Ischemia/Reperfusion Injury using Integrated Imaging and Modeling Approaches.
- Bo Fu**, Field of Specialization: Robotics. Dissertation: A Learning and Planning Framework for Robust Task Allocation for Heterogeneous Robot Teams.
- Xun Fu**, Field of Specialization: Robotics. Dissertation: Modeling and Control of Continuum Appendages.
- Mallory Roberta Fuhst**, Field of Specialization: Applied Physics. Dissertation: Atomic-Scale Simulations of Solvent Decomposition and Solid-State Ion Transport in Alkaline-based Batteries.
- Noam Gannot**, Field of Specialization: Oral Health Sciences. Dissertation: A Neural Control Circuit for Cough-Like Defensive Behaviors in Mice.
- Mingjie Gao**, Field of Specialization: Electrical and Computer Engineering. Dissertation: Advances in Image Reconstruction for Digital Breast Tomosynthesis.
- Chao Gao**, Field of Specialization: Bioinformatics. Dissertation: Computational Methods for Single-Cell and Spatial Multimodal Data Integration.
- Tate Marlow Gill**, Field of Specialization: Aerospace Engineering. Dissertation: Fundamental Limitations of Rotating Magnetic Field Thrusters.
- Elana Robyn Goldenkoff**, Field of Specialization: Movement Science. Dissertation: Optimizing Repetitive Transcranial Magnetic Stimulation Protocols for Motor Function.
- Robert Scott Goldsmith**, Field of Specialization: Pharmacology. Dissertation: Characterizing the Role of Palmitoylation in Cardiac Fibroblast Activation and Fibrosis.
- Xianliang Gong**, Field of Specialization: Naval Architecture and Marine Engineering and Scientific Computing. Dissertation: A Computational Framework for Quantifying Extreme-Event Statistics in Nonlinear Systems with Stochastic Input.

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

Doctor of Philosophy

Yiming Gong, Field of Specialization: Physics.

Dissertation: Quantum Interference Control (QuIC) of Currents in Semiconductors.

Gabriel A. Gonzalez, Field of Specialization: Chemistry. Dissertation: Studies on the Development of Palladium-Catalyzed Alkene Difunctionalization Reactions for the Synthesis of Nitrogen-Containing Heterocycles.

Fernando Gorab Leme, Field of Specialization: Classical Studies. Dissertation: Hymen Will Light Up Our Torches: The Significance and Transformation of the Wedding Song in Greco-Roman Antiquity.

Wenjin Gu, Field of Specialization: Bioinformatics. Dissertation: Development of Human Papillomavirus Integration Analysis Technologies for Human Papillomavirus-Associated Cancer Research.

Audrey R. M. Gutierrez, Field of Specialization: Electrical and Computer Engineering. Dissertation: Geometric and Plasmonic Effects in Radiative Heat Transfer.

Steve Derek Guzman, Field of Specialization: Molecular and Integrative Physiology. Dissertation: Aging, Oxidative Stress, and Schwann Cell Regulation: Implications for Neuromuscular Health.

James Robert Haggerty-Skeans, Field of Specialization: Cellular and Molecular Biology. Dissertation: PTEN Hemizyosity Drives Lower DNA Methylation, Immune Suppression, and Aggressive Behavior in IDH1-Mutant Astrocytomas.

Rakesh Halder, Field of Specialization: Aerospace Engineering and Scientific Computing. Dissertation: Data-Driven Surrogate Models for Computational Fluid Dynamics.

Brian David Hall, Field of Specialization: Information. Dissertation: Understanding, Communicating, and Reducing Analytical Uncertainty: Theory, Visualization Designs, and an Augmented Presentation System to Support Validation and Interpretation of a Multiverse Analysis.

Ian Hall, Field of Specialization: Chemistry. Dissertation: Characterization of non-coding regulatory RNA from *Listeria monocytogenes*

Felicia A. Hardi, Field of Specialization: Psychology. Dissertation: Heterogeneity in the Neural Mechanisms of Adversity: Implications for Developmental Risk and Resilience.

Jeremiah Michael Axtell Hauth, Field of Specialization: Mechanical Engineering and Scientific Computing. Dissertation: Advances in Intuitive Priors and Scalable Algorithms for Bayesian Deep Neural Network Models in Scientific Applications.

Wenjia He, Field of Specialization: Computer Science and Engineering. Dissertation: Towards Query Processing in Video Database Management Systems.

Rosemary Elizabeth Henn, Field of Specialization: Cellular and Molecular Biology. Dissertation: Obesity Induced Microglial Activation and its Role in Hippocampal Dysfunction.

Esmeralda Ana Hernandez - Hamed, Field of

Specialization: Higher Education. Dissertation:

Tempered Actions in the Face of Tempered Resistance: Practitioners' Role in Change in Support of Undocumented Students in California Community Colleges.

Matthew Todd Hershey, Field of Specialization: History. Dissertation: Inclination Toward Death: Suicide, Sacrifice, and State Collapse in First World War Germany.

Alexandra Eileen Herzog, Field of Specialization: Oral Health Sciences. Dissertation: Chemoresistance of Head and Neck Cancer Stem Cells.

Alex Paul Hoffmann, Field of Specialization: Climate and Space Sciences and Engineering. Dissertation: Signal Processing Techniques for Spaceflight Magnetometry: Advanced Algorithms for Boomless Magnetic Field Measurements.

Kristen Wai Yan Hong Dorsey, Field of Specialization: Pharmaceutical Sciences. Dissertation: Evaluation of Lipid-Based Nanoparticles for the Treatment of Cardiovascular Diseases.

Yen-Yu Hsu, Field of Specialization: Mechanical Engineering. Dissertation: Mechanosensitive Biological Functions: From Membrane Tension to Synthetic Exocytosis.

Xiaheng Huang, Field of Specialization: Electrical and Computer Engineering. Dissertation: Monolithic Integration and Advancement of Micro-gas chromatography From Components to Systems and From 1D to 2D.

Yiqiao Huang, Field of Specialization: Materials Science and Engineering. Dissertation: Development of Metal Selenide Semiconductor Nanocomposites through Cation Exchange at Room Temperature.

Maheen Humayun, Field of Specialization: Epidemiological Science. Dissertation: Characterizing Socio-Demographic Tuberculosis Disparities and their Underlying Drivers across Subpopulations in both Low and High Burden Settings.

William Hurst, Field of Specialization: Business Administration and Political Science. Dissertation: Diversity, Polarization, and Recruiting.

Sarah Ann Smith Inendino, Field of Specialization: Music: Music Education. Dissertation: The Learning Experiences of Musical Theatre Teaching Artists in a Performing Arts High School.

Mike Ion, Field of Specialization: Educational Studies. Dissertation: Beyond the Classroom: Exploring Mathematics Engagement in Online Communities with Natural Language Processing.

Safa Jabri, Field of Specialization: Mechanical Engineering. Dissertation: Advancing IMU-based Automated Balance Assessment and Rehabilitation through Applied Machine Learning.

Christian Scott Jacobsen, Field of Specialization: Aerospace Engineering. Dissertation: Enhancing Physical Modeling with Interpretable Physics-Aware Machine Learning.

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

Doctor of Philosophy

- Nishant Mangesh Jalgaonkar**, Field of Specialization: Mechanical Engineering. Dissertation: Preemptive Interventions for Carsickness Mitigation and Their Effects on Passenger Task Performance.
- Boonjae Jang**, Field of Specialization: Macromolecular Science and Engineering. Dissertation: Mechanism Study of PVA-based Self-healing Adhesive and Its Applications.
- Ariba Javed**, Field of Specialization: Materials Science and Engineering. Dissertation: Light at the End of the Funnel: Fluorescence-Detected Two-Dimensional Electronic Spectroscopy to Probe Photosynthesis in Bacteria.
- Ebony Desiree Johnson**, Field of Specialization: Sociology. Dissertation: Understanding Healthy Aging Trajectories: The Role of Adverse Life Events, Sociodemographics, and Measurement Strategies.
- Kaylin Jones**, Field of Specialization: Environmental Engineering. Dissertation: The Influence of Local Hydrodynamics on Fish Movement in Fluvial Infrastructure.
- Padma Kadiyala**, Field of Specialization: Immunology. Dissertation: Cellular Crosstalk in Pancreas Cancer Microenvironment: Mechanisms of Tumor Immune Evasion and Immune Suppression.
- Vaishnav Kameswaran**, Field of Specialization: Information. Dissertation: Help Facilitates Accessibility: Understanding the Social and Technology-mediated Experiences of People with Visual Impairments in India.
- Sarah A. Katz**, Field of Specialization: Earth and Environmental Sciences. Dissertation: Andean Interglacial Climate and Hydrology Over the Last 650,000 Years.
- Metin Kayitmazbatir**, Field of Specialization: Mechanical Engineering. Dissertation: Laser Processing of Aluminum Alloys: Hypereutectic Al-Si Surface Remelting and Al6061- RAM2 Additive Manufacturing.
- Ashkan Kazemi**, Field of Specialization: Computer Science and Engineering. Dissertation: Human-Centered Natural Language Processing for Countering Misinformation.
- Bobby N. Kent III**, Field of Specialization: Biomedical Engineering. Dissertation: Spatiotemporal Control of Tendon Healing through Modular, Injectable Hydrogel Composites.
- Sayantana Khan**, Field of Specialization: Mathematics. Dissertation: Dynamics on the Moduli Space of Non-Orientable Surfaces.
- Joseph Taehyung Kim**, Field of Specialization: Robotics. Dissertation: Enhancing Safety, Efficiency, and Resilience in Advanced Air Mobility Through Geofencing, Contingency Landing Management, and Optimized Network Strategies.
- Renaid B. Kim**, Field of Specialization: Bioinformatics. Dissertation: Applications of Machine Learning in Pharmacology and Clinical Decision Support.
- Wesley King**, Field of Specialization: Health Behavior And Health Education. Dissertation: Critical Race Approaches to Understanding Health Inequities Impacting Trans People of Color in the United States.
- Hadrian Kinnear**, Field of Specialization: Cellular and Molecular Biology. Dissertation: Reproductive Impact of Testosterone Therapy in a Transgender Mouse Model.
- Daniel James Knister**, Field of Specialization: Mechanical Engineering. Dissertation: Experimental Study of Cavitation Inception During Vortex-Vortex Interaction and Investigation of Constrained Volumetric Velocimetry Methods.
- Carissa B. Knox**, Field of Specialization: Environment and Sustainability. Dissertation: Using Participatory Modeling to Understand and Manage Complex Adaptive Systems.
- Eunah Ko**, Field of Specialization: Electrical and Computer Engineering. Dissertation: Flexible, Multi-color Michigan Optoelectrodes for Advanced Neuroscience Studies.
- Venkata Nirupama Sumangala Korada**, Field of Specialization: Biophysics. Dissertation: Studies on Steroidogenic Human Aromatase: Exploring Membrane Composition and Alternative Substrates.
- Rebecca Paige Krosnick**, Field of Specialization: Computer Science and Engineering. Dissertation: Improving Web Automation Tools through UI Context and Demonstration.
- Florian Krüger**, Field of Specialization: Electrical and Computer Engineering. Dissertation: Modeling and Optimization of High Aspect Ratio Plasma Etching.
- Molly Elizabeth Kuo**, Field of Specialization: Cellular and Molecular Biology. Dissertation: Defining the Role of Cysteinyl-tRNA Synthetase (CARS1) in Human Recessive Disease.
- Brandon Douglas LaFleur**, Field of Specialization: Nuclear Engineering and Radiological Sciences. Dissertation: Development and Assessment of Machine Learning Techniques for Non-Intrusive Probabilistic Surrogate Modeling of High-Fidelity Nuclear Reactor Simulations.
- Virginia Ann Larson**, Field of Specialization: Chemistry. Dissertation: Earth Abundant Transition Metal Molecular Complexes for Water Splitting.
- Matthew Richard Lasky**, Field of Specialization: Chemistry. Dissertation: Development of Photocatalytic Methods for the Construction of Aryl Carbon-Nitrogen Bonds.
- Jonathan Lee**, Field of Specialization: Chemical Engineering. Dissertation: Application of Hydrogel-Based Materials for Vascular Targeted Drug Delivery.
- Bomi Lee**, Field of Specialization: Political Science. Dissertation: Perception of Economic Standing and Political Participation in Urban Neighborhoods.
- Abbie Diane Leino**, Field of Specialization: Clinical Pharmacy Translational Sciences. Dissertation: Home-based Therapeutic Drug Monitoring for Patient-Centric Precision Dosing of Immunosuppression after Solid Organ Transplantation.

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

Doctor of Philosophy

- Ashley Erin Lenhart**, Field of Specialization: Chemistry. Dissertation: Development of Microfluidic, Immunoassay, Liquid Chromatography, and Mass Spectrometry Methods for Analysis of Islet Cell Secretions.
- Yifan Li**, Field of Specialization: Industrial and Operations Engineering. Dissertation: Model Based Work Assessment: Combining Spatial and Temporal Modeling for Structured Proactive Work Analysis.
- Zongyu Li**, Field of Specialization: Electrical and Computer Engineering. Dissertation: Solving Poisson Inverse Problem with Application to Phase Retrieval and Single Photon Emission Computerized Tomography.
- Zun Li**, Field of Specialization: Computer Science and Engineering. Dissertation: Artificial Intelligence Algorithms for Large Economic and Computer Games.
- Siqi Li**, Field of Specialization: Chemistry. Dissertation: Electrochemical Oxidation of Bio-derivable Alcohols Using Inorganic Materials and Mediators.
- Yuan Li**, Field of Specialization: Microbiology and Immunology. Dissertation: Evolutionary Constraints and Potential of the Influenza A Virus RNA-dependent RNA Polymerase.
- Chengyi Li**, Field of Specialization: Pharmaceutical Sciences. Dissertation: Immuno-therapeutics Modulating B Immunity Against Cancer.
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Jie Cao
Yang Li
Bo Meng
Sarah Rivero Skolnick

Master of Fine Arts

Creative Writing

Diepreye Yenrin Amanah
Sarah Winters Anderson
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Olivia Cheng
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Courtney Ann DuChene
Oluwakemi Idowu Falodun
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Danilo Jose Marin

Michael O’Ryan
Martha Lucia Paz-Soldan
Afsheen Raza Faisal
Sahara P. Sidi
Sara Tewelde

Master of Science

Applied and Interdisciplinary Mathematics

Zikang Jia
Yutong Qing

Applied Physics

Zhengyang Lyu

Applied Statistics

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Victoria Chang
Haotian Chen
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Jonathan Lee Day
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Yulin Gao
Meihui Guo
Shuqing He
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Yunxiao Jiang
Cheng-Yu Ko
Chunyu Li
Xinbei Li

Guanying Liang
Wencong Liang
Xinyu Liang
Chaewon Lim
Fengqi Lin
Yu Lin
Baihan Liu
Heyuan Liu
Muxue Liu
Xiaohan Liu
Xuchen Liu
Yiyang Lu
Shengjie Mao
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Xiangrui Pan
Nathan G. Rosenfeld
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Xiaoyang Sheng
Menghan Shi
Krittin Tangboriboonrat
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Ying Wang
Yuyang Xia
Yuting Xiao
Zicong Xiao

Junjie Xu
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Huiyao Yang
Jiayun Yang
Shichen Yang
Yupeng Yang
Tiger Ye
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Zhaohui Yu
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Yizhou Zhang
Kexin Zhao
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Chemistry

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Hanyi Li
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Ximiao Li
Ning Liang
Tong Lin
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Yue Lu
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Erqian Shangguan

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Songyuan Wu
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Earth and Environmental Sciences

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Ecology and Evolutionary Biology

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Mathematics

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Aayush Dutta
Jia Guo
Abigail May Hess
Sayantan Khan
Riku Kurama
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Justin Jan Liu
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Aakash D. Patel

Javier Ivan Santiago
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Molecular, Cellular and Developmental Biology

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MEDICAL SCHOOL

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Divya Jahagirdar

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Krista Meserve

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Setarah Zandihaghighi

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Translational Research Education

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Bioinformatics

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Matthew Funk

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Zhaowei Han

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Xiayan Li

Jenni Liu

Quancheng Liu

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Yi-Ju Tseng

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d'Altena

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Sepideh Aminmansour

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Riley Francis

Amber Fuchs

Maddie Morrison

Tanvi Sharma

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Public Affairs

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Alejandro Villafuerte

Master of Public Policy

Public Policy

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Zhengye Tang
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Biomedical Engineering

Kiera Leigh Downey
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Xiuru Ruan
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Yuchu Wang
Zekun Wang
Liang-Yuan Wu
Yuxin Xue
Zhifan Xue
Hongyi Yang
Yinhua Yang
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Zhenning Yang
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Rongzhi Zhang
Zige Zhang
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Zixiang Zhou
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Design Science

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Yifan Dong
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Zach Khan
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Bowen Li
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Chia-Hung Lin

Stanley Lin
Wei-Kuan Lin
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Fan Liu
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Engineering Education Research

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Industrial and Operations Engineering

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Sriram Priyadharshan
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Aerospace Engineering

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Chengyue Zhang
Yiran Zhang
Haoran Zhao

COLLEGE OF ENGINEERING

Master of Science in Engineering

Macromolecular Science and Engineering

Fatma Cetinkaya
Oguz Cetinkaya

Materials Science and Engineering

Yu-Shan Chen
Aaron Michael Cooke
Yuxuan Deng
Alexandra Virginia Dewey
Leah Margaret Fleming
Vedant Nitin Gaikwad
Elliott Paul Gorishek
Gabrielle Juliet Grey
Yimo Hou
Jindong Huang
Tzu-Yun Hung
Andrew James Jalbert
Anto Jerish Jeyadimal
Maheshwari Prabhakar Kakade
Jialong Ke
Makoto Kimura
Druva Ram Krishnaswami
Austin Yu-Chen Lan
Jason Matthew Landini
Zhan Liang
Yushen Liu
Eli Jordan Rotman
Joshua David Samuels
Mariella Masforroll Samuels
Dekota Patrick Thies
Chaobo Tong
Forrest James Wissuchek
Zenán Zhang
Allen Gao Zhao

Mechanical Engineering

Ali Alkhalifah
Mohammed Abdullah Alshamlan
Reid Harrison Backus
Adithya Balakrishnan
Sumit Banduni
Joseph Beckett
Madhav Arunkant Bhat
Zachary Brei
James Edward Brynn
Mohammed Fouad A. Buhlaigah
Cole McCall Chaffin
Chia-Chun Chang

Siddharth Chawla
Boer Chen
Yuchen Chen
Yuyuan Chen
Lanzhao Cheng
Tzu-Yin Chung
Kush Dhanwatay
Gaurav Yathish Dhar
Jessica Dillon
Wenlan Dong
Erin Elizabeth Donnelly
Qunzhuo Feng
Brianna Rosalee Fogal
Baudouin Fonkwa Kamga
Evaristo Garcia Reyna
Anan Ghrayeb
Andrew William Gooding
Qilin He
Elizabeth Healy
Max Herzog
Ruiyang Hou
Jerry Huang
Brett W. Hutchison
Saharsh Jaisankar
Zhicheng Kai
Mya Kaufman
Kevin John Kaya
Kyle Krippner
Karina Kshetry
Yunchang Kum
Vanya Lazarevic
Quang Nhat Le
Shiwoo Lee
Hansen Li
Shijie Liang
Chae Woo Lim
Yung-Chun Lin
Erica Liu
Guangyi Liu
Fan Lu
Hanyao Lyu
Yuxin Ma
Margaret Eva Wangari Mungai
Max Sedman Nyffenegger
Jackson O'Connell
Haochi Pan
Aditya Amol Paranjape
Shagun Shitalbhai Parekh
Darsh Devangbhai Patel

Natalie Sahra Peracha
Nicholas James Pett
Anvay Amit Pradhan
Chen Qian
Ziqing Qin
Kumara Vishnu Ramesh
Karen Samara Reyes Carmona
Paola Estefany Rioja
Sisir Sanagala
Sharanya Sarkar
Aarish Shah
Eric Shen
Kewei Shou
Neal Vivek Sinha
Joshua Harvey Snyder
Brandon J. Surhigh
Yuxin Tong
Christopher Henry Tsivitse
William Antonie van den Bogert
Fernando Aurelio Villavicencio
Jingxuan Wang
Hsin Yu Wei
Zhihao Xu
Xingjian Xue
Yuxuan Yao
Nisan Yevdaev
Andrew Yin
Jiangbo Yu
Yue Yu
Tim Zhang
Zhang Zhang
Jiyao Zhao
Haozhe Zhong
Yuhao Zhou

Naval Architecture and Marine Engineering

Brian Axelsen
Joshua Thomas Beatty
Cooper Newell Clark
Sebastian Clark
Daniel Robert Coles
Danny Corrada
Carson Thomas Denman
Dimitri Dikos
Zach Duval
Frank Fee
Minh-Quan The Nguyen
Adam Blackmer Sak

COLLEGE OF ENGINEERING

Master of Science in Engineering

Nuclear Engineering and Radiological Sciences

Marco Daniel Acciarri
James A. Baker, Jr.
Colleen Morgan Campbell
Leandro Javier Frigerio
Jamalina Jamaluddin

Michael Johnson
Ikhwan Khaleb
O. Hwang Kwon
Tessa Elizabeth Maurer
Andrew Paul Panter
Dean Reid Price
Webber Qu

Andrew Victor Quaal
Abdullah Sinjlawi
Chelsea May Tischler
Tyler Joseph Topham
Carolina Vazquez

MARSAL FAMILY SCHOOL OF EDUCATION

Founded in 1921, Elizabeth Birr Moje, Dean

Certificate of Graduate Studies

Learning Experience Design

Bingou Li
Sijie Ling

Oluwaseun Oyindamola Ogunleye
Yuxin Shen

Master of Arts

Educational Leadership and Policy

Clara R. Munkarah
Nada Tadros

Educational Studies

Lisa Louise Bergum
Jessica Nicole Browning
Anthony Tyrone Davis, Jr.
Madeline Dickens
Amna Fazlani
Kerrigan Nicole Fitzpatrick
Hope Rose Kurtz

Bingou Li
Yining Li
Sijie Ling
Hongyi Meng
Stephanie Ogaga
Sydney Ogaga
Oluwaseun Oyindamola Ogunleye
Day Parker
Wenfei Pei
Yuxin Shen
Dongheng Wang

Higher Education

Scott Alan Bunnay
Brett Thomas Cohen
Crista Deneau
Karri Leigh Grob
Megan G. Legault
Yining Li
Vivian M. Nguyen
Jose Romo, Jr.

SCHOOL FOR ENVIRONMENT AND SUSTAINABILITY

Founded in 1927, Jonathan T. Overpeck, Samuel A. Graham Dean

Master of Landscape Architecture

Landscape Architecture

Ziyi Chen
Taryn Emily Farber
Juntao Gao
Michael Alan Grady
Yingxue Guo

Bingqing Han
Jinbo Li
Peiwen Li
Tongyu Lian
Yaqi Liang

Zhicheng Liu
Feixue Qi
Zhaowei Shi
Zhongyi Zhang
Yilun Zhao

Master of Science

Environment and Sustainability

Vincent Ader
Hira Ahmad
Emily Lucia Alexander
Brooke Faulkner Alsterlind
Kyle James Anderson
Sarah Elizabeth Andrews
Walid Ahmad S. Bamehriz
John Schaefer Baylis
Andrea Marie Behrmann
Rebecca Beilinson
Lauren Elizabeth Bennett
Kelly Benoit
Prutha Satish Bhide
Nivedita Biswal
Esha Biswas
Natalie Justine Britton
Jillian Kimball Brown
Chloe Demetria Brush
Sophie Bryden
Reva I. Butensky
Adrienne Calistri-Yeh
Xinyue Che
Fang Chen
Ziyi Chen
Lanzhao Cheng
Victoria Hoiling Cheung
Yoonseo Choi
Mya Claire Curth
Naomi Cutler
Weiham Dai
Jill Dannis
Sophie Daudon
Simrin Kaur Dhillon
Sarah Dieck Wells
Catherine Olivia-Julie Diggs
Shiyu Ding
Olivia Linn Downey
Mary Rose Edwards
Rachel Leah Fink
Samuel Edward Fleckenstein
Brianna Rosalee Fogal
Elijah Theodore Forrester

Satara Mae Fountain
Aaron Friedman-Heiman
Tzu-Yun Fun
Lauren Ashleigh Furey
Angelo Gagliardi
Priya Rose Kaur Gahir
Maia Z. Gallagher
Deanna Joy Geelhoed
Katherine Geraghty
Japjyot Singh Goomer
Francesca Governali
Bailey Renae Greene
Megan Gross
Gany Gunawan
Carly Rose Hagen
Ginger Marie Harris
Ilse Joné Hassler
L'Oreal M. Hawkes-Williams
Elizabeth Healy
Katelyn Breann Heflin
Samuel Erick Heilman
Nayethzi Hernandez
Jared Holter
Anna-Sophie Hoppe
Hejing Hu
Lis Huang
Ena Rose Humphries
William Stanley James
Ashley Marie Jankowski
Victoria Adele Jenkins
Laramie August Jeudé
Georgina Elizabeth Johnston
Supreya Kesavan
Lora Kralik
Benjamin Paul Krueger
Tyler Brooke Loucky LaBerge
Ryleigh Jae Landstra
Dongchen Lang
Allie Renea Lawler
Gahyun Lee
Katherine McKenzie Leeson
Caroline Leland
Latia Maria Leonard

Skyler Grace Leslie
Francesca Biancalani Levethan
Jinbo Li
Peiwen Li
Yuan-Chi Li
Tianshu Lin
Yiyi Liu
Veronika Lynn Lubeck
Andrea Alyssa Mahieu
Jared Scott Mandelbaum
Alexandria Nicole Martin
Ashley Elizabeth Martinez
Diana Martinez
Sierra Nicole Mathias
Gautam Mathur
Daniel J. McConnell
Abigail Marie McDowell
Cassandra McHugh
Taylor Kaili McKenzie
Megan Louise McLaughlin
Summer Mengarelli
Taylor L. Mitchell
Danielle Lisa Moore
Maya Rose Morgan
Jillian Cecilia Morissette
Zachary Cormack Nerod
Haley Neuenfeldt
Ann Marie Nicholson
Bailey Nock
Alifaire Henny Noreen
Jenna Nutter
Claire Gertrude O'Dea
John Olusegun Okunade
Maxwell Palese
Lars Panquin
Shagun Shitalbhai Parekh
Madison Josephine Parrish
Daniel Carrington Patmon
Meghna Patnaik
Zirui Peng
William John Pevac

SCHOOL FOR ENVIRONMENT AND SUSTAINABILITY

Master of Science

Environment and Sustainability

Dana Schultz Pflughoeft
Katherine Andrea Plaxe
Albert Ronquillo Ponce
Kayla Anne Pringle
Srikari Shambhavi Punyamurtula
Feixue Qi
Alex Reid
Francisco Daniel Rentería Macedo
Caroline Jane Resor
Margot Elizabeth Ridgeway
Hannah Michelle Rieders
Madeline Helen Rieders
Macy Nicole Robinson
Nicholas Eduardo Rojas
Alexis R. Rolling
Cameron Bayard Scharff
Catherine Mae Seguin
Shagun Sengupta
Bhavarth Shah
Emilia Lynn Shokoohi

Bangzhao Shu
Jessica C. Silber-Byrne
Angie F. Sillah
Alyssa Marie Sklar
Isaac Matthew Smith
Margerie Louise Snider
Charles Song
Charles August Spieske
Grant Matthew Sprague
Arianna Stokes
Ian P. Stone
Kausthubh Sumanth
Alexandra L. Sung-Jereczek
Valerie Tafoya
Ziwen Tan
Sailing Jane Tak Tang
Maxwell Blake Tanner
Sara Kristin Thiessen
Carolyn A. Thompson
Brooke Meredith Troxmondo

Jordan Matthew Truitt
Aiko Ueda
Dominique Asha Valentine
Taylor Valentine
Daniel Alexander Vargas Weil
Natasha Vatalaro
Sai Bhargav Reddy Vootkuru
Carmen Marie Wagner
Keyu Wan
Yuer Wang
Kristina Marie Waterbury
Yuping Wei
Savannah Irene Whaley
Haley Brooke Willman
Tiffany Win
Ruoyu Wu
Mengfan Yu
Mengxiao Zhang
Yilun Zhao
Zhu Zhu

SCHOOL OF MUSIC, THEATRE & DANCE

Founded in 1929, David A. Gier, Dean

Master of Arts

Media Arts

Sin-Yu Deng
David Lee Lile Minnix
Adam Gerald Schmidt
Qi Shen

Music Composition

Mattie Grace Levy

Master of Fine Arts

Dance

Gloria Ahlijah
Jason Reese Cianciulli
Sreya Muthukumar
Kara Adrienne Roseborough

A. ALFRED TAUBMAN COLLEGE OF ARCHITECTURE AND URBAN PLANNING

Founded in 1931, Jonathan Massey, Dean

Certificate of Graduate Studies

Healthy Cities

Bingqing Han
Rohini Perera

Real Estate Development

Issam Mohsen Al-Harhara
Ryo Goibuchi
Jessica Hobbs

Aditya Jaiswal
Paul Wojciech Juda
Ashley Elizabeth Martinez
Ammarnath Namakkal Vani
Gopinat
Takaaki Obayashi
Ipsha Manojbhai Patel

Urban Informatics

Tianshu Lin
Yunyang Ma
Vaidehi Malay Shah
Ziwen Tan

Master of Science

Architecture Design and Research

Maho Kobayashi

Master of Urban and Regional Planning

Urban and Regional Planning

Maya Grace Barnes
Isabella Fern Beshouri
Catherine Olivia-Julie Diggs
Sara M. Faraj
Tara Grebe
Aritra Gupta
Jessica Hobbs
Emily Worth Huhman
Ashley Marie Jankowski
Clare Elizabeth Kelley

Ryotaro Konishi
Andy Rei Larsen
Xianwei Lei
Marisol Mendez
Gabriel Monett
John Wesley Morrow
Nkule Mseleku
Tahir Fernando Noronha
Lunia Evodie Oriol
Keiaron Randle

Upasana Roy
Vaidehi Malay Shah
Theodore Aaron Wechsler Shapinsky
Griffin Elizabeth Sproul
Yifei Sun
Revati Jayant Thatte
Brooke Meredith Troxmondo
Megan Wakefield
Xinhai Zhang
Yiyun Zou

SCHOOL OF PUBLIC HEALTH

Founded in 1941, F. DuBois Bowman, Dean

Master of Science

Biostatistics

Justice Akuoko-Frimpong
Reeta Marie Bhanini
Siwei Cao
Nelsy Castro Webb
Borui Chen
Kangli Chen
Nuona Chen
Qiaochu Chen
Xingran Chen
Yuxi Chen
Elena Sejin Chun
Yifei Dai

Zongrui Dai
Feiyang Deng
Qiaoran Dong
Yuting Duan
Ebo Essilfie-Amoah
Xiwen Feng
Yuan Feng
Emily Rebecca Geis
Siyu Gong
Lin Yin Guo
Yijun Guo
Yeseul Ha
Scarlett He

Mengtong Hu
Yaxuan Huang
Jiyuan Jiao
Michael Robert Kaye
Jamie Ki
Claire Weilan Kong
Robert Christian Langefeld
Mingrui Li
Wenjing Li
Xinjue Li
Ana Laura Licon
Tzu-Hsuan Lin
Wenzhuo Lin

SCHOOL OF PUBLIC HEALTH

Master of Science

Biostatistics

Stacy Liu
Junxian Liu
Lufeiya Liu
Zejia Liu
Sophia Luo
Matelyn Mason
Abigail Mauger
Hengde Ouyang
Longhao Pang
Jiaxin Qian
Leyuan Qian
Shushun Ren
Tiffany Lynn Russell
Casey Joseph Schmidt
Caitlin Patricia Seibel
Edward Shao
Jianxiong Shen
Chongwei Shi
Sangyi Su
Anqi Sun
Jiangyu Sun
Junzhi Sun
Menghui Sun
Zhiyi Sun
Jonathan D. Ta

Ziwei Tian
Rachel Brooke Tucker
Ruixuan Wang
Yinbo Wang
Yaodong Xin
Chang Yan
Tai Yang
Anran Yao
Ye Yao
Huizi Yu
Weiyu Zeng
Yixuan Zeng
Joy Zhang
Mengxue Zhang
Zhehan Zhang
Zhilin Zhang
Jingyu Zhao
Wenrui Zhao
Jialu Zhou

Clinical Research

Rachel S. Botbyl

Computational Epidemiology and Systems Modeling

Thomas Kaan Cooper
Chloe Huang

Environmental Health Sciences

Layla Rose Landeros
Anchal Malh
Jenna Lynn Miller
Kristan Arlene Rains
Jiahe Tian

Epidemiological Science

Darian Jay Santana

Nutritional Sciences

Nicole Anne Bopp
Soverno Chen
Ina Gjoka
Shafaa Ikram
Jiayin Liu
Adelaide Baylin Temkin

Toxicology

Michael Mawuko Akpabey
Isabelle Renee Melis
Tiffany Lynn Russell

SCHOOL OF SOCIAL WORK

Founded in 1951, Beth Angell, Dean

Certificate of Graduate Studies

Community Action and Research

Adeli Ver Bryck Block

UNIVERSITY OF MICHIGAN-FLINT

Founded in 1956, Donna Fry, Interim Chancellor

COLLEGE OF ARTS AND SCIENCES

Master of Arts in Arts Administration

Lisa A. Bilaski

Master of Arts in Liberal Studies

Megan Smalley
Zee D. Thomas

Master of Arts in Public Administration

Darlene L. Chivinsky
Brian A. Coty
Jessica R. Flint

Patsy C. Hendy
Emily K. Leonard
SUNDAR Ravikumar

Tina Sain

UNIVERSITY OF MICHIGAN-DEARBORN

Founded in 1959, Domenico Grasso, Chancellor

COLLEGE OF ENGINEERING AND COMPUTER SCIENCE

Master of Science

Engineering Management

Keven Douglas Gee
Brandon Thomas Hill
Alexander W. Mishler

Program and Project Management

Zackary Michael Staley

Master of Science in Engineering

Automotive Systems Engineering

Justin Daniel-Dewitt Dow
Heeseong Kim
Hariom Sharma
David J. Wickenheiser

Industrial and Systems Engineering

Riham Ali Hazime
Farah Mohammad Bakri

Electrical Engineering

Omar N. Aljabali
Jonathan A. Bauer
Zachary Kyle Moul

Mechanical Engineering

Matthew Daniel Lijewski

UNIVERSITY OF MICHIGAN-DEARBORN

Doctor of Philosophy

Computer and Information Science

Abderrahmen Amich

Electrical, Electronics Computer Engineering

Zaid Amjad Jamil El Shair

Mechanical Sciences and Engineering

Youyi Chen

SCHOOL OF INFORMATION

Founded in 1969, Andrea Forte, Dean

Master of Arts

Information

Hana Galijasevic

Liz Marquis

PENNY W. STAMPS SCHOOL OF ART & DESIGN

Founded in 1974, Carlos Francisco Jackson, Dean

Master of Fine Arts

Art

Simranpreet Kaur Anand

Leah Crosby

Jessie Thomas Karlsberger

Nicholas Jared La Marca

Abigail Susan Lowe

Stephanie Morissette

Krista Louise Sheneman

SCHOOL OF KINESIOLOGY

Founded in 2008, Lori Ploutz-Snyder, Dean

Certificate of Graduate Studies

Physical Activity and Nutrition

Shuyuan Lu

SCHOOL OF KINESIOLOGY

Master of Science

Athletic Training

Rebekah Logan Altenburger
Taylor Ruthanne Brown
Mya S. Copado
Kathryn Donnelly
Edna Shiu
Emersen Grace Smith
Ty Watson Sovic

Movement Science

Hala Issam Abbas
Nikola Acin
Qintong Bao
Sydney Bitar
Jiayu Cai

Sanjay Dronavalli
Aysha Hani Hussein
Shuyuan Lu
Jodi Gita Motlagh
Danielle Renee Page
Yingzhe Qian
Ariana Elizabeth Shokoohi
Brielle Smith
Luke Stoneback
Paige Ann Straus

Sport Management

Susan Bansbach
Shantaris Brown
Lucas Alexander Clarke

David Arthur Corey
Kuangchen Du
Paige Eno
Xinyi Ge
Lauren Hansen
Jessica Margaret Henningsen
Cameron Krol
Junior Lopez-Perez
Zachary Aaron Puente
Zhoushu Qiao
Lachlan Thomas Sawall
David Woelkers, Jr.
Jingze Zhang
Haotong Zhu

UNIVERSITY OF MICHIGAN GRADUATES

August 2024

The following is a preliminary list of the candidates for degrees
to be granted upon completion of formal requirements.

COLLEGE OF LITERATURE, SCIENCE, AND THE ARTS

Founded in 1841, Anne Curzan, Dean

Certificate of Graduate Studies

Science, Technology, and Society

Elana Khanem Maloul

Master of Arts

Sociology

Levity Arthur Smith

Master of Science

Chemistry

Nicole Kathleen Orwat

Ecology and Evolutionary Biology

Anah Soble

MEDICAL SCHOOL

Founded in 1850, Marschall S. Runge, Dean

Master of Science

Bioinformatics

Jenna H. Veenstra

Pharmacology

Xinye Wang

Health and Health Care Research

Erin Elizabeth Isenberg

Physiology

Hassan Ajrouche

Lorelei Baron

Selena Batista

Bridget Hannah Brady

Justin William Darragh

Arjun Kundan Jha

Krishna Sai Koka

Devon Grace Krasner

Bo Ryung Lee

Kristen M. Machado Diaz

Abdullah Masri

Mariam Nazjoo

Jenni T. Nguyen

Helly Rakesh Patel

Nicole Pereira

Logan Przysiecki

Mohammed Abdul Rasheed

Tilly Simpson

Katlyn Strong

Andrew Ryan Witty

Shuang Di Zhang

Shengyi zhou

SCHOOL OF DENTISTRY

Founded in 1875, Jacques Nör, Dean

Master of Science

Restorative Dentistry

Ghaida Raja H. Althebeti

Hiba Usman

Jeremy Wade

COLLEGE OF PHARMACY

Founded in 1876, Vicki Ellingrod, Dean

Master of Science

Integrated Pharmaceutical Sciences

Zhiling Guo
Yuan Hang
Yuxin Huang

Ruohan Liu
Tao Liu
Andrea Maser
Maisa Nazzal
Ethan Malcom Roberts

Maira Ashif Vahora
Benyu Yang

Pharmaceutical Sciences

Ziyun Xia

COLLEGE OF ENGINEERING

Founded in 1915, Steven L. Ceccio, Interim Dean

Master of Science

Biomedical Engineering

Emily Bence

Khush Kapadia
McKenna Owens

Robotics

Michael Guertler
Alyssa Tamvakis

Design Science

Anshika Agrawal
Jamie Fayne Blatnikoff

Electrical and Computer Engineering

Yongmo Park

Master of Science in Engineering

Biomedical Engineering

Mary Elaine Dickenson
Wutt Hmone Thin Kyi
Liam Matthews
Eleanor Marie Plaster

Nicole Marie Racca
Ingrid Lawton Rosko
Taylor Therese Schissel
Delaney Snow Sinko
Sydney Noelle Wheeler

Industrial and Operations Engineering

Rachel Divinagracia

MARSAL FAMILY SCHOOL OF EDUCATION

Founded in 1921, Elizabeth Birr Moje, Dean

Master of Arts

Educational Leadership and Policy

Carina Huang
Xiaohui Wang

Educational Studies

Sophie Brown
Brianna Bui
Danielle Renae Bushaw
Nick Chaconas
Hannah Cheng
Chloe Cox
Abigail Dejene
Reshma Desai
Eliza Joy Feinberg

Catharine Elizabeth Fennessey
Cristian Garcia Garcia
Haden Alexis Gross
Troy Herd
Jason Houck
Aileen Hurtig
Naseebah Ikram
Maddie Johnson
Anna Daly Kauffman
Greta Klaus
Heather Leann Kobasic
Minji Kwon
Zachary Michael Loyd
Anna Elizabeth McPhee
Justin Mendoza

Ryley Menges
Maggie Miron
Eric Musehl
Brianna Lynn Neeb
Enrique Pena
Keron Perry
Evelyn Pettit
Samantha Allison Phillips
Cassandra Maye Prokopowicz
Chloe Louise Marie Ruelle
Hannah Ryniak
Max Satin
Sarah Sherrick
Samira Shire
Sarah Smolinski

MARSAL FAMILY SCHOOL OF EDUCATION

Master of Arts

Educational Studies

Sheri Uchiyama
Henry Eaton Upton
David Eric Vanamburg
Nicholas Volpe
Samuel Paul Weller

Kyle S. Whitehouse
Shyanne Ilene Wiley
Qingqing Yan

Higher Education

Stacie Benison
Olivia Jayakar
Tiffany Marie Komon
Rachel Sutton
Rachel Elizabeth Watson

Master of Science

Educational Studies

Danielle Maxwell

SCHOOL FOR ENVIRONMENT AND SUSTAINABILITY

Founded in 1927, Jonathan T. Overpeck, Samuel A. Graham Dean

Master of Landscape Architecture

Landscape Architecture

Vishnu Santosh Reddy Kusam
Margaret Neidhardt Lobbeg

Master of Science

Environment and Sustainability

Brittany May Amaral
Ariana Bautista
Sanya Bery

Spencer Morgan Checkoway
Emma Fagan
Evan Jerome Hill
Patrick Michael Killian

Vishnu Santosh Reddy Kusam
Pendle Faith Marshall-Hallmark

SCHOOL OF PUBLIC HEALTH

Founded in 1941, F. DuBois Bowman, Dean

Master of Science

Biostatistics

Xi D

UNIVERSITY OF MICHIGAN-FLINT

Founded in 1956, Donna Fry, Interim Chancellor

COLLEGE OF ARTS AND SCIENCES

Master of Arts in Liberal Studies

James Dehuelves
Luis Hernandez III

Master of Arts in Public Administration

Laura A. Martin

SCHOOL OF KINESIOLOGY

Founded in 2008, Lori Ploutz-Snyder, Dean

Master of Science

Sport Management

Kylie Lison
Samantha Santana Saenz
Mack Timbrook
Julia Vess

The Yellow and Blue

Michael W. Balfe

4 Sing to the col-ors that float in the light; Hur-rah for the Yel-low and

7 Blue! Yel - low the stars_ as they ride thro' the night, And

10 reel in a rol - lick - ing crew Yel - low the fields where

13 rip - ens the grain, And yel-low the moon on the har - vest_ wain; Hail!

Hail to the col-ors that float in the light; Hur-rah for the Yel-low and Blue!

Nondiscrimination Policy Statement

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Freedom of Expression and Disruptions

Thank you for attending this event.

Along with many other college campuses, we occasionally encounter disruptions during campus events. When that happens we strive to de-escalate the disruption and continue with the event. We appreciate your cooperation and understanding.

As a public university and an institution committed to diversity of thought and freedom of expression, the University of Michigan has many forums where members of the University community, speakers, artists, invited guests, and/or the general public can express their views and opinions. Yet not all University spaces or events are forums where everyone is invited to speak, perform, or gather.

No one is entitled to substantially disrupt the lawful speech or activities of others.

If the hosts of this event or university representatives believe that disruptions are interfering unduly with an event, they will, typically, warn the disruptors, and if the warnings are not heeded, then the disruptors may be removed from the event.

Learn more on our website: commencement.umich.edu

THE YELLOW AND BLUE

Sing to the colors that float in the light;
Hurrah for the Yellow and Blue!
Yellow the stars as they ride thro' the night,
And reel in a rollicking crew;

Yellow the fields where ripens the grain,
And yellow the moon on the harvest wain – Hail!

Hail to the colors that float in the light;
Hurrah for the Yellow and Blue!

THE VICTORS

Hail! to the victors valiant,
Hail! to the conqu'ring heroes,
Hail! Hail! to Michigan
the leaders and best.

Hail! to the victors valiant,
Hail! to the conqu'ring heroes,
Hail! Hail! to Michigan
the champions of the West!

