



UNIVERSITY OF MICHIGAN

*Rackham
Graduate
Exercises*

May 3, 2019 | Hill Auditorium



*Honoring the
Class of 2019*

RACKHAM GRADUATE EXERCISES UNIVERSITY OF MICHIGAN

May 3, 2019
10:00 a.m.

Candidates for graduate degrees are recommended jointly by the Executive Board of the Horace H. Rackham School of Graduate Studies and the faculty of the school 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 then by specialization, if applicable.

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A preliminary list of August 2019 degree candidates begins on page 43.

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

ORDER OF EXERCISES

Carillon Selections

Tiffany Ng
*University Carillonist and Assistant Professor of Music
School of Music, Theatre & Dance*

Prelude

Pièce d'Orgue, BWV 572
Composed by Johann Sebastian Bach
James Kibbie
*University Organist and Professor of Music
School of Music, Theatre & Dance*

***Processional**

Trumpet Voluntary
Composed by Jeremiah Clarke
James Kibbie

***The National Anthem**

The Star Spangled Banner
Kelly Bixby
Soloist
Doctor of Musical Arts Candidate, School of Music, Theatre & Dance

Welcome

Martin A. Philbert
Provost and Executive Vice President for Academic Affairs

Statement to the Class of 2019

Mark S. Schlissel
President

Musical Selections

You'll Never Walk Alone
Composed by Richard Rodgers
Lyrics by Oscar Hammerstein II
Arranged by William Stickles

The University
Composed by Jerry H. Bilik and Hazen J. Schumacher

University of Michigan Men's Glee Club
Mark Stover
Conductor

Commencement Address

Randy Schekman
*Howard Hughes Medical Institute Investigator
Professor of Cell and Developmental Biology
University of California, Berkeley*

Remarks on Behalf of the Horace H. Rackham School of Graduate Studies

Michael J. Solomon
*Dean, Horace H. Rackham School of Graduate Studies
and Vice Provost for Academic Affairs—Graduate Studies*

**Candidates for Master's
Degrees and Certificates**

Mark S. Schlissel
Michael J. Solomon

**Presentation and Hooding
of Doctoral Candidates**

Mark S. Schlissel
Michael J. Solomon

Congratulations

Ellen Agress
Chair of the Board of Directors, Alumni Association

***The Alma Mater**

The Yellow and Blue
Composed by Michael W. Balfe
Accompanied by James Kibbie
(see music and lyrics on page 49)

***Recessional**

Toccata from Symphony V
Composed by Charles-Marie Widor
James Kibbie

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
Michael J. Behm	Grand Blanc
Mark J. Bernstein	Ann Arbor
Paul W. Brown	Ann Arbor
Shauna Ryder Diggs	Grosse Pointe
Denise Ilitch	Bingham Farms
Ron Weiser	Ann Arbor
Katherine E. White	Ann Arbor
Mark S. Schlissel	<i>ex officio</i>

EXECUTIVE OFFICERS

Mark S. Schlissel	<i>President</i>
Martin A. Philbert	<i>Provost and Executive Vice President for Academic Affairs</i>
Thomas A. Baird	<i>Vice President for Development</i>
Sally J. Churchill	<i>Vice President and Secretary of the University</i>
E. Royster Harper	<i>Vice President for Student Life</i>
Kevin P. Hegarty	<i>Executive Vice President and Chief Financial Officer</i>
S. Jack Hu	<i>Vice President for Research</i>
Timothy G. Lynch	<i>Vice President and General Counsel</i>
Kallie Bila Michels	<i>Vice President for Communications</i>
Ravi Pendse	<i>Vice President for Information Technology and Chief Information Officer</i>
Marschall S. Runge	<i>Executive Vice President for Medical Affairs</i>
Cynthia H. Wilbanks	<i>Vice President for Government Relations</i>
Susan E. Borrego	<i>Chancellor University of Michigan-Flint</i>
Domenico Grasso	<i>Chancellor University of Michigan-Dearborn</i>

DEANS AND REPRESENTATIVES

Michael S. Barr	<i>Joan and Sanford Weill Dean of Public Policy, Gerald R. Ford School of Public Policy</i>
F. DuBois Bowman	<i>Dean, School of Public Health</i>
Elizabeth R. Cole	<i>Interim Dean, College of Literature, Science, and the Arts</i>
James T. Dalton	<i>Dean, College of Pharmacy</i>
Scott DeRue	<i>Edward J. Frey Dean of Business, Stephen M. Ross School of Business (represented by Senior Associate Dean Francine Lafontaine)</i>
Thomas A. Finholt	<i>Dean, School of Information</i>
Alec D. Gallimore	<i>Robert J. Vlasic Dean of Engineering, College of Engineering</i>
David A. Gier	<i>Dean, School of Music, Theatre & Dance</i>
James L. Hilton	<i>University Librarian and Dean of University Libraries</i>
Patricia D. Hurn	<i>Dean, School of Nursing</i>
Jonathan Massey	<i>Dean, A. Alfred Taubman College of Architecture and Urban Planning</i>
Laurie K. McCauley	<i>Dean, School of Dentistry (Represented by Professor Vesa Kaartinen)</i>
Elizabeth Birr Moje	<i>Dean, School of Education</i>
Gunalan Nadarajan	<i>Dean, Penny W. Stamps School of Art & Design (represented by Associate Professor John Marshall)</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>
Lynn Videka	<i>Dean, School of Social Work</i>
Mark D. West	<i>Dean, Law School</i>

COMMENCEMENT SPEAKER

Randy W. Schekman

Howard Hughes Medical Institute Investigator

Professor of Cell and Developmental Biology

University of California, Berkeley



Nobel Laureate Randy Schekman, professor of cell and developmental biology at the University of California, Berkeley (UC Berkeley), and a Howard Hughes Medical Institute investigator, is one of the world's preeminent biologic scientists. In 2013, he, James Rothman, and Thomas Südhof shared the Nobel Prize in Physiology or Medicine "for their discoveries of machinery regulating vesicle traffic, a major transport system in our cells." Professor Schekman, who was born in St. Paul, Minnesota, and grew up near Long Beach, California, earned a B.A. degree in molecular biology (1971) from the University of California, Los Angeles, and a Ph.D. in biochemistry (1975) from Stanford University, where he studied the enzymology of DNA reproduction. A UC Berkeley faculty member since 1976, Professor Schekman investigates the mechanism of membrane protein traffic in the secretory pathway in eukaryotic cells. Beginning with a genetic and biochemical dissection of the pathway in the yeast *Saccharomyces cerevisiae*, he discovered the mechanisms by which eukaryotic cells transport proteins from point of origin to where they perform their functions. The genes and proteins his laboratory discovered in yeast have counterparts in all eukaryotes and have been implicated in several human genetic diseases. His research has encouraged the

biotechnology industry to use yeast as a platform to produce clinically important human secreted proteins, including recombinant human insulin. The world's supply of recombinant hepatitis B vaccine is made in vesicles produced in yeast. Because hepatitis B infection is the major cause of liver cancer, the vaccine promises to reduce the incidence of liver cancer by 90 percent. In recent years, his lab has turned from yeast to mammalian cell culture to investigate other aspects of human physiology and disease. Professor Schekman, founding editor of the open access online journal *eLife*, previously edited *Proceedings of the National Academy of Sciences* and is a past president of the American Society for Cell Biology (ASCB). He also is an exceptional teacher known for conveying complex information in an engaging way, and has trained leading scientists now working at the world's top academic institutions. An enthusiastic supporter of basic biological research, he donated his Nobel Prize proceeds to UC Berkeley to create the Esther and Wendy Schekman Chair in Basic Cancer Biology in memory of his mother and sister, who both died of cancer. He is a charter member of U-M's Life Sciences Institute Scientific Advisory Board and authoritative spokesperson on the important role public universities play in advancing science. Professor Schekman is a member of the American Academy of Arts and Sciences, the American Philosophical Society, and the National Academy of Sciences. Among other honors, he has been recognized with the Albert Lasker Award for Basic Medical Research, the Canada Gairdner Foundation International Award, and the E.B. Wilson Medal from the ASCB.

Professor Schekman, you are transforming molecular biology and the life sciences with your distinguished contributions as a researcher, educator, academic publisher, and champion of public universities and basic research. Students and younger colleagues are inspired by your success in identifying important research questions and addressing them with innovative approaches and scientific rigor — actions that have generated pioneering breakthroughs and new fields of discovery. The University of Michigan is delighted to welcome you back to campus and proud to present to you the honorary degree, Doctor of Science.

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 and so it is fitting that dissertation chairs of the doctoral graduates be asked to attend the ceremony and hood their students.

Fred C. Adams	Margaret E. Dewar	Zhong He
Eytan Adar	Jose Antonio Diaz	Gabrielle Hecht
Tatjana Aleksic	Christopher William Dick	Kathryn Lake Heinze
John Edmond Allison	Matt Diemer	Jonathan Helm
Chandra L. Alston	Dana Dolinoy	Andrew H. Herscher
Evelyn Azeza Alsultany	Gregory E. Dowd	Allen D. Hicken
Sara Jo Aton	Gregory R. Dressler	Peter F. Hitchcock
Todd M. Austin	Jatin Dua	John W. Hoard
Rian Bahram	Luming Duan	Michael T. Hopkins
Deborah Loewenberg Ball	Izak Duenyas	Wallace J. Hopp
Laura Kathryn Balzano	Frieda Ekotto	June M. Howard
Mousumi Banerjee	Sherif El-Tawil	Vincent L. Hutchings
Carol B. Bardenstein	Michael R. Elliott	David W. Hutton
Mark A. Barreau	Brian Robert Ellis	Shigeki Iwase
Bart Bartlett	Nick Ellis	Kate Jenckes
Debra Barton	Tulga Ersal	Lizhen Ji
Ana Baylin	Xudong Fan	Ruiwei Jiang
Robin Andrew Beck	Hussein Anwar Fancy	Judy Jin
Udo Becker	Jeffrey A. Fessler	Eric Johnsen
Alex F. Bielajew	Krzysztof J. Fidkowski	Benjamin Alexander Jorns
David S. Bieri	C. Alberto Figueroa	Susan M. Juster
Abigail Winslow Bigham	Cindy Finelli	Emily M. Jutkiewicz
Julie Suzanne Biteen	Daniel C. Fisher	Vineet Rajendra Kamat
Gabriele Boccaccini	Barry Jay Fishman	Smadar Karni
Andre L. Boehman	Kate Rebecca Fitzpatrick	Ryan Kellogg
Phillip Jess Bowman	Shelly Beth Flagel	Jeffrey Kidd
Iain D. Boyd	Paul Joseph Fleming	Jinsang Kim
Kristy K. Brock	Caryl Flinn	John Kim
Steven P. Broglio	Florence Forbes	John Kingston
Elizabeth Eve Bruch	Stephen R. Forrest	Emmanouil Kioupakis
Sarah Andrea Burgard	Sara L. Forsdyke	Shinobu Kitayama
John C. Burkhardt	Alec D. Gallimore	Valerie Ann Kivelson
Charles A. Cain	Mirko Gamba	Alexander D. Knysh
Myron K. Campbell	Amanda Lee Garner	Kenneth W. Kollman
Christin Carter-Su	Vikram Gavini	Ilya Vladimir Kolmanovsky
Christi-Anne Castro	Elaine K. Gazda	Eric Adam Kort
Steven L. Ceccio	Anne Ruggles Gere	Kenneth Michael Kozloff
Yuqing Chen	Yogesh B. Gianchandani	Paul H. Krebsbach
Wei Cheng	Anouck Renee Girard	Ethan F. Kross
Beata Chertok	Sharon C. Glotzer	Mikhail Krutikov
Cynthia Anne Chestek	Margaret E. Gnegy	Kevin Kubarych
Timothy E. Chupp	Mitchell M. Goodsitt	Amy C. Kulper
Mark Allan Clague	Anthony Grbic	Kenichi Kuroda
William Robert Clark	Joan M. Greve	Alex Kuzmich
Matthew David Collette	Linda N. Groat	Karyn R. Lacy
Terri Conley	Michael Charles Gross	Stephane Lafortune
Colleen M. Conway	Erdogan Gulari	Scott D. Larsen
Jason Corso	L. Jay Guo	Matthew D. Lassiter
Javier Cravino	Michael L. Haithcock	Lisa Rose Lattuca
Steven Thomas Cundiff	Kristina I. Hakansson	Mariel Lavieri
Shanna Daly	J. Alex Halderman	Elizabeth Lawlor
Sharlene M. Day	Kelli S. Hall	Jon Lee
Jason P. De Leon	Richard L. Hall	SangHyun Lee
Philip J. Deloria	Timothy Lewis Hall	Laura Lein
Avery H. Demond	Will Hansen	Andrei A. Levchenko
Hui Deng	Kristen S. Harrison	Margaret C. Levenstein
Jia Deng	Lucy Hartley	Jun Li
Brian Denton	Xuming He	Nina Lin

DISSERTATION CHAIRS

Yili Liu
Wei Lu
David K. Lubensky
Laura M. MacLatchy
Ramaswami Mahalingam
Stephen Maldonado
Z. Morley Mao
Joyce Marcus
David M. Markovitz
Jason Mars
Neil Marsh
Brent Randall Martin
Emily Toth Martin
Johanna Mathieu
Martha M. Matuszak
Adam J. Matzger
Heather B. Mayes
Jason Paul McCormick
John Doyle McMorrough
John D. Meeker
Geeta Mehta
Stefano Mengozzi
Edgar Meyhofer
Zetian Mi
Daniel Eugene Michele
Rada Mihalcea
Jon Matthew Miller
Joshua L. Miller
Brian K. Min
Farina Mir
Elizabeth B. Moje
Christopher Stephen Monk
Bethany B. Moore
Jonathan David Morrow
Andrew G. Muntean
Martin J. Murray
Susan Murray
Mircea Immanuel Mustata
Pavel Nagorny
Khalil Najafi
Richard L. Neitzel
Daniel J. Nemser
Jun Ni
Zaneta Nikolovska-Coleska
Jacques Eduardo Nor
Patrick O'Brien
Chinedum Emmanuel Okwudire
Edwin Olson
Akira Ono

Iain Guthrie Osgood
Leopoldo A. Pando Zayas
Marina Pasca Di Magliano
Huei Peng
Marc Perlin
Becky Lorenz Peterson
Karen Eileen Peterson
Seth Pettie
Shachar Pinsker
Kevin Patrick Pipe
Matthew Plumlee
Sara A. Pozzi
S. Sandeep Pradhan
Aswin Punathambekar
William Rainey
Jeroen Ritsema
Deborah Rivas-Drake
Eugene Cardell Rogers, Jr.
Matthew Stephen Ronfeldt
Gustavo Rosania
Stephanie J. Rowley
Romesh Saigal
Denise M. Saint Arnault
Linda C. Samuelson
Melanie S. Sanford
Pramod Sangi Reddy
Kamal Sarabandi
Corinna Schindler
Francesca Schironi
Thomas M. Schmidt
Thomas Andrew Schwarz
Anna A. S. Schwendeman
Steven P. Schwendeman
Clayton D. Scott
Peter J. Scott
Timothy Francis Scott
Benjamin M. Segal
JoAnn M. Sekiguchi
Priti R. Shah
Lonnie David Shea
Siqian May Shen
David H. Sherman
Cong Shi
Yaoyun Shi
Albert J. Shih
Andrew J. Shryock
Volker Sick
Donald Jason Siegel
Lyle A. Simmons

Adam Charles Simon
Mrinalini Sinha
Jagadeesh Sivadasan
David Eric Smith
Karen E. Smith
Henry Sodano
Peter Xuekun Song
Kendrin Sonnevile
Katherine Spindler
Edward P. St John
Duncan G. Steel
Anna G. Stefanopoulou
Jeffrey L. Stein
Robert Brian Stephenson
Quentin F. Stout
Duxin Sun
Jing Sun
Veera Sundararaghavan
Russell S. Taichman
Lingjia Tang
Jonathan Terhorst
Levi Theodore Thompson
Katsuyo S. Thornton
Theresa L. Tinkle
Valerie J. Traub
Billy Tsai
Anish Tuteja
Sarah Veatch
Divakar Viswanath
Nils G. Walter
Lumin Wang
Naisyin Wang
Xueding Wang
Michael P. Wellman
David D. Wentzloff
Brady Thomas West
Michael Witgen
Christiane E. Wobus
John P. Wolfe
Kevin Wood
Margaret S. Wooldridge
Zhen Xu
Dean C. Yang
Carolyn Yoon
Euisik Yoon
Raymond L. Yung
Zhengya Zhang
Claire A. Zimmerman
Paul Zimmerman

MARSHALS OF THE UNIVERSITY

Mika LaVaque-Manty

*Arthur F. Thurnau Professor
Associate Professor of Political Science and Philosophy
Director, Honors Program
College of Literature, Science, and the Arts
Chief Marshal*

Valeria Bertacco

*Arthur F. Thurnau Professor
Professor of Electrical Engineering and Computer Science
College of Engineering
Associate Dean for Physical Sciences and Engineering
Horace H. Rackham School of Graduate Studies
Assistant Chief Marshal*

Stephen 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
College of Engineering
Horace H. Rackham School of Graduate Studies
A. Alfred Taubman College of Architecture and Urban Planning
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
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
Gerald R. Ford School of Public Policy

FLAG BEARERS

Shao Teng Chong
Horace H. Rackham School of Graduate Studies Flag

Sharan Sharma
University Flag

ACADEMIC COLORS

The colors of the various disciplines are as follows:

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>

Mingled colors distinguish combined curriculums.

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.

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.

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.

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.

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 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.

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.

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.

CANDIDATES FOR DEGREES AND CERTIFICATES

The following is a list of the candidates for degrees to be granted upon completion of formal requirements. Candidates are recommended jointly by the school faculty and the Executive Board of the Graduate School, and are listed alphabetically by degree, and in some cases also by field of specialization, under the school or college which awards the degree. The listing begins with doctoral degrees and then in order of founding of the schools and colleges.

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

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

Candidates for degrees granted May 3, 2019

Doctor of Musical Arts

Jabarie Elgin Glass, Field of Specialization: Conducting (Choral). Dissertation: Summary of Dissertation Recitals: Three Programs of Choral Music.

Elliott Nathan Tackitt, Field of Specialization: Conducting (Band). Dissertation: Structures in Sound and Word: A Summary of Dissertation Recitals for Winds, Percussion, and Voice.

Adrianna Lynn Tam, Field of Specialization: Conducting (Choral). Dissertation: Three Dissertation Recitals: Masterwork, Benefit Concert, and Miscellaneous Choral Works.

Doctor of Philosophy

Michael Thomas Abrahamson, Field of Specialization: Architecture. Dissertation: Testing the Establishment: Authorial Signature and Professional Method in the Architecture of Gunnar Birkerts, 1958-81.

David Christopher Adrian, Field of Specialization: Computer Science and Engineering. Dissertation: Using Large-Scale Empirical Methods to Understand Fragile Cryptographic Ecosystems.

Ameera Aker, Field of Specialization: Environmental Health Sciences. Dissertation: Phenols, Parabens and Triclocarban During Pregnancy: Associations with Maternal Hormones and Birth Outcomes and the Modifying Effect of Maternal Stress.

Abdullah Obaid AlShelahi, Field of Specialization: Industrial and Operations Engineering. Dissertation: Macroscopic Look at Equity Markets.

Rachel Dina Altshuler, Field of Specialization: Pharmacology. Dissertation: Investigating the Role of Protein Kinase C Inhibitors in Amphetamine-Mediated Behaviors.

Seyed Mohammad Amjadi, Field of Specialization: Electrical Engineering. Dissertation: Electromagnetic Concepts to Enhance Communication in Harsh RF Environments.

Yujie An, Field of Specialization: Computer Science and Engineering. Dissertation: Efficient Algorithms for a Mesh-Connected Computer with Additional Global Bandwidth.

Paige E. R. Andersson, Field of Specialization: Romance Languages and Literatures Spanish. Dissertation: The Only Way: Congregacion and the Construction of Race and Land in Mexico, 1521-2017.

W. Beck Andrews, Field of Specialization: Materials Science and Engineering. Dissertation: Phase Field Simulations of the Coarsening of Complex Microstructures.

Aubrey Leigh Arain, Field of Specialization: Environmental Health Sciences. Dissertation: Environmental Health Impacts of Informal Electronic Waste Recycling.

Jennifer Ann Arthur, Field of Specialization: Nuclear Engineering and Radiological Sciences. Dissertation: Subcritical Neutron Multiplication Inference Measurements for Nuclear Data and Computational Methods Validation.

Stefan Blomgren Aune, Field of Specialization: American Culture. Dissertation: Indian Wars Everywhere: How Colonialism Became Counterinsurgency in the US Military.

Zelalem Birhanu Aweke, Field of Specialization: Computer Science and Engineering. Dissertation: Leveraging Processor Features for System Security.

Mohamad Baydoun, Field of Specialization: Nursing. Dissertation: Yoga for Cancer-Related Fatigue in Survivors of Hematopoietic Stem Cell Transplantation: A Mixed-Methods Feasibility Study.

Juliette Becker, Field of Specialization: Astronomy and Astrophysics. Dissertation: Emergent Properties in Exoplanetary Systems.

Sukhmani Kaur Bedi, Field of Specialization: Microbiology and Immunology. Dissertation: The Roles of Viral and Host Proteins in Influenza A Virus Assembly and Budding in Infected Cells.

Will Martin Bender, Field of Specialization: Earth and Environmental Sciences. Dissertation: Quantum-Mechanical Evaluation of the Thermodynamics and Kinetics of Environmentally-Relevant Actinide Reactions.

Alexander Christopher Benken, Field of Specialization: Electrical Engineering. Dissertation: A High-Yield Microfabrication Process for Sapphire Substrate Pressure Sensors with Low Parasitic Capacitances and 200 C Tolerance.

Sabrina Bobsin Salazar, Field of Specialization: Educational Studies. Dissertation: Examining Institutional Racism Within Mathematics Instruction.

Natacha Bohin, Field of Specialization: Cellular and Molecular Biology. Dissertation: Decrypting Intestinal Mucosal Repair.

Shayna Toyon Joy Bradford, Field of Specialization: Molecular and Cellular Pathology. Dissertation: Developing Novel Therapeutics for Chronic Kidney Disease.

Arthur Brannon III, Field of Specialization: Cellular and Molecular Biology. Dissertation: Investigating Molecular Mechanisms of Drug Resistance in a 3D Cell Culture Model of Pancreatic Cancer.

Mathieu Bray, Field of Specialization: Biostatistics. Dissertation: Advances in Methods, Algorithms and Software for Optimization and Simulation of Kidney Paired Donation Programs.

Autumn Jade Bullard, Field of Specialization: Biomedical Engineering. Dissertation: Feasibility of Using the Utah Array for Long-Term Fully Implantable Neuroprosthesis Systems.

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

Doctor of Philosophy

- Peter Burby**, Field of Specialization: Molecular, Cellular and Developmental Biology. Dissertation: Mechanisms of DNA Repair and DNA Damage Dependent Cell Cycle Control in *Bacillus subtilis*.
- Grace G. Bushnell**, Field of Specialization: Biomedical Engineering. Dissertation: Therapeutic Benefit of Scaffolds That Capture Metastatic Tumor Cells in vivo.
- Fuxi Cai**, Field of Specialization: Electrical Engineering. Dissertation: Neuromorphic Computing with Memristors: From Devices to Integrated Systems.
- Alexandria Caple**, Field of Specialization: Psychology. Dissertation: Understanding and Correcting False Beliefs: Studies in Vaccination and Genetically Modified Organisms.
- Krystin Carlson**, Field of Specialization: Toxicology. Dissertation: Evaluating the Risk of Ototoxicity Due to Metals Exposures.
- Rodney Alan Caruthers II**, Field of Specialization: Near Eastern Studies. Dissertation: Jewish Authors Writing in Greek: How and What They Learned During the Hellenistic and Early Roman Periods.
- Liam Casey**, Field of Specialization: Chemical Engineering. Dissertation: Mechanisms and Engineering of Polymeric Nanoparticles for Modulating Innate and Adaptive Immune Responses.
- Susana Mansan Chan**, Field of Specialization: Cellular and Molecular Biology. Dissertation: The HERV-K Np9 Protein Regulates Viability of Teratocarcinoma Cells.
- Yi-Jun Chang**, Field of Specialization: Computer Science and Engineering. Dissertation: Locality of Distributed Graph Problems.
- Yu-Wei Chao**, Field of Specialization: Computer Science and Engineering. Dissertation: Visual Recognition and Synthesis of Human-Object Interactions.
- Kai Chen**, Field of Specialization: Mechanical Engineering. Dissertation: Advanced Friction Stir Spot Welding of Aluminum Alloy to Transformation Induced Plasticity Steel.
- Weidong Chen**, Field of Specialization: Industrial and Operations Engineering. Dissertation: Online Learning Algorithms for Stochastic Inventory and Queueing Systems.
- Zhilin Chen**, Field of Specialization: Pharmaceutical Sciences. Dissertation: Construction of Engineered Nanoparticles with Tailored Densities of Self-Antigen for the Study of B-cell Activation.
- Yulia Chhabra**, Field of Specialization: Business Administration. Dissertation: Two Essays on Specialized Labor Markets.
- Ainash Childebayeva**, Field of Specialization: Anthropology and Toxicology. Dissertation: Effects of High Altitude and Inorganic Lead (Pb) on DNA Methylation in Andeans.
- Tristan M. Childress**, Field of Specialization: Earth and Environmental Sciences. Dissertation: Fingerprinting Source Fluids of Iron Oxide-Copper-Gold and Iron Oxide-Apatite Deposits Using Traditional and Non-Traditional Stable Isotope Geochemistry.
- Nikolaos Chiotellis**, Field of Specialization: Electrical Engineering. Dissertation: Unconventional Control of Electromagnetic Waves with Applications in Electrically Small Antennas, Nondiffracting Waves, and Metasurfaces.
- Robert Stephen Chisena**, Field of Specialization: Mechanical Engineering. Dissertation: Analytical, Experimental, Computed Tomography Inspection, and Finite Element Modeling of the Material Extrusion Wave Infill in Additive Manufacturing.
- Tseng-Ping Chiu**, Field of Specialization: Design Science. Dissertation: Cross-Cultural Studies in Aesthetic Judgments in Product Design.
- Jeongyong Choi**, Field of Specialization: Mechanical Engineering. Dissertation: Recycled Water Injection in a Turbocharged Gasoline Engine and Detailed Effects of Water on Auto-Ignition.
- Myrna C. Cintrón-Valentín**, Field of Specialization: Psychology. Dissertation: The Effects of Form Focused Instruction and Captioning on Second Language Development.
- Lauren Rose Claus**, Field of Specialization: Naval Architecture and Marine Engineering. Dissertation: Design Space Covering for Uncertainty: Exploration of a New Methodology for Decision Making in Early Stage Design.
- Ryan Michael Clauson**, Field of Specialization: Pharmaceutical Sciences. Dissertation: Viral Mimicking Iron-Oxide Nanoparticles for Highly Efficient Lymph Node Delivery and Lymphocyte Activation.
- Timothy Andrew Collard**, Field of Specialization: Aerospace Engineering. Dissertation: Performance Characterization of a Low Power Magnetic Nozzle.
- Patrick David Cooper-McCann**, Field of Specialization: Urban and Regional Planning. Dissertation: The Promise of Parkland: Planning Detroit's Public Spaces, 1805-2018.
- Ajitha Sandeepanie Cristie-David**, Field of Specialization: Chemistry. Dissertation: Symmetry-Based Design of Protein Nano-Cages.
- Fernanda Lima Cross**, Field of Specialization: Psychology. Dissertation: Raising Children in Limbo: Ethnic-Racial Socialization and Sociocultural Stressors Among Undocumented Latinx Immigrants.
- Christina Jeanette Cross**, Field of Specialization: Public Policy and Sociology. Dissertation: The Color, Class, and Context of Family Structure and Its Association with Children's Educational Performance.
- A. Colleen Crouch**, Field of Specialization: Mechanical Engineering. Dissertation: Quantifying Temperature's Effect on the Cardiovascular System.
- Adam Jacob Crowe**, Field of Specialization: Chemistry. Dissertation: Synthesis and Electrochemical Characterization of Magnesium-Ion Battery Electrolytes.
- Corey Nathaniel Cunningham**, Field of Specialization: Cellular and Molecular Biology. Dissertation: Cells Deploy a Two-Pronged Quality Control Strategy to Degrade Misfolded Proinsulin Mutants.

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

Doctor of Philosophy

- Federica Cuomo**, Field of Specialization: Biomedical Engineering. Dissertation: Effects of Vascular Aging on Murine and Human Hemodynamics Revealed by Computational Modeling: Applications to Hypertension Research.
- Srayan Datta**, Field of Specialization: Computer Science and Engineering. Dissertation: Extracting Insights from Differences: Analyzing Node-aligned Social Graphs.
- Ann Marie Decker**, Field of Specialization: Oral Health Sciences. Dissertation: Sympathetic Signaling Mediator, Norepinephrine, Re-Activates Prostate Cancer Bone Metastases through Direct and Indirect Mechanisms.
- Matt DeMonbrun**, Field of Specialization: Higher Education. Dissertation: "Will They Revolt?": An Examination of Student Response to Types of Instruction in the Engineering Discipline.
- Aniket Anand Deshmukh**, Field of Specialization: Electrical and Computer Engineering. Dissertation: Kernel Methods for Learning with Limited Labeled Data.
- Vikas Dhiman**, Field of Specialization: Electrical Engineering-Systems. Dissertation: Towards Better Navigation: Optimizing Algorithms for Mapping, Localization and Planning.
- John Alexander Doering-White**, Field of Specialization: Social Work and Anthropology. Dissertation: In the Shadow of the Beast: Violence and Dignity along the Central American Migrant Trail.
- Kevin Patrick Donovan**, Field of Specialization: Anthropology and History. Dissertation: Sovereign Scales: Frontiers of Value in East Africa.
- Lindsey Renee Drake**, Field of Specialization: Medicinal Chemistry. Dissertation: Novel Approaches to PET Imaging Neuroinflammation.
- Patrick Charles Duncker**, Field of Specialization: Immunology. Dissertation: Granulocyte-Macrophage Colony-Stimulating Factor: Linking the Adaptive and Innate Immune Systems in Autoimmune Demyelinating Disease.
- William David Dunham**, Field of Specialization: Aerospace Engineering. Dissertation: Advanced Predictive Control Strategies for More Electric Aircraft.
- Megan Dunn**, Field of Specialization: Chemical Engineering. Dissertation: Orthogonal Chemistries in the Directed Assembly of Complex Molecular Architectures.
- Allison Jade Dupzyk**, Field of Specialization: Microbiology and Immunology. Dissertation: Mechanism of Membrane Penetration by Nonenveloped Polyomavirus and Papillomavirus.
- Jaclyn Marie Durkin**, Field of Specialization: Neuroscience. Dissertation: The Role of State-Dependent Thalamocortical Communication in Visual System Plasticity.
- Harold Walker Elliott**, Field of Specialization: History. Dissertation: The Colorblind Turn in Indian Country: Lumbee Indians, Civil Rights, and Tribal State Formation.
- Daniel Epling**, Field of Specialization: Pharmaceutical Sciences. Dissertation: Characterization of the Intestinal Permeability and Oral Absorption of Valacyclovir in Wildtype and huPepT1 Transgenic Mice.
- Michael Fang**, Field of Specialization: Public Policy and Sociology. Dissertation: Three Essays on the Relationship Between Social Ties and Mental Health.
- Maia Farrar**, Field of Specialization: English Language and Literature. Dissertation: Desiring Discord: Political Conflict in Medieval Romance.
- Huckleberry Febbo**, Field of Specialization: Mechanical Engineering. Dissertation: Real-time Trajectory Planning to Enable Safe and Performant Automated Vehicles Operating in Unknown Dynamic Environments.
- Chelsea Rose Fisher**, Field of Specialization: Anthropology. Dissertation: Maya Farming Communities and the Long View of Sustainability at Tzacaul.
- Christopher James Fitzpatrick**, Field of Specialization: Neuroscience. Dissertation: The Functional Neurocircuitry of Sign-tracking Behavior.
- Anabel Flores**, Field of Specialization: Cellular and Molecular Biology. Dissertation: Identification of the PH Domain of Scaffold Protein SH2B1 as a Critical Regulator of Energy Balance and Glucose Metabolism.
- Leanna Lauren Foster**, Field of Specialization: Macromolecular Science and Engineering. Dissertation: Combatting Bacterial Infections Through Polymer-Bacteria Interactions.
- Jacob Joseph France**, Field of Specialization: Aerospace Engineering. Dissertation: High Temperature and Pressure Measurements from TDLAS Through the Application of 2nd Derivative Fitting and the Aggregate Boltzmann Method.
- Victor Keesey Fuentes**, Field of Specialization: Industrial and Operations Engineering. Dissertation: On Computing Sparse Generalized Inverses and Sparse-Inverse/Low-Rank Decompositions.
- Erin Gallagher**, Field of Specialization: Medicinal Chemistry. Dissertation: Modulating the eIF4E-eIF4G Protein-Protein Interaction in Human Disease.
- Dominic Michael Garzonio**, Field of Specialization: American Culture. Dissertation: "More Sheiks than the Sahara": America's Romance with Arab Sheiks, 1830-1930.
- Joseph Robert Gaudet**, Field of Specialization: American Culture. Dissertation: The Energy Capital of the World: A History of Grass, Oil, and Coal in the Powder River Basin.
- Yina Geng**, Field of Specialization: Physics. Dissertation: Inverse Material Design in Colloidal Self-Assembly.
- Carolyn Sara Giroux**, Field of Specialization: Educational Studies. Dissertation: How Do Youth Engage in Engineering Literacies?: A Study of Literacy Learning in Middle and High School Engineering design.

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

Doctor of Philosophy

- Amelia Ann Glazier**, Field of Specialization: Molecular and Integrative Physiology. Dissertation: Protein Turnover and Quality Control of Cardiac Myosin Binding Protein C in Hypertrophic Cardiomyopathy.
- David Isaac Goodman**, Field of Specialization: Nuclear Engineering and Radiological Sciences. Dissertation: Passive Characterization of Unknown Spaces Using Large-Volume, Pixelated CdZnTe.
- Danielle Erin Goodman**, Field of Specialization: Cellular and Molecular Biology. Dissertation: The Roles of eIF2 Kinases PKR and GCN2 during Mouse Adenovirus Type 1 Infection.
- Crystal Ann Green**, Field of Specialization: Nuclear Engineering and Radiological Sciences. Dissertation: Automated Deformable Mapping Methods to Relate Corresponding Lesions in 3D X-ray and 3D Ultrasound Breast Images.
- Hillary Livingston Greene Nolan**, Field of Specialization: Educational Studies. Dissertation: Prioritizing Relationships: Practices that Build Relationships and Knownness and the Relational Philosophies and Influential Life Experiences of Relationally Adept Teachers.
- Sierrah Marie Grigsby**, Field of Specialization: Molecular and Cellular Pathology. Dissertation: Interrogating DOT1L Recruitment by MLL-Fusion Proteins MLL-AF9 and MLL-ENL Towards the Development of Novel Targeted Therapy.
- Emilia Joelle Groso**, Field of Specialization: Chemistry. Dissertation: Development of New Strategies Towards Accessing Chiral Nitrogen Heterocycles.
- Alana Reiter Guiney**, Field of Specialization: Health Service Organization and Policy. Dissertation: Applications of Operations Research and Decision Sciences Techniques on Policies and Issues Related to Obesity and Total Knee Arthroplasty.
- Tanvi Pradeep Gujarati**, Field of Specialization: Physics. Dissertation: Studies of Light-Matter Interactions in Atomic Ensembles for Creation of Entangled States and Quantum Interfaces.
- Alexander Gvakharia**, Field of Specialization: Applied Physics. Dissertation: The Atmospheric Impact of Energy and Food Production.
- Kelsey Marie Hallinen**, Field of Specialization: Biophysics. Dissertation: Spatiotemporal Dynamics of Collective Antibiotic Resistance in an Opportunistic Pathogen.
- Samuel Haltenhof**, Field of Specialization: Economics. Dissertation: Three Essays in International Economics.
- Joel D. Hartenberger**, Field of Specialization: Naval Architecture and Marine Engineering. Dissertation: Drag Production of Filamentous Biofilm.
- Samuel McRae Haugland**, Field of Specialization: Earth and Environmental Sciences. Dissertation: Seismic Investigations into the Nature and Scale of Thermochemical Heterogeneity in Earth's Mantle.
- Allegra Graciana Hawkins**, Field of Specialization: Cancer Biology. Dissertation: Wnt/Beta-Catenin Signaling and the Tumor Microenvironment in Ewing Sarcoma Progression.
- Sarah E. Haynes**, Field of Specialization: Chemistry. Dissertation: Improving Traveling Wave Ion Mobility Mass Spectrometry for Proteomics.
- Vivienne Hazzard**, Field of Specialization: Nutritional Sciences. Dissertation: Family Risk and Protective Factors for Binge Eating-Related Concerns in a Nationally Representative Sample of Young Adults in the United States.
- Mohsen Heidari Khoozani**, Field of Specialization: Electrical Engineering-Systems. Dissertation: Capacity, Error Exponent, and Structural Results for Communication Networks.
- Tyler C. Hein**, Field of Specialization: Psychology. Dissertation: Dimensions of Early Adversity as Distinct Predictors of Adolescent Brain Development.
- Anne Katherine Heminger**, Field of Specialization: Music: Musicology. Dissertation: Confession Carried Aloft: Music, Religious Identity, and Sacred Space in London, c. 1540-1560.
- Yaakov Meshulam Herskovitz**, Field of Specialization: Near Eastern Studies. Dissertation: Linguistic Limbo: Writing and Rewriting in Hebrew and Yiddish.
- Elsa Hinds**, Field of Specialization: Chemistry. Dissertation: Development of Strategies for the Synthesis of Heterocycles and Carbocycles; and Investigation of Chemistry Course Placement on Undergraduate Students.
- Sofiya Hlynchuk**, Field of Specialization: Chemistry. Dissertation: Functional Organic Monolayers on Semiconductor Surfaces.
- David Hong**, Field of Specialization: Electrical Engineering-Systems. Dissertation: Learning Low-Dimensional Models for Heterogeneous Data.
- Cupjin Huang**, Field of Specialization: Computer Science and Engineering. Dissertation: Classical Computation in the Quantum World.
- Rebecca N. Huffman**, Field of Specialization: English Language and Literature. Dissertation: "Ye that heres and sees this vision": Imagined Readers, Imagined Reading in Late Medieval English Devotional Writing.
- Ali Zohair Hussain**, Field of Specialization: Near Eastern Studies. Dissertation: Sainthood Between the Ineffable and Social Practice: Jesus Christ in the Writings of Muhyi al-Din Ibn al-'Arabi and Later Sufism.
- Ivan Steven Jayawan**, Field of Specialization: Environmental Engineering. Dissertation: Evaluation of Modeling Framework and Social Perspectives Regarding Sustainable Groundwater Management in Michigan.
- Houtan Jebelli**, Field of Specialization: Civil Engineering. Dissertation: Wearable Biosensors to Understand Construction Workers' Mental and Physical Stress.
- Hakeem Jerome Jefferson**, Field of Specialization: Political Science. Dissertation: Policing Norms: Punishment and the Politics of Respectability Among Black Americans.
- Chengang Ji**, Field of Specialization: Electrical Engineering. Dissertation: Manipulating Light at Micro- and Nano-Scale: Enable Photonic Structures Toward Real-World Applications.

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

Doctor of Philosophy

- Yiding Ji**, Field of Specialization: Electrical and Computer Engineering. Dissertation: From Security Enforcement to Supervisory Control in Discrete Event Systems: Qualitative and Quantitative Analyses.
- Melissa Ann Johnson**, Field of Specialization: History. Dissertation: The Talk of the Town: Women, Gossip, and Watchfulness in Seventeenth-Century Massachusetts.
- Jessica Yvonne Joslin**, Field of Specialization: Higher Education. Dissertation: Leaders and the Blessed: Student Religious Identity Negotiation at the University of Michigan.
- Tom Jurkiw**, Field of Specialization: Biological Chemistry. Dissertation: Mechanism and Specificity of Human DNA Ligase I.
- Dylan Jarrod Kahl**, Field of Specialization: Medicinal Chemistry. Dissertation: Target Identification for and Optimization of Two Novel Series of Rho-mediated Gene Transcription Inhibitors with Anti-Fibrotic Properties.
- JoonKoo Kang**, Field of Specialization: Macromolecular Science and Engineering. Dissertation: Novel Photoarylation-based Controlled Polymerization of Conjugated Polymers and Its Application for Transparent Electrode.
- Ram Srivatsa Kannan**, Field of Specialization: Computer Science and Engineering. Dissertation: Enabling Fairness in Cloud Computing Infrastructures.
- Carla Maria Kayanan**, Field of Specialization: Urban and Regional Planning. Dissertation: Building Cities Like Startups: Innovation Districts, Rent Extraction, and the Remaking of Public Space.
- Allison J. Kemmerle**, Field of Specialization: Greek and Roman History. Dissertation: The Performance of Identity in Classical Athens.
- Rosalyn V. Kent**, Field of Specialization: Chemistry. Dissertation: Modern Approaches to the Development of Energetic Materials.
- Gurveen Kaur Khurana**, Field of Specialization: Anthropology and History. Dissertation: Gaining Authority and Legitimacy: Shiromani Gurdwara Parbandhak Committee and the Golden Temple c. 1920-2000.
- John Michael Kilgore**, Field of Specialization: Mathematics. Dissertation: Weyl's Law for Singular Algebraic Varieties.
- Seonghoon Kim**, Field of Specialization: Electrical Engineering. Dissertation: Coherent Nonlinear Phenomena in Subwavelength-Grating Based Microcavities.
- YoungJae Kim**, Field of Specialization: Earth and Environmental Sciences. Dissertation: Experimental and Quantum-Mechanical Approaches to Explore Oxide, Phosphate, and Sulfate Minerals as Redox Catalysts, Geochemical Probes, and the Stability of Their Solid Solutions.
- Jenny Deborah Kohn**, Field of Specialization: English Language and Literature. Dissertation: Debating Difference in an Age of Reform: Liberal Praxis and Representation in Mid-Nineteenth-Century Britain.
- Brian Allen Konecke**, Field of Specialization: Earth and Environmental Sciences. Dissertation: Sulfur in Apatite as a Volatile and Redox Tracer in Magmatic and Magmatic-Hydrothermal Systems.
- Avish Koochak Kosari**, Field of Specialization: Electrical Engineering. Dissertation: Energy-Efficient Integrated Circuits and Systems to Bridge the Gap between Power and Performance in Wireless Sensor Networks.
- Brittany Nicole Kuhn**, Field of Specialization: Neuroscience. Dissertation: Elucidating the Role of the Paraventricular Nucleus of the Thalamus and Cortico-Thalamic Circuitry in Cocaine-Seeking Behavior.
- Andrew Patrick Lapointe**, Field of Specialization: Kinesiology. Dissertation: The Relationship Between Repeated Subclinical Head Impacts and Electrophysiological Indices of Brain Function.
- Gregory Stephen Ledva**, Field of Specialization: Electrical Engineering-Systems. Dissertation: Learning and Control Applied to Demand Response and Electricity Distribution Networks.
- Jin Woo Lee**, Field of Specialization: Mechanical Engineering. Dissertation: Divergent Thinking in Front-End Design.
- Jeonghyo Lee**, Field of Specialization: Medicinal Chemistry. Dissertation: Chiral Phosphoric Acid Catalyzed Regioselective Functionalization of Carbohydrates.
- Kyuseok Lee**, Field of Specialization: Electrical Engineering. Dissertation: An Energy-Efficient CMOS Image Sensor with Embedded Machine Learning Algorithm.
- Sangeon Lee**, Field of Specialization: Mechanical Engineering. Dissertation: Mechanical properties of Metal Based Flexible Transparent Conductive Electrode: From Fracture Mechanics perspective.
- Stephen Anthony Lee**, Field of Specialization: Chemistry. Dissertation: Enhanced, Live-Cell, Super-Resolution Imaging and Single-Molecule Emission Spectrum Reshaping.
- Hao Lei**, Field of Specialization: Mechanical Engineering. Dissertation: Developments and Applications of Laser-Based and X-Ray-Based Biomedical Thermoacoustic Imaging Techniques.
- Bowen Li**, Field of Specialization: Electrical Engineering-Systems. Dissertation: Distributionally Robust Optimal Power Flow with Strengthened Ambiguity Sets.
- Chen Li**, Field of Specialization: Mechanical Engineering. Dissertation: Thermal Management of Electronics and Optoelectronics: From Heat Source Characterization to Heat Mitigation at the Device and Package Levels.
- Jieming Li**, Field of Specialization: Chemistry. Dissertation: Engineering Dynamic Behavior into Nucleic Acids Guided by Single Molecule Fluorescence Microscopy.
- Qiaochu Li**, Field of Specialization: Electrical Engineering. Dissertation: Photoacoustic Technologies beyond Medical Imaging-PASA and LGFU.
- Yige Li**, Field of Specialization: Biomedical Engineering. Dissertation: Monopolar Acoustic Pulses in Histotripsy and Other Applications.

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

Doctor of Philosophy

- Jiajun Lin**, Field of Specialization: Macromolecular Science and Engineering. Dissertation: Dehydrofluorination Induced High Piezoelectric Poly (Vinylidene Fluoride) and Applications.
- Shih-Chieh Lin**, Field of Specialization: Computer Science and Engineering. Dissertation: Cross-Layer System Design for Autonomous Driving.
- Nancy Spleth Linthicum**, Field of Specialization: Near Eastern Studies. Dissertation: Writing in Cairo: Literary Networks and the Making of Egypt's Nineties Generation.
- Hao Liu**, Field of Specialization: Physics. Dissertation: Searches for Resonant and Non-resonant Higgs Boson Pair-production in the $b\bar{b}\tau^+\tau^-$ Decay Channel with 36.1 fb⁻¹ PP Collision Data at $\sqrt{s} = 13$ TeV with the ATLAS Detector.
- Xiang Liu**, Field of Specialization: Industrial and Operations Engineering. Dissertation: Operations Research Models for Reducing Hospital Readmissions.
- Xiao Liu**, Field of Specialization: Electrical Engineering. Dissertation: Energy Transfer in Heterogeneous Organic Material Systems.
- Dana Kathryn Loll**, Field of Specialization: Health Behavior And Health Education. Dissertation: Reproductive Autonomy and Sexual and Reproductive Health Outcomes among Young Women in Ghana.
- Jeffrey S. Lowe**, Field of Specialization: Chemical Engineering. Dissertation: First-principles Modeling of Anode/Electrolyte Interfaces in Beyond Li-ion Batteries.
- Di Lu**, Field of Specialization: Sport Management. Dissertation: Institutional Change Around Sport Policy: Passage of Youth Sports Concussion Legislation Across States.
- Haocheng Lu**, Field of Specialization: Molecular and Integrative Physiology. Dissertation: The Role of Transcription Factor EB in the Vascular Wall Biology.
- Renee Ludlam**, Field of Specialization: Astronomy and Astrophysics. Dissertation: A Hard Look at Accretion Around Neutron Stars.
- Kurt Michael Lundeen**, Field of Specialization: Civil Engineering. Dissertation: Autonomous Scene Understanding, Motion Planning, and Task Execution for Geometrically Adaptive Robotized Construction Work.
- Jiangyi Luo**, Field of Specialization: Mechanical Engineering. Dissertation: Peridynamic Modeling of Crystal Plasticity with an Adaptive Dynamic Relaxation Solver
- Lauren Elizabeth Mackey**, Field of Specialization: Aerospace Engineering. Dissertation: Aero-Optical Assessments of Hypersonic Flowfields.
- Jonathan Jenner Macoskey**, Field of Specialization: Biomedical Engineering and Scientific Computing. Dissertation: Acoustic Methods for Histotripsy Feedback.
- Meera Mahadevan**, Field of Specialization: Economics. Dissertation: Energy Provision and Economic Decision Making in Developing Countries.
- Katarina J. Makaravage**, Field of Specialization: Chemistry. Dissertation: Development of Copper(II)-Mediated Methods for PET Imaging Applications.
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- Yanxun Mao**, Field of Specialization: Industrial and Operations Engineering. Dissertation: User Interface Evaluation with Machine Learning Methods.
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Computational Discovery and Engineering

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Critical Translation Studies

William Gertz Runyan

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Human Genetics

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Corrine Eileen Smolen

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Harihar Milaganur Mohan
Kelsey Stark
Trey Dejuan Williams

Neuroscience

Sijin Ren

Pharmacology

Samara Attalla
Rebecca Therese Gorney
Justin Russell McNally
Emily Ann Ridge

Physiology

Daniel Nikolaidis

SCHOOL OF DENTISTRY

Founded in 1875, Laurie K. McCauley, Dean

Master of Science

Dental Hygiene

Bethany Ann Palesh

COLLEGE OF PHARMACY

Founded in 1876, James T. Dalton, Dean

Master of Science

Medicinal Chemistry

Jeonghyo Lee

Pharmaceutical Sciences

Ryan Michael Clauson

COLLEGE OF ENGINEERING

Founded in 1895, Alec D. Gallimore, Robert J. Vlasic Dean of Engineering

Certificate of Graduate Studies

Plasma Science and Engineering

Janis Ching Yin Lai

Master of Science

Biomedical Engineering

Jayashree Chandrasekaran
Drew Genrich
Liao Hu
Harkamal Hajj
Manorama Navalkishore Kadwani
Hina Aftab Khan
Jillian Rose Kirby
Jiseon Lee
Andrew J. Lewis
Amin Mohajeri
Li-Chi Pan
Zihan Qin
Sweta Swastika Sahoo
Christopher Tossas-Betancourt
Hongzhi Yang
Andrew Richard Yu

Climate and Space Sciences and Engineering

Tong Shi

Computer Science and Engineering

Agreen Ahmadi
Lakshmi Ashok
Timothy James Baker
Aahlad Chandrabhatta
Kai Fang
Royce Hwang
Mimansa Jaiswal
Tiancheng Jin
Leonard Lin
Yuxin Liu
Robert Wayne Macy III
Hasan Al Maruf
Barrett James Olson
Matthew Perez
James Louis Perretta
Tara Lynn Safavi
Pranav Srinivasan
Bryan William Stearns
Varsheeth Talluri
Yanqi Wang
Fan Yang
Qi Zhang
Zhaoheng Zheng

Design Science

Xinhui Hu
Christopher Paolo Lezama
Samir Punit Shah
Shruti Soni
Maggie Rose Steele
Xucong Zhan

Electrical and Computer Engineering

Abdulrahman I. Alhussain
Touheed Anwar Atif
Matthew David Bartos
Chuan Cen
Chih-Yu Chang
Tsung-Chi Chang
Neophytos Charalambides
Hsiang-Wen Chen
Mingshu Chen
Yutian Chen
Yehyun Choi
Yuan Hsi Chou
Ayush Chowdhary
Cathy Cui
Kai Cui
Liangqing Cui
Shubham Dash
Anuj Dharap
Allen Jerry Du
Partha Pratim Dutta
Yingying Fan
Akash Ganesan
Xinyu Gao
Yuan Gao
Yuan Gao
Anuj Gargava
Anurag Garikipati
Bedarghya Ghosh
Jiantao Guo
Dinank Gupta
Mengdi Han
Wen-Che Hsu
Yifei Huang
Li-Chi Hung
Tanvi Nitin Jadhav
Sung Woon Jang
Wenxiao Jiang
Lu Jie
Yifu Jin
Anusha Girish Joshi
Pranav Suhas Joshi
Nouman Khan
Nathan Allen Kovarik
Purva Shreehari Kulkarni
Kyumin Kwon
David Arto Laleyan
Hojae Lee
Jiayue Li
Jiazhao Li
Ruoying Li
Yifeng Liang
Weilin Liao
Xiaoqing Lin

Lisu Liu
Lu Liu
Meiyin Liu
Richard Liu
Jiaao Lu
Kunyi Lu
Xiaoying Lu
Yaxin Luan
Kerry Luke
Jun Luo
Renjie Luo
Sisi Luo
Tian Luo
Yuwen Luo
Grant Camden Miars
Vijayakrishna Naganoor
Linyu Ni
Tianyang Pan
Xiaoran Peng
Reid Frederick Pinkham
Rohan Rajeev
Suraj Kiran Raman
Aditya Ramesh
Eric Reid
Robert Riley Ruark
Maryam Salim
Aparajita Saraf
Navid Khudbuddin Shaikh
Siqi Shen
Yifan Shen
Chenrui Shu
Benjamin Scott Simpson
Vandita Singhi
Xin Song
Kun Sun
Weijie Sun
Zeyu Sun
Sagar Milind Supe
Huaiyuan Teng
Gautam Thakur
Krishna Viralbhai Trivedi
Shanthakumar Venkatraman
Vishwas Shashidhar
Chen Wang
Jiaqi Wang
Junding Wang
Luan Wang
Run Wang
Shiyu Wang
Xiechen Wang
Ye Wang
Yiran Wang
Zhehong Wang
Timothy Wesley
Steven Todd Whitaker

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Master of Science

Electrical and Computer Engineering

John Vincent Williams
Jang Wu
Yi-Lun Wu
Yutian Wu
Haowei Xiang
Jiarui Xu
Lingsi Xu
Liyang Xuan
Peng Xue
Haoxiang Yang
Mingyu Yang
Xinyue Yang
Zhiyong Yang
Dongyu Ye
Hao Yu
Ruoxi Yu
Zhiheng Yue
Buyi Zhang
Jiayu Zhang
Junming Zhang
Mengyuan Zhang
Shijing Zhang
Tianyu Zhang
Weixing Zhang
Daniel Zhao
Jianqiao Zheng
Congrong Zhou
Naiding Zhou
Tian Zhou

Yang Zhou
Jiong Zhu
Xiaofan Zhu

Electrical Engineering

Ramprasad Mohanan Nambisan

Industrial and Operations Engineering

Jingwen Cao
Jianrui Chen
Srinivas Mohan Dustker
Yuhan Jiang
Sijia Li
Liyang Liu
Adetee Sharma
Yiqing Wang
Miyang Yang
Suyanpeng Zhang
Siyu Zhao
Andrew H. Zuckerman

Macromolecular Science and Engineering

Zhihe Gao
Ting Lin
Mengjie Yu
Shuqing Zhang

Naval Architecture and Marine Engineering

Teresa Ellen Tripodi
Joseph Bradley Van Houten

Nuclear Engineering and Radiological Sciences

Sheng-Yu Chen
Robert Joseph Fonti III
Evan Sebastian Gonzalez
Jonghyuk Hong
Samara Michelle Levine
Jiaxin Mao
Lawrence Thomas McNamara III
Hanxing Sun
Katey Nicole Thomas
Yuhao Wang

Robotics

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Parth Chopra
Laura Valentine Chrobak
Sahib Singh Dhanjal
Victoria Nicole Florence
Peiyan Gong
Michael Anthony Gonzalez
Sagar Israni
Stephan John Lemmer
Da Li
Murali Tejo Vijay Narasimhadevara
Elizabeth Olson
Brandon Taylor Peterson
Siddharth Ratapani Navin
Matthew Michael Romano
Mert Selamat
Zhan Shen
Thomas Tian

Master of Science in Engineering

Aerospace Engineering

Nicholas Bloem
Ryan Joseph Burke
Wenjie Cai
Zhibo Cai
Luis Omar Castillo Rios
Hao Chen
Matthew Howard Cosby
Sarah Elizabeth Cusson
Guillaume Dematté
Gaurav Dhir
Nathanael Clarence England
Nathan Estell
José Manuel Faúndez Alarcón
Kunal Garg
Joshua Frank Geer
Yuchen Gong
Chenbo Gu
Brian Stephen Agoo Ha
Kathryn Victoria Henry
Rebecca Elisabeth Hill
Andrew John Horvath
Iman Javaheri
Michael Gustav Johnson
Smrithi Keerthivarman

Angela Marie Kimber
Manuel Lanchares Prieto
Evan William Lerner
Brandon LaMont Lewis
Zihao Liang
Nathan Kyle Minsk
Nima Mohseni
Ian Michael O'Rourke
Juan Augusto Paredes Salazar
Andres Peñaranda
Kuldeep Prajapati
Sunil Subramanian Raghuraman
Monica Anil Salunkhe
Tyler Krain Sandberg
Bilal Sharqi
Puneetinder Singh
Siddhartha Srivastava
Weitao Sun
Philip Daniel Thisse
Dong Xu
Joseph Henry Yates
Michael Fielding Yost
Ruilin Zhou

Biomedical Engineering

Chase Aidan Barlow
Amanda Margaret Barnes
Aditi Batra
Skylar J. Buchan
Brandon Allen Cheung
Sang Won Choi
Ciara Davis
Emily Rose Dixon
Riley Hayes Doherty
Nicholas Thomas Fadanelli
Elyse Morgan-Anne Fleck
Jessica Foss
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Syed Saim Husain
Emma Cecilia Kellenberg Callewaert
Yoonjoo Kim
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Catrina Ayaka Letterman
Rachel Mary Levenson
Marissa R. Maniaci
Victor Andrew Mondine
Nathan Christopher Morningstar
Mac Morris
Tapan Girish Naik

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Master of Science in Engineering

Biomedical Engineering

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Ashley Lauren Pepple
Aaron Michael Renberg
Mario Vincenzo Russo
Aparna Sarkar
Hannah Gabrielle Soifer
Samantha Rae Steinberg
Rachel Jai Sun
Derek Michael Trumbo

Chemical Engineering

Harsh Agarwal
Mengjie Fan
Fengyi Gao
Corine Mabel Jackman
Jeremy Isaac Kach
Heeho Kang
Jiwoong Kang
Connor Nicholas McGlothlin
Zeqi Niu
Niloufar Salehi
Tyler Andrew Soenen
Futianyi Wang
Austin Whittington Wilks

Civil Engineering

Anisha Agrawal
Justin D. Barden
Matthew David Bartos
Ross Bernard
Dylan Joseph Cash
Gabriel Draughon
Cara Marie Fleming
Michael Joseph Geiger
Paige Lynne Kohrs-Herwig
Chris Kuenzer
Xiaoqing Lin
Isaac J. Mulder
Anna Jacoba Schmeissing
Malcolm Perry Thompson
Daixi Yang

Computer Science and Engineering

Lauren Biernacki
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Luyao Chen
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Clayton Moffatt Connors
Xianzheng Dou

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Matthew Thomas Furlong
Mark A. Gallagher, Jr.
Hiwot Tadesse Kassa
Shashank Kedia
Jiayi Liu
Yijia Liu
Isaiah Michael Mayerchak
Andrew McCrabb
Thomas Charles Oliver
Bryce Joseph Paputa
Luke Ross
Sam Schiferl
Joseph Nelson Sorenson
Steven Wayne Sprecher, Jr.
Jason Thomas Whitfield
Dapeng Xu
Xiaochen Yu

Construction Engineering and Management

Gongfan Chen
Meiyin Liu
Yizhi Liu
Adithya Mettupakkam
Venkatasubramanian
Bhargav Mothakapalli Ramesh
Xinghui Xu

Electrical and Computer Engineering

Yue Bi
Yu-Kai Chou
Wenbo Cui
Can Deng
Paul Simon Domanico
Sirui Gao
Brennan Dale Garrett
Junpeng Guo
Rahul Hingorani
Haisu Ju
Julia Florence Kerst
Sarah Karen Kesler
Giridharan Kumaravelu
Dora Lingfan Li
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Connor Reed Mackey
Shenyu Mou
Raaghvam Nigam
Rachel Brittany Norris
Jackson Pruitt
Abhinav Alavalapati Reddy

Mattison Michael Rose
Tianhao Shao
Calvin Shih
Nathan Slager
Leila Marie Syal
Andrew Turek
Bochang Wang
Henry H. Wang
Sheng Wang
Jin Xi
Siyuan Xie
Jieqian Yan
Xi Yang
Chunan Ye
Zhipeng Yu
Zeyuan Zhu

Electrical Engineering

John Bell

Electrical Engineering-Systems

Siddharth Venkatesan

Environmental Engineering

Hollie Adeola Adejumo
Michelle Marie Farhat
Zijie Lin
Leona Liu
Yuewei Liu
Runpeng Miao
Chuanli Ni
Freddy Alexander Ordoñez
Gabriela Yvonne Porras
Meghna Prasad
Ellen Patricia Thompson
Tong Yu

Industrial and Operations Engineering

Francisco Jose Aldarondo
Sameer Arora
Corinne Elizabeth Beemer
Richard Choi Brady
Max Caballero
Yuheng Cai
Kaiyuan Cao
Zachary James Cavazos
Yuhao Chen
Richard John Doktycz

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Master of Science in Engineering

Industrial and Operations Engineering

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Louis Joseph Goedker
Gabriel Anton Hackebeil
Yifei Hao
Reed Wesley Hostrander
Daniel J. Huang
Christopher Michael Hudson
Pande Putu Adysti Kardi
Angjela Keci
Justin Russell Kimrey
Sabrina Lin
Yicheng Lin
Yifei Liu
Jenna Michelle Locricchio
Issac J. Loo
Yue Luo
Andrea Marie McAuliffe
Matthew Kenneth Meacham
Samantha Michelle Meister
Hideaki Nakao
Yatri J. Patel
Leyi Quan
Panyakorn Rakpanitmanee
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Jingyi Shi
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Charles Cheng Su
Aye Mya Thandar
Tianke Wang
Dimitrios Nikolas Wiener
Chenfei Wu
Kelsey Madeleine Wyatt-Mair
Ruowei Xu
Jingya Yu

Macromolecular Science and Engineering

Brandon Carl Skoog

Materials Science and Engineering

Siddharth Suresh Borsadia
Lamia Ziela Dawahre Olivieri
Ryan Justin Hall
Alex Kate Halvey
Ron Keinan
Ming-Hsun Lee
Shih-Chieh Lin

Wenyi Liu
Brian Charles Macdonald
Elena Marie Moore
Isabel Rose Newton
Eleni Temeche
Cheng-Chi Wu

Mechanical Engineering

Muhammad Abdullah
Aakash Abhishek
Michael James Allen
Naser F. M. M. O. Almutairi
Thomas Edmund Augenstein
Sanjana Belani
Roy Eli Berg
Kaustav Bhadra
Richard Choi Brady
Keith Minoru Brodek
Andre Jamon Brooks
Ivan Jose Carrasco
Laine Katherine Chan
Eric Kaimeng Chang
Xi Chen
Yudong Chen
Suzanne L. Chou
Sheng-Ping Chuang
Kevin Sang Chun
Aditya Rajkumar Deshpande
Lawrence Pierce Dreisbach
Alexander Neil Eskenazi-Gold
Sydney Prince Forrester
Austin Seth Friedant
Bhavesh Vijay Gandhi
Madeline Anne Gilleran
Megan Hathcock
Yingdong He
Shu-Wei Hsu
Xin Hu
Nishant Mangesh Jalgaonkar
Wei Jian
Tao Jin
Sumit Joshi
Eui Seop Kim
Daniel James Knister
Dexin Kong
Wen-Yu Kuo
Alexandre Jean-René Laloum
Alvin Dohyun Lee
Sichen Li
Yang-Shen Lin
Xingjian Liu
Hsueh-Tsung Lu

Nicholas Alexander Mastruserio
Mary Quinn McMeekin
Kory Randall Nelson
Adam Michael Olshove
Sravan Pannala
Joshua Ian Parmet
Maithili Varang Patel
Qingjie Qi
Meng Qu
Samuel Jacob Rumack
Caleb Lau Shiple
Isaac Anton Spiegel
Kyle L. Syndergaard
Pei-I Tzaan
Qingquan Wang
Jang Wu
Minhao Xu
Jianwen Yan
Ping-Lin Yang
Wenbo Yu
Buyi Zhang
Mengyuan Zhang
Yuhao Zhang
Shiyu Zhao
Ziyang Zhong

Naval Architecture and Marine Engineering

Noah Joseph Bagazinski
Max Caballero
Tomer Chen
Matthew Joseph Faha
Gordon Gertiser
Andrew John Horvath
Justin Russell Kimrey
Matthew Kenneth Meacham
Louis John Simione
Andrew Twohey
Andrew John Uggeri
Dimitrios Nikolas Wiener
Jianghong Ying

Nuclear Engineering and Radiological Sciences

Divans Beqi
Lauren Green
Rizki Oktavian
Nicholas Ramey
Jenny Ruth Smith
Nathaniel Edward Wirgau

A. ALFRED TAUBMAN COLLEGE OF ARCHITECTURE AND URBAN PLANNING

Founded in 1913, Jonathan Massey, Dean

Master of Science

Architecture Design and Research

Mohammadamin
Aghagholizadehsayar
Maryam Alhajri
Michael Sterling Foster

Zijing Gao
Yutao Hu
Apoorva Sanjeev Jalindre
Joon Kang
Natalie Marie Leonard
Peiyao Liu

Mubasheeruddin Ahmer
Mohammed
Hana Nguyenky
Misri Hitendra Patel
Abhishek Sanjay Shinde
Shan-Chun Wen

Master of Urban and Regional Planning

Urban and Regional Planning

Joseph Edward Blair
Colin Jordan Brown
Andong Chen
Tianai Chen
Yichen Chen
Daniel F. Commer
Christopher Corbett
Karen Cuenca
Mu Ding
Augusta Jane Gudeman
Elizabeth Mae Gunden
Yuan Han
Lu Hao

Alexsandr Kanevskiy
Ruoshui Liu
Thomas Patrick McKee
Florent P. Mettetal
Andrew Stephen Moss
Cristian Pablo Munoz Abarca
Lei Nie
Alissa Jolie Paquette
Maria Karina Pazos
Christopher Rodriguez
Ryan Kendrick Schell
Nicholas Lawrence Schrader
Ruben Shane Shell
Emily Christine Smith

India Solomon
Siyi Song
Michael Benjamin Stacey
Sarah Stachnik
Peter Walter Swinton
Matthew Tse
Karis Tzeng
Peiwei Wu
Zhao Wu
Jessica Wunsch
Tian Xie
Xiaodi Xu

SCHOOL OF EDUCATION

Founded in 1921, Elizabeth Birr Moje, Dean

Master of Arts

Educational Studies

Nader Saleh Saeed Hilal Alrawahi
Lu An
Maria Fernanda Arnay
Ian Wesley Bridges
Alexander Harold Cytroen
Eric Daly
Kristin Pauline Giorgio
Jacob Daniel Gorski
Rachel Charles Harge
Catalina Kaiyoorawongs
Chikiyi Lau
Yuqing Ling
Alyssa Maria Lopez

Diego Lopez Silva
Anjli Gautam Narwani
Jeremy Mitchell Parks
Raquel Ramos Buckley
Taylor Mone Smith
Vanessa Damian Talavera
Samuel Hawkes Upton
Brian Craig Watson
Sophie Zamarripa

Higher Education

Leigh Ellen Arsenault
Yukyung Bae
Ian Baker

Krystle Rose Bednark
Anthony Lance Fowlkes
Heeyun Kim
Ariel Mallett
Younger Gates Oliver
Nicholas Paulson
Joseph Steven Romero-Reyes
Danielle Margarita Santos
Tim Sparks
Kelia Washington
Tianxiao Zhang
Yuezhong Zheng

Master of Science

Educational Studies

Francesca Gandini
Elsa Hinds

SCHOOL FOR ENVIRONMENT AND SUSTAINABILITY

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

Certificate of Graduate Studies

Sustainability

Lauryn Rebekah Lin
Alissa Jolie Paquette

Master of Landscape Architecture

Landscape Architecture

Roberto Astudillo
Ian Halprin Bernstein
Evan Paul Granito
Derell Anthony Griffin
Alexis Kristan Heinz

Muyao Li
Xuehan Li
Zonghao Li
Lingzi Liu
Shruti Soni
Wona Sung

Shannon Marie Sylte
Andrew Raymond Graves Tillinghast
Xinyi Wang
Kangyu Yu
Liwan Zhang

Master of Science

Environment and Sustainability

Adam Gordon Arend
Christopher Askew-Merwin
Mikayla Marie Baer
Sarah Barney
Diocelyn Enmanuel Batista Rijo
Ian Halprin Bernstein
Daniel Ronen Bier
Lexi Brewer
Patrick Michael Canniff
Davied Cordero
Lorena Cortes Torres
Michelle Marie Farhat
Noah Andrew Feingold
Éamonn Christopher Paul Fetherston
Bret James Fickes
Sydney Prince Forrester
Elana Rochelle Fox
Isabella Maria Garramone
James Henry Gawron
Zöe Goodrow
Devorah Gordin
Evan Paul Granito
Mark Harrison Green
Blake Evan Heidenreich
Colleen Purcell Hill
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Lauren Elizabeth Joyal
Edie Juno
Akshat Kasliwal
Michael Scott Kinzler
Collin Roberts Knauss
Juliana Leppink Lisuk

Leona Liu
Chuying Lu
Caroline Murray Holt Lucas
Lauren Lutzke
Carol Maione
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Chigozie Okwu
Daniel Harold Partin
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Gabriela Yvonne Porras
Sara Prendergast
PrinceJonathan Pruitt
Benjamin Daniel Rego
Eloise Macmillan Reid
Iris Saraeny Rivera Salinas
Jessica Robbins
Brett Rolf
Jacob Henry Rumschlag
Dayna Caroline Sason
Harrison Wakefield Smith
Trey Snow
Michael Benjamin Stacey
Kaitlin Alyssa Vapenik
Ardra Venugopal
Allison Rose Voglesong
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Xuewei Wang
Ari Matthew Weil
Erik Charles Wolfe
Daniel Xie
Nancy Ye
Brett Zeuner

Shidong Zhang
Huayun Zhou
Weiqi Tori Zhou
Xiaodan Zhou

Natural Resources and Environment

Laura Cristina Aguilar Esteva
Kelsey Rene Blongewicz
Marlotte de Jong
Emily Anne Doyle
Emily Lolin Finch
Ellie Lauren Flaherty
Kathryn Fleming
Zach Friedman
Karen Ann Goldberg
Laura Brookshire Grier
Alexis Kristan Heinz
Sean Jesse Wright Heyneman
Michael James Ilardi
Monika Rae Johnson
Kathryn Marie Kirkpatrick
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Saachi Das Kuwayama
Dorthea Jeanne Leisman
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Elizabeth A. McLaughlin
Harold D. Rice
Hannah Morgan Schaefer
Maanya Umashaanker
Rong Xu
Liwan Zhang

SCHOOL OF MUSIC, THEATRE & DANCE

Founded in 1940, David A. Gier, Dean

Certificate of Graduate Studies

Arts Entrepreneurship and Leadership

Elizabeth Anne Kunert

Master of Arts

Media Arts

Matias Andres Vilaplana Stark

Music Composition

Duncan Michael Petersen-Jones

Master of Fine Arts

Dance

Megan Adele Hillman Bascom

Lenard J. Foust

Nicole Katherine Reehorst

SCHOOL OF PUBLIC HEALTH

Founded in 1941, F. DuBois Bowman, Dean

Master of Science

Biostatistics

Devin Joseph Aberasturi

Aubrey Childs Annis

Yunwoo Jang Burton

Lap Sum Chan

Sharanya Chandran

Elizabeth Crenshaw Chase

Ina I. Conrado

Kaitlin Anne Cornwell

Douglas Ford Hannum

Kexin Jiang

Yuan Jin

Yue Jin

Brianna King

Kyle Edward Kumbier

Mengbing Li

Yijun Li

Kevin Stanford Liao

Pedro Orozco del Pino

Jeremy Brayden Pasteris

Robert B. Peng

Xiyue Peng

Nathaniel Mitchell Putnam

Yidi Qin

Ryan D. Ross

Fatema Shafie Khorassani

Yuming Sun

David Paul Todd

Autumn Nicole Valicevic

Alison Michelle Wall

Megan Elizabeth Wall

Jiongming Wang

Jitao Wang

Yi Zhe Wang

Yizhuo Wang

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Wanqing Wu

Yue Wu

Chang Xu

Yanwen Zhai

Yuhua Zhang

Yujing Zhang

Wenxuan Zhao

Lingjie Zhou

Clinical Research

Sydney Elizabeth Behrmann

Kristian Black

Toby Philip Keeney-Bon throne

Lauren Elizabeth Merz

James M. Mossner

Clinical Research Design and Statistical Analysis

Fadi Alali

David Bernard Altshuler

Robert Russell Ehrman

Jessica Rachel Golbus

Hassan Jadid

Kanishka Thiran Jayasundera

Lilit Karapetyan

Karen Meekyong Kim

Matthew Christopher Konerman

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Girish Balachandran Nair

Mio Nakamura

Qais Radaideh

Andrew Joshua Read

Julie Megan Rosenthal

Sonja Gabriele Schütz

Eman Shaban

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Jamie Sue Votava Sheth

Adina Turcu

Afifa Uzzaman

Environmental Health Sciences

Yang-Ju Chen

Maureen Malloy

Nan Yan

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Peiyu Chen

Sarah Elizabeth Falvey

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Zhongyao Li

Qiuren Wang

Toxicology

Katelyn Marie Polemi

Makenzie Shea Zima

UNIVERSITY OF MICHIGAN-FLINT

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COLLEGE OF ARTS AND SCIENCES

Master of Arts

Arts Administration

Mary C. Kelly
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Liberal Studies

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Kristopher G. Van Amburg

Master of Public Administration

Marcus D. Batson
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Helen Budd
Jarrod A. Chapman
Kaitlin Chojnacki

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Matthew A. Florida
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Courtney S. Jones

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Toby Suttle
Kendra D. Vanover

UNIVERSITY OF MICHIGAN-DEARBORN

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COLLEGE OF ARTS, SCIENCES, AND LETTERS

Master of Public Administration

Nicole Renee Holtz
Anthony J. Merolla

COLLEGE OF EDUCATION, HEALTH, AND HUMAN SERVICES

Master of Arts

Nora Alata
Mariam Burhan Albachachy
Sharifi Bazzi
Wanasha Latrice Daniel
Cristina A. DiCarlo

Lauren Ashley Jacobs
Amanda Lynn Klos
Michelle Christine Linderman
Rana Makki
Nicholas Anthony Margo

Tara Lynn Purcell
Lisa Younce
Jenan Zeghir

UNIVERSITY OF MICHIGAN-DEARBORN

COLLEGE OF ENGINEERING AND COMPUTER SCIENCE

Master of Science

Computer and Information Science

Sameera Ahmed
Dhanyata Balakrishna
Jennyfer Kaye Darling
Tejasri Kanukuntla
Abhijot Kathuria
Blake Alexander LaFuente
Vignesh Manivasagam
Radhika Moradiya
Shilpa Surakanti
Masayuki Tanaka
Velam Thanu
Harsha Sri Vundavalli
Jeffrey Jonathan Yackley
Fan Zhang
Yating Zhou

Data Science

Oladipo O. Oyeleye
Jitha Raj
Cooper Mayan Stansbury

Engineering Management

Husam Eddein Hamza Abugroun

Anthony M. Agius
Kellie Marie Balsamo
Casey Taylor Dunn
Devin Joshua Dye
Amr M. Geissa
Matthew Michael Glaser
Rashiker Joshua Jeyasingh
Shadmn M. Minir
Sarah Mourad
Kyle Thomas O'Hara
Anuj Rawat
Juatia Sheree Samuel
Nolan David Saneholtz
Manan Pratulchandra Sevak
Steven H. Shannir
Adam Shepp
Eric R. Spenceley
Zachary Stephen Taranto
Jason Russell Trout

Information Systems and Technology

Jason Carlton
Sudhindra Desai
Falguni Gondnale

Manvi Kamboj
William E. Newhouse
Michael William Roullier
Rui Zhuang

Program and Project Management

Tiffany Kiara Clark
Tiffany L. Frederick
Soujanya Jayathirtha
Hassan Nawaz
Ashokkumar Kantilal Patel
Daniel Patrick Schneider
Eric James Seifferlein
Ashwini Selvarasu

Software Engineering

Mumina Alhaidar
Karl Anthony Knoflach
Hadi Nasser
Radha Parameshwarappa
John Pryor Reese
Brian Wirsing
Evan Raad Yousif

Master of Science in Engineering

Automotive Systems Engineering

Arun Joshi
Harsh Ketan Acharya
Joaquin Joseph Affonso III
Srinath Amanaganti
Tejaswini Anne
Rateesh Babu Bangalore Keshava
Parag Prashant Bhosale
Rajath Cariappa
Sandesh T. Chaskar
Jin Bum Choi
Abhraneil Dam
Mani Vivek Varma Danthuluri
Surya Vamsi Devineni
Radhika Dravid
Harish Ganapathy
Tushar Pandurang Hirave
Suprith Jagannath
Devesh Harsh Jain
Gowtham Jayaraman
Xin Jin
Madhusudan Kabra

Umang Kamra
Rathin Sanjeev Karhu
Chandranshu Kher
Kishan Kotresh
Deeptej Devidas Kudav
Thomas Andrew Ludwick
Niranjan Mahender
Suriya Ganapathy Manoharan
Karan Mittal
Jeremy Everett Moore
Rahul Reddy Nagavally
Varun Venugopalan Nair
John Nguyen
Varaha Venkata Satya Deepak Paila
Sanjana Pareek
Parth Bipinbhai Patel
Nikhil Balaso Patil
Karan Patira
Rahul Bhargav Pingle
Sunny Pinnam
Ani Mukeshbhai Prajapati
Karan Puri
Tony Puthussery

Anirudh P. Rajasekaran
Aakash Kumar Reddy Ganesh Kumar
Ravi Saini
Aniruddha Sharma
Sohan Raj Shetty
Bharath Sivanandham
Avaneesh Srinivasa
Siranjeevi Srinivasa Raghavan
Shobhit Srivastava
Robert Clay Thomas III
Nishanth Upendram
Venkata Kameswar Vallabhajosyula

Bioengineering

Jessica Anne Hallgath
Eric M. Rosiek

Computer Engineering

Zhe Feng
Tyler Scott Howell
Wei Li
Ruiqi Mao

UNIVERSITY OF MICHIGAN-DEARBORN

Master of Science in Engineering

Computer Engineering

Heather M. Peurasaari
Aaron Gregory Romain
Arpitha Savalagi
Sree Likhith Tummala

Electrical Engineering

Mustafa Tareq Abdulqader
Ahmed Faiz Al-Alawy
Matthew V. Alessi
Juliana Chen
Xin Chen
Vincey Chui
Timothy Dunbar
Jiaxing Gao
Jonathan Richard Gohl
Ethan William Gross
Michael Leppang Gruesbeck
Ahmed Hassouna
Mahmoud Jamal Irbash
Mark L. Keranen
Justin J. Khami
Christopher Elles Luman
Jirjees Jamal Matti
Bhanu Chaitrika Meka
Dhanush Mysuru
Manu Kashyap Nagesh Rao
Xuecong Nie
Ajay Paudyal
Jiayin Qi
Karthik Raghupathy
Steven Ristovski
Vaishali Bijay Sahu
Sukhmeet Kaur Sohi
Zhechen Wang
Zhongjin Xu
Cong Zhang

Energy Systems Engineering

Megan Mackenzie Gould
Isaiah Olufemi Oyewole
Eric Pavlov

Industrial and Systems Engineering

Vipul Vidyutkumar Atitkar
Nihal Mustak Attar
Ameya Ramesh Bhoir
Sri Sushmitha Bramhakanti
Wen Chen
Shubham Mukund Chipade

Manohara Darinayakanapalya
Sudheendra
Lalith Kumar Dharmarajan
Benjamin James Donoghue
Agil Abdo Elmathil
Prasanna Sai Galla
Kutessa Marie Garnett
Aona Geng
Nicholas R. Hedrick
Shashank Honawar
Jonette Corinne Howell
Nikhil Kishor Jangle
Archan Ketan Jani
Pratik Nanasahab Kale
Kartik Sanjay Kalmani
Onkar Suresh Kavitate
Omar Kheir
Shantanu Vivek Kulkarni
Erica Susan Lee
Shruti Margudri
Huimin Miao
Amrut Jagannath More
Shichao Mu
Aayush Nalwaya
Nitish Panati
Drupad Pankajbhai Patel
Kashyap Kaushik Patel
Ketan S. Pawar
Akshay Rahul
Arun Govind Ramesh Kannan
Hao Ran
Sandeep Sairam
Abhilash Siddamallappa
Amey Sonar
Yiqiao Song
Prathamesh Tiwari
Jolene Shaina Vas
Ke Wang
Yuting Wang
Yumei Ye
Jialun Zhang
Zhaonian Zheng

Manufacturing System Engineering

Abhista Paddillaya

Mechanical Engineering

Mandar Nandu Ahir
Jesus Arriaga
Sai Sandeep Bandi
Anup Bhalchandra Bapat
Nouhoun Aboubakary Barry
Matthew Joseph Campbell
John Edward Castellini, Jr.
Krish Mukesh Chhatbar
Revati Rajendra Chitnis
Mark Joseph Coughlin
Kyle Kenneth Culek
Akhila Narayana Rao Dhayapulay
Shivani Dubey
Justin Michael Engwis
Safwan Ul Ferdous
Ryan John Ferguson
Pratik Bharat Gaikwad
Sudhan Hebshe Gangadhar
Sarathak Gupta
Joseph William Hendrickson
Sara Imtiazuddin
Kelly Cole Johnson
Sanket Nilesh Joshi
Shahzan Iqbal Khaja
Karthik Vasudev Rao Kunjoor
Fuqiang Liu
Nick Jacob Loedeman
Wardah Sabah Kamil Mahdi
Rebecca Jane Maj
Randy Tyler Mathiesen
Calvin P. McKinney
Marcus Patrick McSweeney
Sree Sruthi Modala
Mickey Vernon Monroe II
Aadishes Nallappa Sampath
Anthony Charles Ochs
Saikant Paruchuru
Varun Ravichandran
Justin M. Sekula
Kyle Andrew Smolarek
Akshay Kumar Sohanlal
Mayur Dhula Tele
Ganesh Varma Thotakura
Matthew Steven Tilshalski
Geoffrey Mavian Todd
Sharath Chandar Velpanur
Ramaswamy
Ryan Kristian Villarosa
Yian Wang
Nicholas M. Zochowski

PENNY W. STAMPS SCHOOL OF ART & DESIGN

Founded in 1974, Gunalan Nadarajan, Dean

Master of Design

Integrative Design

Prachi Shridhar Bhagane

Bruna de Souza Oewel

Kady Jesko

Katherine Jones

Hyeryoung Kim

Master of Fine Arts

Art

Masimba Marshall Hwati

Laura Kristin Magnusson

Bridget Frances Quinn

Rowan Renee

Mayela Alejandra Rodriguez

SCHOOL OF KINESIOLOGY

Founded in 1984, Lori Ploutz-Snyder, Dean

Master of Science

Kinesiology

Alvin Jalen Pearson IV

Indica Sur

Claire Danielle Tewksbury

Dara Zakiya Talibah Watkins

Casey Alexander Klein

Robert B. Lucas II

Bedar Awad Noor

Raebekkah Pratt-Clarke

Jennifer Ryan

Lingqi Shangguan

Steven Michael Smith

Drew Johnathon Stapp

Kenneth Lester Viera

Jeffrey David Walker

Han-Fei Wu

Chongbin Zhai

Movement Science

Christine Elizabeth Callahan

Alex Nicole Denton

Meghan Erin Gatward

Nicole Alexandria Johns

Maya Nicole King

Rachel Logue

Austin McBee

Elena Maria St. Onge

Sport Management

Bailey Warner Baker

Malia Nychol Bates

Andrew Jesse Bowman

Mariah Danielle Collins

Marissa Nanling Day

Esther Harrison

Yuyan Jiang

GERALD R. FORD SCHOOL OF PUBLIC POLICY

Founded in 1995, Michael S. Barr, Joan and Sanford Weill Dean of Public Policy

Certificate of Graduate Studies

Science, Technology, and Public Policy

Kelsey Rene Blongewicz

Marlotte de Jong

Anuj Dharap

Christopher James Fitzpatrick

Chrystopher Luis Garzón Rivera

Laura Brookshire Grier

Saachi Das Kuwayama

Joseph Edward Paki

Master of Public Administration

Paula Dafne Avila Palomares

Jessica Hannah Chantal Kaplan

Christopher Paolo Lezama

Jason Thomas Morgan

Takeo Muroya

Yusuke Namiki

Elizaveta Rakhmanova

Brook Jaelyn Sinclair

Steven Michael Smith

GERALD R. FORD SCHOOL OF PUBLIC POLICY

Master of Public Policy

Ozan Alkan
Katie Rose Allan
Ammara Tameez Ansari
Christopher Askew-Merwin
Lindsey Nicole Barrett
Ryan Scott Bartholomew
Heath Andrew Bergmann
Richard Thomas Bicknell II
Lior Bruckner
John Dalton Bryan
Nitya Sarath Chandran
Samantha K. Chu
Karen Cuenca
John Henry Cumming-Meiningner IV
Sarada Naga Dhulipala
Matthew Shawn Dobson
Amelia Threefoot Esenstad
Reginald Jamar Ferrell
Corey Elizabeth Fitzgerald
Anthony Lance Fowlkes
Gregory Gervase Froelich
Emily Futchner
Harry Gao
Chrystopher Luis Garzón Rivera
Maxwell Edward Gigle
Augusta Jane Gudeman
Paola Guerra Guevara

Marcus Hall
Stuart Henry Hammond
Tia Monique Hicks
Perry Holmes
Sharon Sara Hu
Yuichi Ikeda
Annabel Simone Jouard
Takuya Kanamori
Marble Njeri Karuu
William Christopher Ching Kim
Anne Amelia Kolesnikoff
Phillip Sang Woo Lee
Derek Alexander Lief
José Javier Lujano
Pedro Felipe Magana Sáenz
Leila Malow
Andreea Matei
Daniel Lewis Messner
Hira Mumtaz
Jacob Thomas Murray
Kara Ariel Naseef
Elizabeth Nelson
Megan Ashley Nestor
Shen Ni
Logan Dean Norton
Chigozie Okwu
Stephen N. Oliphant

Diana Orozco Castro
Abigail Orrick
Thông Phan
Morgan Brune Polk
Jonathan Stuart Poser
Benjamin Daniel Rego
Molly Elizabeth Robertson
Eric Rodriguez
Danielle Margarita Santos
Ryan Patrick Schaitkin
Jonathan Charles Schellin
Stephanie Scott
Arifa Naunehal Shah
Jai Singletary
Megan Denine Souders
Rachel Madison Torres
Jessica Troe
Timothy Ray Fritz Trollope
Kelia Washington
Allison Krispin Waters
Charisse Wilkins
Jessica Wunsch
Kazuma Yamamoto
Anna Catherine Zinkel
Hanna Zlotnick

UNIVERSITY OF MICHIGAN GRADUATES

August 2019

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

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

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

Certificate of Graduate Studies

Museum Studies

Rashun J. Miles

World Performance Studies

Kelly Ann Hirina

COLLEGE OF LITERATURE, SCIENCE, AND THE ARTS

Founded in 1841, Elizabeth R. Cole, Interim Dean

Master of Arts

Near Eastern Studies

Samet Budak

Philosophy

Mercedes Maria Corredor

Master of Science

Applied Statistics

Chang Li

Chemistry

Nicolas Alfredo Diaz
Hanjie Jiang
Tieyi Lu
Anna Christina Nevison
Michael McCreery Wade Wolfe

Ecology and Evolutionary Biology

Kenzo Emiliano Esquivel

MEDICAL SCHOOL

Founded in 1850, Marschall S. Runge, Dean

Master of Science

Biological Chemistry

Max Gramelspacher

Health and Health Care Research

Andrew John Admon
Ana De Roo
Cathryn Jane Lapedis
Kara Mizokami-Stout
Alexandra Norcott

Health Infrastructures and Learning Systems

Brinda Anusri Gokul

Physiology

Deema Almansour
Kennedy Jensen Boulton
Noah Brayton
Christine Nicole Buchanan
Katelyn Lyle Eisendrath
Maya Khalil Eter
Abrielle Elise Fretz
Royce Anthony Garmo
Alexandra Jankulov

Kathleen Kramer
Erica Lynn Lydey
Joslin Riley Musick
Batoul Nasser
Eric Nicolau
Joon-Young Oh
Yanil Victoria Ramirez
Zachery Allen Sloan
Caitlin Elizabeth Urban
Brittany Nicole Vill
Samuel Phyllip Vyortkin
Leland Richard Williamson
Queena Zhao

SCHOOL OF DENTISTRY

Founded in 1875, Laurie K. McCauley, Dean

Master of Science

Dental Hygiene

Uzma Amtulmateen Arif
Heather Reneé Morse
Sarah Niazi
Valerie Kay Nieto

Orthodontics

Margaret Therese Anderson
Spencer Bernard Crouch
Alexis Leigh Gallagher
Allison Greenberg
Julia Kim Jeong
Jessica Lauren Perry
Alexandra Pischke Thomas

Periodontics

Sajjad Ashnagar
Ali Bushahri
Anusha Reddy Etikala

Restorative Dentistry

Osama Alshammari

COLLEGE OF ENGINEERING

Founded in 1895, Alec D. Gallimore, Robert J. Vlastic Dean of Engineering

Master of Science

Biomedical Engineering

Natalie Ann Deering
Cassandra Sue Ellen Woodcock

Master of Science in Engineering

Biomedical Engineering

Carlos Josue Anaya Ramirez
Morgan William Bolger
Nicole Erin Friend
Kritika Iyer
Beomseo Koo
Nicholas Schott

Chemical Engineering

Tatyana Eleanor Saleski

Construction Engineering and Management

Qin Yin

Electrical and Computer Engineering

Rachel Caron
Boyang Zhang

A. ALFRED TAUBMAN COLLEGE OF ARCHITECTURE AND URBAN PLANNING

Founded in 1913, Jonathan Massey, Dean

Master of Science

Architecture Design and Research

Hong-Fen Lo

SCHOOL OF EDUCATION

Founded in 1921, Elizabeth Birr Moje, Dean

Master of Arts

Educational Studies

Katherine Maria Abuchaibe
Jess Ackerman
Fatima Al-Raishouni
Jennifer Ashley Natividad Asong
Rebecca Anne Baril
William Jerome Bell
Alyssa Ann Black
Kayla Rae Bomeli
Nathan Edward Booms
Brianna C. Borrello
Tawnee Brodie
McKenzie Taylor Campbell
Natalie Lyn Capatina
Natalie Marie Caramagno
Sarah Lyn Chirichigno
Ashley Hailea Christopherson
Kennedy Clark
Salima Evangeline Clark
Rachel Lauren Cohen
Taylor Coleman
Brian D'Auteuil
Olivia Anne DeLucia
Alison Scott Denomme
Beth A. DeRosier
Kevin Charles Dlugos
Morgan Sonya Ebright
Whitney Simic Finch
Bayan Founas
Amanda Marie Frerichs
Daniel Garcia-Archundia
Allison Elyse George

Yazmin Aimee Gerardo
David Goff
Brandon S. Gregg
Erin Elizabeth Gregoire
Jeremy Guardiola
Murphy Catherine Hansen
Anniegrace Marie Heise
Keandra Danay Hollis
Shanna E. Johnson
Jacob Francis Judd
Amanda Caitlin Juntunen
James Patrick Kelly
Anna Rose Kinzie
Raven Knudsen
Loujain Kouider
Kelsey Marie Lafferty
Daphne Li
Kassia Claire Massey
Jonathan James Sung Mayers
Sasha Cely Mejia
Reem Mikha
Emily Keane Mills
Aileen Molina
Iona Amber Mukherjee
Jonathan B. Penn
Neena Faye Pio
Suzannah Browning Prepsky
Chengzhi Qiao
Nikole Racicot
Naheim A. Rida
Geoffrey Robinson
Jacqueline Elizabeth Roche

Taylor Danielle Ryan
Lia Hannah Sacks
Shubha Sarode
Karin Therese Scott
Derek Milton Seidl
Allison Michele Shaune
Rachel Sherwin
Ignacio Silva Figueroa
Stephan Gregory Soloman
Ennis Soubani
Kelley Elizabeth Stearns
Jordan Jahmen Tafari
Ociel Torres
Ryan Aaron Trauger
Mary Catherine Turner
Elizabeth Jeanne Tyburski
Lia Ann Vallina
Evelyn Marie Ventola
Dana Celeste Walker
Noreen McLeod Walls
Jessica Ann Wells
Juliya Gilburd Wicklund
Sarah Josephine Wiest
Madeline Lorraine Woods
Nichole Yang
Natalie Jill Zimmerman

Higher Education

Maureen Fausone
Ryan Alexander Henyard
Jay Shunnar
Megan Noelle Taylor

SCHOOL FOR ENVIRONMENT AND SUSTAINABILITY

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

Master of Science

Environment and Sustainability

Sarah Elizabeth Kalikow
Jesse Thomas McCarter

Natural Resources and Environment

Hana M. Qoronfleh

SCHOOL OF MUSIC, THEATRE & DANCE

Founded in 1940, David A. Gier, Dean

Master of Fine Arts

Dance

Kelly Ann Hirina

SCHOOL OF PUBLIC HEALTH

Founded in 1941, F. DuBois Bowman, Dean

Master of Science

Clinical Research

Katharine E. Asta
Brian Chang
Michael Joseph Kirsch II
Megan McLeod

Alan Paniagua Cruz
Ari D. Schuman
Cameron Reed Thompson Strong

Epidemiology

Claudia Villatoro

UNIVERSITY OF MICHIGAN-FLINT

Founded in 1956, Susan E. Borrego, Chancellor

COLLEGE OF ARTS AND SCIENCES

Master of Arts

Liberal Studies

Erin Ciesielski
Chris J. Cutler

Master of Public Administration

Marquetta R. Callahan
Christel Y. Drew
Priya Haripriya Sameer
Sarah Hesse
Kelly M. Hurley

Ya'Shica D. Johnson
Bonita L. LeFear-White
Philip D. Lewan
Harmony M. Lloyd
Charles K. Ludwick

Stephanie Mansoor
David Mausolf
Matthew D. McDaniel
Ashley N. Richards
Deadrea L. Smith

UNIVERSITY OF MICHIGAN-DEARBORN

Founded in 1958, Domenico Grasso, Chancellor

COLLEGE OF ENGINEERING AND COMPUTER SCIENCE

Master of Science

Computer and Information Science

Shruthi Alagashetty
Priyanka Asnani
Nikhitha Bekkanti
Nihar Maka
Sri Sai Krishna Piedy
Shashank Shivarudrappa

Data Science

Meigui Yu

Information Systems and Technology

Sudhindra Desai
Ishani Modi
Balaji Rajendran
Maryam Syeda

Program and Project Management

Nadeem Saco
Fangting Wang

Software Engineering

Gayathri Ganesan

UNIVERSITY OF MICHIGAN-DEARBORN

Master of Science in Engineering

Automotive Systems

Hardeep Singh
Harshal Bhosale
Adarsh Srinivas Krishnan
Satyajit Krothapalli
Preeti Negi
Harsh Jayeshkum Patel
Nikhil Patil
Chirag Shivananda
Mohan Prasad Sudarsan
Kushagra Upreti

Electrical Engineering

Bhavani Anantapur Bache
Brantley Montgomery
Yunis Zahr

Industrial and Systems Engineering

Lalith Kumar Dharmarajan
Sanket Dhole
Virginia Field
Jayadeep Ram Guttikonda

Venkatesh Kandregala
Bharat Kotabagi

Mechanical Engineering

Venkata Satya S Agnihothram
Pranav Deshpande
Suparshwa Keerthi
Likith Manjegowda
Deepika Somayajula
Prasanth Kumar Yalamanchili

SCHOOL OF KINESIOLOGY

Founded in 1984, Lori Ploutz-Snyder, Dean

Master of Science

Movement Science

Samantha Carli Bauer
Konsuela Shanikka Bolton

Alison Crew
Carina Blei Wilden

Sport Management

Hannah Meier

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!

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It is the right of members of the University community, speakers, artists, and other invited guests to express their views and opinions at the University. We will protect the right of individuals to speak or perform, and the rights of those members of the University community who wish to hear and communicate with an invited speaker or artist.

Protesters also have a right to express their opposition to a speaker in appropriate ways, both within the confines of this building and outside the facility. However, protesters must not interfere unduly with communication between a speaker or artist and members of the audience.

If the hosts of this event or University representatives believe that protesters are interfering unduly with a speaker or performer's freedom of expression, those protesters will be warned. If the warnings are not heeded and the interference continues, then the individuals responsible may be removed from the building.

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Comments? Contact us at rackhamgraduateexercises@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 through the night
And reel in a rollicking crew;
Yellow the field 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!