

ARTES

APRIL 28, 2023

SCIENTIA

HILL AUDITORIUM

VERITAS



RACKHAM GRADUATE EXERCISES



Honoring the
Class of 2023

RACKHAM GRADUATE EXERCISES

UNIVERSITY OF MICHIGAN

APRIL 28, 2023

This program includes a list of the candidates for degrees to be granted upon completion of formal requirements. 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.

Horace H. Rackham School of Graduate Studies	17
College of Literature, Science, and the Arts.....	27
Medical School.....	29
School of Dentistry	30
College of Pharmacy	30
Gerald R. Ford School of Public Policy.....	31
College of Engineering.....	32
Marsal Family School of Education	37
Stephen M. Ross School of Business.....	38
School for Environment and Sustainability	38
School of Music, Theatre & Dance	40
A. Alfred Taubman College of Architecture and Urban Planning	41
School of Public Health	42
University of Michigan-Flint	43
University of Michigan-Dearborn.....	43
Penny W. Stamps School of Art & Design.....	44
School of Kinesiology.....	45

A preliminary list of August 2023 degree candidates begins on page 47.

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

Carson Landry
Master of Music, Carillon Performance, 2024
School of Music, Theatre & Dance

Prelude

Toccata in F, BWV 540
Composed by Johann Sebastian Bach
Nicole Keller
University Organist and Associate Professor of Music
School of Music, Theatre & Dance

***Processional**

Voluntary in C
Composed by Henry Purcell
Nicole Keller

***The National Anthem**

The Star Spangled Banner
Megan Warburton
Master of Music, School of Music, Theatre & Dance

Welcome

Laurie K. McCauley
Provost and Executive Vice President for Academic Affairs

Greetings from the Board of Regents

Paul W. Brown
Chair, University of Michigan Board of Regents

Student Speaker

Sara Abou Rashed
Master of Fine Arts, Creative Writing (Poetry)
College of Literature, Science, and the Arts

Statement to the Class of 2023

Santa J. Ono
President

Commencement Address

Mary Sue Coleman
President Emerita, University of Michigan

Musical Selections

"Aus Holbergs Zeit" I. Praelude and V. Rigaudon
Composed by Edvard Grieg, and arranged by Julian Velasco

Cerus Quartet
Roberto Campa
Bachelor of Music, Saxophone Performance, 2023
Samuel Dishon
Bachelor of Music, Saxophone Performance, 2024
Kyle Kato
Bachelor of Music, Saxophone Performance, 2024
Laura Ramsay
Bachelor of Music, Saxophone Performance and Music Education, 2024

Student Speaker	Michael Gonzalez <i>Doctor of Philosophy, Robotics, College of Engineering</i>
Remarks on Behalf of the Horace H. Rackham School of Graduate Studies	Michael J. Solomon <i>Dean, Horace H. Rackham School of Graduate Studies and Vice Provost for Academic Affairs—Graduate Studies</i>
Candidates for Master’s Degrees and Certificates	Santa J. Ono Michael J. Solomon
Presentation of Doctoral Candidates	Santa J. Ono Michael J. Solomon
Congratulations	Salene Hitchcock-Gear <i>Board of Directors, Alumni Association of the University of Michigan</i>
*The Alma Mater	The Yellow and Blue <i>Composed by Michael W. Balfe</i> Nicole Keller (see lyrics at the back of the program)
*Recessional	Allegro Maestoso e Vivace from Sonata IV, Op. 65 <i>Composed by Felix Mendelssohn</i> Nicole Keller

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

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

REGENTS OF THE UNIVERSITY

Jordan B. Acker	Huntington Woods
Michael J. Behm	Grand Blanc
Mark J. Bernstein	Ann Arbor
Paul W. Brown	Ann Arbor
Sarah Hubbard	Okemos
Denise Ilitch	Bingham Farms
Ron Weiser	Ann Arbor
Katherine E. White	Ann Arbor
Santa J. Ono	<i>ex officio</i>

EXECUTIVE OFFICERS

Santa J. Ono	<i>President</i>
Thomas A. Baird	<i>Vice President for Development</i>
Geoffrey Chatas	<i>Executive Vice President and Chief Financial Officer</i>
Sally J. Churchill	<i>Vice President and Secretary of the University</i>
Rebecca Cunningham	<i>Vice President for Research</i>
Rick Fitzgerald	<i>Interim Vice President for Communications</i>
Martino Harmon	<i>Vice President for Student Life</i>
Chris Kolb	<i>Vice President for Government Relations</i>
Timothy G. Lynch	<i>Vice President and General Counsel</i>
Laurie K. McCauley	<i>Provost and Executive Vice President for Academic Affairs</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>
Debasish Dutta	<i>Chancellor University of Michigan-Flint</i>
Domenico Grasso	<i>Chancellor University of Michigan-Dearborn (Represented by Armen Zakarian, Vice Provost for Research)</i>

DEANS AND REPRESENTATIVES

Beth Angell	<i>Dean, School of Social Work</i>
F. DuBois Bowman	<i>Dean, School of Public Health</i>
Anne Curzan	<i>Dean, College of Literature, Science, and the Arts</i>
Vicki Ellingrod	<i>Dean, College of Pharmacy</i> <i>(Represented by Duxin Sun, Charles R Walgreen Jr Professor of Pharmacy, Professor of Pharmaceutical Sciences and Associate Dean for Research)</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>
Donna Hayward	<i>Interim University Librarian and Dean of University Libraries</i>
Jan Hu	<i>Interim Dean, School of Dentistry</i>
Patricia D. Hurn	<i>Dean, School of Nursing</i> <i>(Represented by Sarah Stoddard, Associate Professor of Nursing, Director Academic Program)</i>
Carlos Francisco Jackson	<i>Dean, Penny W. Stamps School of Art & Design</i>
Jonathan Massey	<i>Dean, A. Alfred Taubman College of Architecture and Urban Planning</i> <i>(Represented by Anya Sirota, Associate Dean for Academic Initiatives)</i>
Sharon F. Matusik	<i>Edward J. Frey Dean of Business, Stephen M. Ross School of Business</i> <i>(Represented by Tom Buchmueller, Senior Associate Dean for Faculty and Research)</i>
Elizabeth Birr Moje	<i>Dean, Marsal Family School of Education</i> <i>(Represented by Deborah Rivas-Drake, Associate Dean for Diversity, Inclusion, Justice & Equity)</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> <i>(represented by Professor Gil Omenn, Harold T Shapiro Distinguished University Professor of Medicine, Professor of Computational Medicine and Bioinformatics, Professor of Internal Medicine, Professor of Human Genetics)</i>
Michael J. Solomon	<i>Dean, Horace H. Rackham School of Graduate Studies and Vice Provost for Academic Affairs–Graduate Studies</i>
Celeste Watkins-Hayes	<i>Interim Dean of Public Policy, Gerald R. Ford School of Public Policy</i> <i>(Represented by John Ciorciari, Associate Dean for Research and Policy Engagement and Professor of Public Policy)</i>
Mark D. West	<i>David A. Breach Dean of Law, Law School</i>
Elizabeth Yakel	<i>Interim Dean, School of Information</i>

STUDENT SPEAKERS

Sara Abou Rashed

College of Literature, Science and the Arts, Master of Fine Arts-Creative Writing, Helen Zell Writer's Program



Sara Abou Rashed of Columbus, Ohio, is an award-winning poet and speaker. Of Palestinian descent, she grew up in Syria and has lived in the United States since 2013. Her work, such as in her poem “I Am America” and one-woman show, *A Map of Myself*, captures the complexities of exile and home. Sara’s accolades include a TEDx Talk and her poetry appears in *Poetry* magazine and McGraw Hill’s High School English curriculum. Sara has delivered keynotes at numerous conferences, including the National Convention of Teachers of English and the American Foreign Service Intercultural Exchange Program. As a graduate student instructor at U-M, Sara taught “Academic Writing” and “Poetry, Prose and Performance of Place.” She was also part of the Arab Heritage Month committee and worked for two U-M literary magazines, *Absinthe* and *Michigan Quarterly Review*. A 2021 Presidential Medalist of Denison University, Sara hopes her writing continues to bridge communities.

Michael Gonzalez

College of Engineering, Doctor of Philosophy in Robotics



Michael Gonzalez is one of the first PhD students to graduate from the College of Engineering’s new Robotics department. His scholarly focus is characterizing the role of sensation in upper limb prosthetic function and experience. Michael conducted experiments to characterize sensation in individuals with amputation through the stimulation of RPNIs, a novel nerve interface developed here at U-M. Michael also developed a virtual reality interface that allows participants to control a virtual hand and feel virtual objects. Michael graduated *magna cum laude* with a B.S. in mechanical engineering from University of Central Florida (2016). At U-M, he worked in the Rehabilitation Biomechanics Lab under Dr. Deanna Gates. He was also an active member of the Robotics Graduate Student Council. Michael is a Rackham Merit Fellow and, upon graduation, will work for the FDA to improve regulatory science in an effort to expand public understanding and access to novel assistive devices.

COMMENCEMENT SPEAKER

Mary Sue Coleman

President Emerita, University of Michigan



Mary Sue Coleman is president emerita of the University of Michigan, and former president of the Association of American Universities. Previously, she co-chaired the Lincoln Project of the American Academy of Arts and Sciences, a strategic effort to preserve the strength of public research universities. She is the first woman to lead U-M and, as 13th president, she is considered not only one of its most successful leaders but also its most beloved. A biochemist by training, her research advanced understanding of immune systems and malignancies. She was president of the University of Iowa from 1995-2002, president of U-M from 2002-2014 and again in 2022. In 2009, *Time* magazine named her one of the nation's "10 best college presidents." Known widely as Mary Sue, she navigated the university through the nation's worst financial crisis in 50 years, expanding the entire enterprise – research, teaching, alumni relations, facilities, and overall financial health. In her 2002 inaugural speech, she unveiled a major theme of her presidency: unleashing the power and promise of interdisciplinary research. When Pfizer unexpectedly closed its Ann Arbor research center, she purchased the vast site and founded the North Campus Research Complex (2009), dedicating the facilities to interdisciplinary research on cancer, heart disease, advanced

transportation, bioinformatics among others, as well as public-private research partnerships, to strengthen and diversify Michigan's economy. She helped establish the University Research Corridor (2006), a research partnership between U-M, Michigan State and Wayne State universities to spur innovation and economic development for the state. She launched the Interdisciplinary Junior Faculty Initiative (2007) to hire 100 tenure-track junior faculty in key areas: human health, environmental sustainability, alleviation of poverty and the humanities. Another transformational achievement – controversial at the time – was the Google Books Library Project (2004), an effort by the tech giant to digitize the seven-million volumes that comprised U-M's library. Despite resistance, Coleman called the project a "public good" and, through persuasion, is credited with convincing other major universities to participate. First, however, came the students. Coleman prioritized students' learning and living experiences, investing in improvements and enhancements, including \$650 million in residential hall upgrades (2004). To monitor the heartbeat of the students firsthand, she participated in the U-M Mentorship Program, meeting one-on-one with incoming freshmen each term and serving as faculty advisor. With her husband, Ken, she has been one of the most philanthropic presidents in U-M history, endowing global-experience travel scholarships, undergraduate and graduate scholarships, and a life sciences lecture. She led two capital campaigns: The Michigan Difference (2008), which raised \$3.2 billion, far exceeding its \$2.5-billion fundraising goal, and Victors for Michigan (2018) which set a \$4 billion goal which subsequently raised \$5.28 billion.

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.

Richard Lee Aaron
Eytan Adar
Sara D. Adar
Ehsan Afshari
Carlos Andres Aguilar
Elaheh Ahmadi
Raed Al Kontar
Evelyn Alsultany
Nancy Ambrose King
Anuska V. Andjelkovic-Zochowska
Larry E. Antonuk
James A. Ashton-Miller
Ella Marie Atkins
Sara Jo Aton
Laura L. Aull
Ryan C. Bailey
Rohini Bala Chandran
Laura Balzano
Sami J. Barmada
Robin Andrew Beck
Jacinta Catherine Beehner
Thore Jon Bergman
Dennis S. Bernstein
Stephen Berrey
Valeria M. Bertacco
Julie Biteen
C. Hoyt Bleakley
Joel D. Blum
Andre L. Boehman
Victoria Booth
Alan P. Boyle
Yavuz Ahmet Bozer
Tom Braun
Jonathan R. Brennan
Chad Brenner
Dave Bridges
Charles Burant
Robyn J. Burnham
Chad E. Burrow
Dawen Cai
Kevin Gray Carr
Maria Castro
Steven L. Ceccio
Timothy Andrew Cernak
Joyce Chai
Yang Chen
Mark Chiang
Arul M. Chinnaiyan
Tim Chupp
8 Michael Cianfrocco

Rhima M. Coleman
Jason Corso
Felipe A. Csaszar
Steven Thomas Cundiff
Anne Curzan
James W. Cutler
Glen T. Daigger
Reetuparna Das
Neil P. Dasgupta
William Todd Dauer
Michael K. Daugherty
Alison R. Davis Rabosky
Sharlene M. Day
Jason Demers
Brian Denton
Parag B. Deotare
Stephen Lowell DesJardins
Maureen J. Devlin
Gina DiBraccio Riemer
Christopher William Dick
Susan J. Douglas
David R. Dowling
R. Paul Drake
Ronald Dreslinski, Jr.
Tom Duda
Karthik Duraisamy
Myles Isaac Durkee
Joseph Neil Eisenberg
Marisa Eisenberg
Carol Elias
Henriette Dina-Maria Elvang
Roya Ensafi
Bogdan Epureanu
Nancy Fleischer
Stephen Forrest
John Edison Foster
Katherine L. French
Almantas Galvanauskas
Mirko Gamba
Amanda Lee Garner
Deanna Gates
Elaine K. Gazda
Arline T. Geronimus
Eitan Geva
Yogesh B. Gianchandani
Daniel Gilbert
Ronald M. Gilgenbach
David Ginsburg
Sharon C. Glotzer
Richard D. Gonzalez

Theodore G. Goodson III
Aubree Gordon
Joe Grengs
Linda N. Groat
Seth David Guikema
Michael L. Haithcock
David Halen
Timothy Lewis Hall
Gary D. Hammer
Saher Sue Hammoud
Michele A. Hannoosh
Rebecca D. Hardin
Zhi He
Zhong He
Kathryn Lake Heinze
Ingrid L. Hendy
Daniel Louis Hertz
Allen D. Hicken
Joseph Alan Himle
James R. Hines, Jr.
Robert Hovden
Joel D. Howell
Tailen Hsing
Cheng Huang
Daniel J. Inman
Valeriy Y. Ivanov
Trachette L. Jackson
Robert Scott Jansen
Xianzhe Jia
Eric Johnsen
Mattias Jonsson
Nicholas Jordan
James M. Joyce
Lars Peter Junghans
Fritz A. Kaenzig
Charlotte Karem Albrecht
Alla Karnovsky
Joan Kee
Bryan C. Kennedy
Robert T. Kennedy
Gretchen Keppel-Aleks
Branko Kerkez
Kelley Kidwell
Brian Kiedrowski
S. E. Kile
Hun Seok Kim
David H. Kohn
Eric Kort
Nicholas Kotov
Markos Koutmos

DISSERTATION CHAIRS

Kristin Koutmou	Donna Nagata	Sebastian Sotelo
Pei-Cheng Ku	Sunitha Nagrath	Ralf J. Spatzier
Katsuo Kurabayashi	Lisa C. Nevett	Corey Speers
Carolyn Christine Kuranz	Jun Ni	George P. Steinmetz
Cagliyan Kurdak	Theodore B. Norris	Stilian Stoev
Joerg Lahann	Carla O'Connor	Scott Stonington
Adam Lauring	Melanie D. Ohi	Kathleen A. Stringer
Mariel Lavieri	Chinedum Emmanuel Okwudire	Jing Sun
John V. Leahy	Sheryl L. Olson	Megan L. Sweeney
Nicolai Lehnert	Gilbert S. Omenn	Wenda Tan
Andrej Lenert	Gabor Orosz	Alan Taub
Andrei A. Levchenko	Necmiye Ozay	Nicola Terrenato
Marjorie Levinson	Amit Pai	Peter Tessier
Andrew P. Lieberman	Dimitra Panagou	Greg Michael Thurber
Nina Lin	Nansook Park	Theresa L. Tinkle
Jennifer J. Linderman	Parag G. Patil	Hitomi Tonomura
Suljo Linic	Huei Peng	Louise Toppin
Allen Liu	Bjoern Penning	Valerie Traub
Henry Liu	Alexander Perry	Billy Tsai
Zhongming Liu	Becky Lorenz Peterson	John H. Vandermeer
Nancy G. Love	Aaron Pierce	Ram Vasudevan
Carey Nien-Kai Lumeng	Adela N. Pinch	Anthony Vecchiarelli
Laura M. MacLatchy	Jodyn Platt	Nickolas Vlahopoulos
Charles Mader	Scott Pletcher	Anthony Waas
Scott Mahlke	S. Sandeep Pradhan	James Robert Wagner
Kevin John Maki	Atul Prakash	Nils G. Walter
Z. Morley Mao	Yopie Prins	Michael M. Wang
Anna K. Mapp	Andrew Putnam	Thomas D. Wang
Andrei S. Markovits	Yutao Qin	James David Weiland
Joaquim R R A Martins	Jim Raines	Brady Thomas West
Neda Masoud	Stephen C. Rand	Tyler Whitney
Johanna Mathieu	Lutgarde M. Raskin	Jenny Wilson
Adam J. Matzger	Emily Rauscher	Alexander Murray Wright
Heather B. Mayes	Pavan R. Reddy	Zhenke Wu
Jason P. McCormick	Nilton O. Renno	Zhen Xu
Mike McGovern	Philip L. Roe	Steven M. Yalisove
Walter R. Mebane, Jr.	Gustavo Rosania	Yafeng Yin
Carol C. Menassa	Pramod Sangi Reddy	Euisik Yoon
Edgar Meyhofer	Corinna Schindler	Tara Yosso
Joanna Mirecki Millunchick	Celia E. Schultz	Jon Zelner
Tom Minehan	Anna A. S. Schwendeman	David Zerkel
Jamie Mitchell	Steven P. Schwendeman	Bing Zhou
Elizabeth B. Moje	Timothy Francis Scott	Yue Maggie Zhou
Joi-Lynn Mondisa	Benjamin M. Segal	Haojie Zhu
Chauncey Monte-Sano	Jonathan Zachary Sexton	Paul Zimmerman
John Montgomery	Priti R. Shah	Michal R. Zochowski
Bethany B. Moore	Siqian May Shen	Sebastian K. Zoellner
Jeffrey D. Morenoff	Charles R. Shipan	
Barzan Mozafari	Ginger Shultz	
Erik A. Mueggler	Volker Sick	
Andrew G. Muntean	Adam Charles Simon	
Mircea Immanuel Mustata	David Jacob Singer	
Mary-Ann Mycek	James Arthur Slavin	
Viswanath Nagarajan	Alan Smrcka	

MARSHALS OF THE UNIVERSITY

John D. Pasquale

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

Mika LaVaque-Manty

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

Stephen B. West

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

Valeria Bertacco

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

ACADEMIC DRESS AND CUSTOM

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

Gowns

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

Hoods

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

Caps

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

UNIVERSITY FLAGS

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

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

FLAG BEARERS

Jesse Wotring
Horace H. Rackham School of Graduate Studies Flag

Hannah Abraham
University Flag

THE UNIVERSITY MACE

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

ACADEMIC COLORS

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

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

SCHOOLS AND COLLEGES OF THE UNIVERSITY

The order of presentation is by the year of founding.

College of Literature, Science, and the Arts

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

Medical School

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

Law School

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

School of Dentistry

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

College of Pharmacy

Established as a department in 1868, Pharmacy became a college in 1876, the first in any university in the United States. Today, the college has an average annual enrollment of 330 doctor of pharmacy, 100 graduate, and 100 undergraduate students, and is consistently ranked among the top pharmacy schools in the nation. The college offers the doctor of pharmacy degree; baccalaureate program in pharmaceutical sciences; master's program in integrated pharmaceutical sciences; and doctor of philosophy programs in clinical pharmacy translational science, medicinal chemistry, and pharmaceutical sciences. Major areas of research include the biological, chemical, clinical, genomic, economic, and social aspects of drugs and therapeutic agents.

Horace H. Rackham School of Graduate Studies

The Horace H. Rackham School of Graduate Studies oversees and coordinates graduate education, bringing together graduate students and faculty from across the institution to experience and take full advantage of the University as a scholarly community. The University awarded its first master of arts degree in 1849, first master of science degree in 1859, and first doctor of philosophy degree in 1876. Organized as a department in 1892, the School of Graduate Studies became an autonomous unit in 1912. In 1935, a generous gift from Horace H. and Mary A. Rackham included the site and construction of the Rackham Building for graduate studies and a substantial endowment for carrying on graduate work and research.

Gerald R. Ford School of Public Policy

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

College of Engineering

Instruction began with a class in civil engineering in 1854. Historically, the College of Engineering has been a leader in establishing departments in emerging fields, including metallurgical engineering, naval architecture and marine engineering, electrical engineering, chemical engineering, aeronautical engineering, nuclear engineering, and computer engineering. Today, the college and its 85,000 alumni provide leadership in various technologies, health care, business, and the sciences, improving the quality of people's lives around the world.

Marsal Family School of Education

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

Stephen M. Ross School of Business

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

School for Environment and Sustainability

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

School of Music, Theatre & Dance

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

A. Alfred Taubman College of Architecture and Urban Planning

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

School of Nursing

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

School of Public Health

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

School of Social Work

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

School of Information

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

Penny W. Stamps School of Art & Design

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

School of Kinesiology

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

CANDIDATES FOR DEGREES AND CERTIFICATES

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

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

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

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

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

Doctor of Musical Arts

Nicholas Thomas Brown Balla, Field of Specialization: Conducting (Band). Dissertation: Summary of Three Dissertation Recitals.

Colleen Cole Beucher, Field of Specialization: Music Performance. Dissertation: Summary of One Opera Role and Two Dissertation Recitals

Emily Jie Ji, Field of Specialization: Music Performance. Dissertation: Summary of Dissertation Recitals Three Programs of Clarinet Music.

Jillian Kouzel, Field of Specialization: Music Performance. Dissertation: Three Programs of Oboe Music.

Ryan Elliott Lindveit, Field of Specialization: Music Composition. Dissertation: Bass Clarinet Concerto.

Hongyi Mo, Field of Specialization: Music Performance. Dissertation: Eugene Ysaÿe's Six Sonatas for Solo Violin in Three Recitals.

Taide Odemaris Prieto Carpio, Field of Specialization: Music Performance. Dissertation: Summary of Three Dissertation Cello Recitals Russian, Mexican and Female Voices through the Cello.

Mary Elizabeth Silva-Garza, Field of Specialization: Music Performance. Dissertation: Two Dissertation Recitals and a Lecture Recital for Horn.

Jacob Maurice Taitel, Field of Specialization: Music Performance. Dissertation: Three Dissertation Recitals.

Doctor of Philosophy

Mojtaba Abdolmaleki, Field of Specialization: Civil Engineering. Dissertation: Real-time Operations Management for Emerging Mobility Systems.

Hannah Abraham, Field of Specialization: Cancer Biology. Dissertation: From Population to Protein: A Characterization of Inflammatory Breast Cancer via Epidemiology and Molecular Biology

Alexander Lee Adams, Field of Specialization: Chemical Engineering. Dissertation: Computational Study of Plant Cell Wall Syntheses.

Madison J. Adkins, Field of Specialization: Psychology. Dissertation: Visualizing a Pandemic: Lessons from COVID-19 About Data and Decisions.

Bader AlBader, Field of Specialization: Architecture. Dissertation: Spatializing the Knowledge Economy: The Campus as a Discursive Project, Parallel Project, and More-than-Institutional Project.

Rawan Hussein Almallahi, Field of Specialization: Chemical Engineering. Dissertation: Designing Catalysis Beyond the Active Site: Overcoming Limitations in Propane Dehydrogenation Using Multicomponent Catalyst/Membrane Systems.

Eunhye An, Field of Specialization: Mechanical Engineering. Dissertation: Compressible and Geometrical Effects on Shearless Turbulent Mixing.

Brady Anderson, Field of Specialization: Chemistry. Dissertation: Liquid Chromatography - Mass Spectrometry Improvements for Metabolomics.

Emily Andrus, Field of Specialization: Epidemiological Science. Dissertation: Invisible Information, Unseen Connections: An Exploration of the Hidden Relationships that can Shape Data.

Josh Anibal, Field of Specialization: Aerospace Engineering and Scientific Computing. Dissertation: Aerodynamic Shape Optimization of Heat Exchangers

Abdul Rahim Ansari, Field of Specialization: Applied Physics. Dissertation: Femtosecond Laser Pulses and Thin Metallic Films: Mixing in the Vapor Dome and the Solid State.

Touheed Anwar Atif, Field of Specialization: Electrical and Computer Engineering. Dissertation: From Compression to Communication: Performance Limits for Quantum Networks.

Yifan Bai, Field of Specialization: Aerospace Engineering and Scientific Computing. Dissertation: Shock Capturing for High-Order Computational Fluid Dynamics.

Cristian-Paul Bara, Field of Specialization: Computer Science and Engineering. Dissertation: Theory of Mind in Situated Communication for Collaborative Tasks.

Patrick Michael Barnes, Field of Specialization: Physics. Dissertation: Dark Matter and Baryogenesis.

Luisa Barrera, Field of Specialization: Mechanical Engineering. Dissertation: (Photo)Electrochemical Performance Predictions and Electrocatalytic Measurements for Wastewater Nutrient Recovery and Solar Hydrogen Production.

Nathan E. Bauer, Field of Specialization: Higher Education. Dissertation: The Influence of Price Changes on Enrollment: Research Designs to Examine Price Responsiveness in Graduate and Professional Schools.

Jorge Becerra, Field of Specialization: Chemical Biology. Dissertation: Modulation of NF- κ B Activity with Synthetic Inhibitors of NEMO.

Bethany Genelle Beekly, Field of Specialization: Neuroscience. Dissertation: Sex-Specific Roles for Melanin-Concentrating Hormone Neurons Linking the Neuroendocrine Reproductive Axis and Sleep.

Sofia Bento, Field of Specialization: English and Women's Studies. Dissertation: Not a Flower to Be Smelled: And Other Badly Translated Portuguese Adages for Budding Feminists.

Eric Adair Bettis, Field of Specialization: Urban and Regional Planning. Dissertation: If They're Riding It, We're Not Voting for It: Assessing the Role of Racial Threat on Voter Support for Regional Public Transit in Atlanta and Detroit.

Kaustav Bhadra, Field of Specialization: Mechanical Engineering. Dissertation: Co-optimizing Engine Hardware and Fuel Chemistry for Improving Thermal Efficiency and Reducing Pollutant Emissions of Gasoline Fueled Direct Injection Internal Combustion Engines.

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

Doctor of Philosophy

- Mitchell Kenneth Black, Jr.**, Field of Specialization: Aerospace Engineering. Dissertation: Toward Safe Control under Uncertainty: Adaptation and Prediction for Control Barrier Functions.
- Katherine Perry Blumstein**, Field of Specialization: Psychology. Dissertation: Parents' Ethnotheories of the Nature and Causes of Positive Development and Maladjustment in Young Children: A Comparison of Spain and the United States.
- Charles Bowers**, Field of Specialization: Climate and Space Sciences and Engineering. Dissertation: The Local and Global Effects of Magnetic Reconnection at Mars.
- Pavel Brunssen**, Field of Specialization: Germanic Languages and Literatures. Dissertation: "The Making of Jew Clubs": Performing Jewishness and Antisemitism in European Soccer and Fan Cultures.
- Karen Aleksandra Butt**, Field of Specialization: Mathematics. Dissertation: Closed Geodesics and Stability of Negatively Curved Metrics.
- Elizabeth Gay Callison**, Field of Specialization: Naval Architecture and Marine Engineering. Dissertation: Demonstration of Turbulent Drag Reduction on a Towed Body and Two-phase Mixing Through a Narrow Gap.
- Yulong Cao**, Field of Specialization: Computer Science and Engineering. Dissertation: Toward Secure and Safe Autonomous Driving: an Adversary's Perspective.
- Guangye Cao**, Field of Specialization: Economics. Dissertation: Essays on Cryptocurrency.
- Avery Lachlann Carlson**, Field of Specialization: Environmental Engineering. Dissertation: Advanced Analytical Methods for Assessing Biological Nutrient Removal in Membrane Wastewater Treatment Systems.
- Megan Garver Carlson**, Field of Specialization: English and Education. Dissertation: The Art and Practice of Developing an Anxiety and Depression Literacy.
- Stephen Vincent Carney**, Field of Specialization: Cancer Biology. Dissertation: Epigenetic Reprogramming in Mutant IDH1 Glioma Influences Radioresistance and Neural Lineage Differentiation.
- Veronica L. Caro**, Field of Specialization: Materials Science and Engineering. Dissertation: Comparative III-As-Bi Surface Morphologies and Microstructure and Disciplinary Literacy in MSE.
- Sofia Carrera**, Field of Specialization: Psychology. Dissertation: Challenges to Female Reproduction and Survival in Wild Primates.
- Brandon Alen Carter**, Field of Specialization: Materials Science and Engineering. Dissertation: A Multi-Faceted Approach to Advancing Materials Science: Investigations in Materials Research and Education.
- Attilio Ernesto Castano**, Field of Specialization: Mathematics. Dissertation: A Berkovich Approach to Perfectoid Spaces.
- Christopher Castro**, Field of Specialization: Bioinformatics. Dissertation: Investigating the Role of Noncoding De Novo Single-Nucleotide Variants in Autism Spectrum Disorder.
- Peter A. Cerda**, Field of Specialization: Ecology and Evolutionary Biology. Dissertation: Toxic Forms Most Beautiful: The Evolutionary Dynamics of Rear-Fanged Snake Venoms.
- Brian Javier Cevallos Fujiy**, Field of Specialization: Economics. Dissertation: Essays on International Economics.
- Christine Marie Chalifoux**, Field of Specialization: Anthropology. Dissertation: Betrayal and Belonging: Kinship, Ethnicity, and Cosmopolitanism in Kampala.
- Lili Chen**, Field of Specialization: Electrical and Computer Engineering. Dissertation: Fully Integrated Sub-Terahertz Frequency Stabilized Sources and Transceivers for 5G Communications and Beyond.
- Yu Chen**, Field of Specialization: Electrical and Computer Engineering. Dissertation: Low-Power Localization Systems with Hardware-Efficient Deep Neural Networks.
- Mo Chen**, Field of Specialization: Chemistry. Dissertation: Nickel Catalyzed C-H Functionalization: Development, Application and Mechanistic Investigation.
- Ziyuan Chen**, Field of Specialization: Biophysics. Dissertation: Single-Molecule Mapping and Heterogeneous Dynamics of Epigenetic Modifications in Live Microbes.
- Ciao-Sin Chelsea Chen**, Field of Specialization: Clinical Pharmacy Translational Sciences. Dissertation: Identification and Validation of Pre-treatment Nutritional Predictors of Sensory and Motor Paclitaxel-induced Peripheral Neuropathy.
- Long Cheng**, Field of Specialization: Electrical and Computer Engineering. Dissertation: Saturation Effects and Thermal Balance in Laser-Cooled Solids.
- Randy Cheng**, Field of Specialization: Materials Science and Engineering. Dissertation: Investigation of Acoustic Softening and Its Application in Ultrasonic Assisted Incremental Sheet Forming.
- Sang Won Choi**, Field of Specialization: Biomedical Engineering. Dissertation: Preoperative Image-guided Transcranial Histotripsy for Brain Cancer Treatment.
- Christine Choi**, Field of Specialization: Business Administration. Dissertation: Beyond the Dyad: A Portfolio Perspective of Interfirm Relationships.
- John Joon Young Chung**, Field of Specialization: Computer Science and Engineering. Dissertation: Steerable AI-powered Art-making Tools.
- Seokhyun Chung**, Field of Specialization: Industrial and Operations Engineering. Dissertation: Collaborative and Distributed Data Analytics for Smart and Connected Systems.
- Shane Xavier Coffing**, Field of Specialization: Applied Physics. Dissertation: Modeling Hydrodynamic Instabilities, Shocks, and Radiation Waves in High Energy Density Physics.
- Yossi Cohen**, Field of Specialization: Mechanical Engineering. Dissertation: Augmented Intelligence for Fault Diagnosis in Advanced Manufacturing.
- Sheira Cohen**, Field of Specialization: Classical Art and Archaeology. Dissertation: Beyond Ethnicity: Connectivity and Community in Western Central Italy 800-350 BCE.

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

Doctor of Philosophy

- James Anthony Collier**, Field of Specialization: Naval Architecture and Marine Engineering. Dissertation: A Novel Framework for Investigating Design Process Failures with Nuisance Parameters using Influence Structure Diagrams.
- Alex Commisso**, Field of Specialization: Chemical Engineering. Dissertation: Generation and Rearrangement of Thioethers for Self-Reinforcing Thermosets and Semi-crystalline Thermoplastic Photopolymers.
- Madelyn Karman Cook**, Field of Specialization: Earth and Environmental Sciences. Dissertation: Sources of Element/Ca Variability in Foraminifera: From Genesis to Diagenesis to Signal Extraction.
- Miranda Nicole Cosman**, Field of Specialization: Anthropology. Dissertation: Trabecular and Cortical Skeletal Correlates of Locomotor Ontogeny in Pan with Comparisons to Skeletal Variation and Adaptation in Gorilla and Pongo.
- Christina Naegeli Costa**, Field of Specialization: Psychology. Dissertation: Teacher Well-Being: Investigating Barriers and Facilitators Using the Job Demands-Resources Framework.
- Alexandra Lauren Creola**, Field of Specialization: Classical Art and Archaeology. Dissertation: Roman Nymphs and the Underworld: Place, Landscape, and Religion in Roman Italy.
- Elizabeth Rose Crowther**, Field of Specialization: Earth and Environmental Sciences. Dissertation: Using Mercury Stable Isotopes to Identify Sources and Track Biogeochemical Cycling of Mercury in Freshwater Ecosystems.
- Khoi T. Dang**, Field of Specialization: Chemistry and Scientific Computing. Dissertation: Computational and Theoretical Advances in Accurately Modeling Molecular Wave Functions.
- Patricia McCoy DeLacey**, Field of Specialization: Psychology. Dissertation: Causes and Consequences of a Sexually Selected Signal, the Chest Patch, in Male Geladas.
- Min Deng**, Field of Specialization: Civil Engineering. Dissertation: Advancing Management and Control of Enclosed Spaces through Human-Centered Artificial Intelligence.
- Luke DeRoos**, Field of Specialization: Industrial and Operations Engineering. Dissertation: Managing Chronic Health Conditions with Limited Resources.
- Gloria Elizabeth Diaz**, Field of Specialization: Chemistry. Dissertation: Leveraging the Power of Droplets Microfluidics to Profile the Epigenome.
- Bradley Dirks**, Field of Specialization: Mathematics. Dissertation: Using Mixed Hodge Modules to Study Singularities.
- Zhe Du**, Field of Specialization: Electrical and Computer Engineering. Dissertation: Learning, Control, and Reduction for Markov Jump Systems.
- Derek Robert Du Bois**, Field of Specialization: Chemistry. Dissertation: Exploration of Metal-Organic Framework Phase Formation and Design.
- Emily Lauren Eberhardt**, Field of Specialization: Cellular and Molecular Biology. Dissertation: Biochemical and Structural Studies of the Outer Mitochondrial Membrane Protein, Miro1.
- Nosakhare Edoimioya**, Field of Specialization: Mechanical Engineering. Dissertation: Modeling and Feedforward Vibration Compensation of Advanced Manipulators for Extrusion-Based Additive Manufacturing.
- Belquis Aminah Elhadi**, Field of Specialization: American Culture. Dissertation: Precarious Exceptions: Representations of Visibly Muslim Women in Western Media.
- Rachel Cassidy Elias**, Field of Specialization: Chemical Engineering. Dissertation: Mapping the Non-Thermal and Photothermal Energy Landscape in Plasmonic Photocatalysts.
- Mel K. Englund**, Field of Specialization: Genetics and Genomics. Dissertation: Identification and Characterization of Cis-Regulatory Elements in the Human Genome.
- Bolaji Paul Eniwaye**, Field of Specialization: Applied Physics and Scientific Computing. Dissertation: Cholinergic Modulation of Network Activity and Applications in Sleep, Memory and Anesthesia.
- Maria Del Mar Estrada Rebull**, Field of Specialization: Educational Studies. Dissertation: Exploring the Potential of an Inquiry and Disciplinary Literacy Approach to History and Social Science Education in a Public High School in Mexico.
- Timothy D. Everhart**, Field of Specialization: Anthropology. Dissertation: A Study of Scioto Hopewell Monuments and Monumentality.
- Fang Fang**, Field of Specialization: Biostatistics. Dissertation: Bayesian Approaches to Compare Dose Levels From Small N Sequential Multiple Assignment Randomized Trials (snSMART).
- Lloyd Steven Fisher, Jr.**, Field of Specialization: Chemistry. Dissertation: A Spectroscopic Investigation into the Photophysics of Donor-Acceptor Emitters Intended for Use in Thermally Activated Delayed Fluorescence Based Optoelectronic Systems: A Comparison of Excited State Dynamics in Solution and Solid-State.
- Johanna Fleischman**, Field of Specialization: Molecular and Integrative Physiology. Dissertation: Interplay Between Nutrition, Metabolism, and Cardiorespiratory Fitness in a Rat Model.
- Christian Anthony Flores Carreras**, Field of Specialization: Civil Engineering. Dissertation: Improving the Seismic Performance of Steel Moment Resisting Frames through Advanced Approaches.
- Aaron Michael Frutos**, Field of Specialization: Epidemiological Science. Dissertation: Pediatric Coronavirus Infection and Immunity: Common Cold Coronaviruses and SARS-CoV-2.
- Ashley Munie Gardner**, Field of Specialization: Immunology. Dissertation: Epigenetic and Environmental Regulation of Myeloid Cells during Inflammatory Demyelinating Disease.

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

Doctor of Philosophy

- Mario Andres Gaviria**, Field of Specialization: Chemistry. Dissertation: Enantioselective and Unifying Entry into Arcutane Natural Products.
- Andrew John Broadbudds Gayle**, Field of Specialization: Mechanical Engineering. Dissertation: Nanostructured Architectures for Solar Thermal and Photocatalytic Applications.
- Elsbeth Rene Geiger**, Field of Specialization: Anthropology. Dissertation: Power and Provisions in Anishinaabewaki: Re-Contextualizing Human-Environment Interactions During the Great Lakes Fur Trade.
- Elizabeth U. Gensterblum-Miller**, Field of Specialization: Cellular and Molecular Biology. Dissertation: Molecular Analysis of Recurrent Translocations in Mucoepidermoid Carcinoma.
- Mery Vet George De la Rosa**, Field of Specialization: Pharmaceutical Sciences. Dissertation: L-carnitine as a Probe to Assess Mitochondrial Drug Toxicity.
- Rohan Ghuge**, Field of Specialization: Industrial and Operations Engineering. Dissertation: The Power of Adaptivity for Decision-Making under Uncertainty.
- Isabelle Gillet**, Field of Specialization: History of Art. Dissertation: Figures of Conformity, Gestures of Distinction: Civility and Portraits of Women in France (1815-1848).
- Austin Glass**, Field of Specialization: Climate and Space Sciences and Engineering. Dissertation: Plasma Dynamics at Mercury: Characteristics of the Dayside, Nightside, and Foreshock.
- Pavel Majer Godfrey**, Field of Specialization: English Language and Literature. Dissertation: Proto-Modern Morris: Divine Possession, Inhuman Force, and Eternal Return in William Morris's Epic Poems.
- Evan Sebastian Gonzalez**, Field of Specialization: Nuclear Engineering and Radiological Sciences. Dissertation: Multi-Level Methods for Monte Carlo Reactor Kinetics.
- Michael Anthony Gonzalez**, Field of Specialization: Robotics. Dissertation: Closing the Loop: How Sensation Impacts Prosthetic Function and Control.
- Alan M. Gorchov Negron**, Field of Specialization: Atmospheric, Oceanic and Space Sciences. Dissertation: The Climate Impact of US Offshore Oil and Gas Production.
- Rachael Gordon**, Field of Specialization: Educational Studies. Dissertation: Pre-Service and Beginning In-Service Teachers' Development of Antiracist and Socially Just STEM Teaching: An Exploration of an Embedded, Extended, and Place-Based Model of Teacher Education.
- Vidushi Goyal**, Field of Specialization: Computer Science and Engineering. Dissertation: Building User-Driven Edge Devices.
- Josh Greenberg**, Field of Specialization: Economics. Dissertation: Essays on Health, Human Rights, and Social Development.
- Joseph R. Groele**, Field of Specialization: Mechanical Engineering. Dissertation: Plasma-based Decomposition of Per- and Polyfluoroalkyl Substances in Water: Plasma Source Exploration, Batch Kinetics, Effects of Water Conductivity, and an Architecture for Continuous Flow Processing.
- Kuan Han**, Field of Specialization: Electrical and Computer Engineering. Dissertation: From Brain Science to AI and Back: Using Deep Neural Networks to Represent and Decode Brain Activity Linked to Behavior.
- Nicholas George Hartman**, Field of Specialization: Biostatistics. Dissertation: Risk-Adjustment Models for Healthcare Provider Profiling.
- Mara Calypso Harwood**, Field of Specialization: Cellular and Molecular Biology. Dissertation: Human Papillomavirus Hijacks the Dual Endosome-Golgi Membrane Systems During Cell Entry.
- Kevin Patrick Thomas Haughn**, Field of Specialization: Aerospace Engineering. Dissertation: Intelligence for Morphing Aircraft.
- Michael Caleb Helton**, Field of Specialization: Applied Physics. Dissertation: Numerical Algorithms for Light Transport in Layered Turbid Media and Other Special Mathematical Functions.
- Chelsea Marie Hendrus**, Field of Specialization: Physics. Dissertation: A Polarimetry Measurement for the Nab Experiment.
- Aidan Herderschee**, Field of Specialization: Physics. Dissertation: Novel Structures in Scattering Amplitudes and Other Boundary Correlators.
- Mana Heshmati**, Field of Specialization: Business Administration. Dissertation: Essays on Cognition and Firm Performance.
- Tamarae Marie Hildebrandt**, Field of Specialization: Linguistics. Dissertation: The Relationship between Online and Offline Measures of Gradient Sentence Acceptability.
- Nadhira Yasmin Hill**, Field of Specialization: Classical Art and Archaeology. Dissertation: De-centering the Symposium: Characterizing Commensality in Late Classical Olynthos, Greece.
- Rebecca Hixon**, Field of Specialization: English Language and Literature. Dissertation: "Tell it again, but different": Gender, Race, and Adaptation in The Taming of the Shrew and Othello.
- Michael J. Hoffman**, Field of Specialization: English and Education. Dissertation: Trained to Care: The Role of Obligation in Military Experience.
- James Hotchkiss**, Field of Specialization: Mathematics. Dissertation: Hodge Theory of Twisted Derived Categories and the Period-index Problem.
- Chin-Wei Hsu**, Field of Specialization: Electrical and Computer Engineering. Dissertation: Robust Wireless Communications for Low Power Short Message Internet-of-Things Applications.
- Qiu hao Hu**, Field of Specialization: Naval Architecture and Marine Engineering. Dissertation: Model Predictive Control for Robust Power and Thermal Management of Connected and Electrified Vehicles.

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

Doctor of Philosophy

- Hsiangyu Hu**, Field of Specialization: Molecular and Cellular Pathology. Dissertation: The Role of the YEATS Epigenetic Reader in MLL-r Fusion Proteins.
- Wenkang Huang**, Field of Specialization: Mechanical Engineering. Dissertation: Investigation of Metal Mixing in Laser Keyhole Welding of Dissimilar Metals.
- Landon David Hughes**, Field of Specialization: Health Behavior And Health Education. Dissertation: Moral Panic, Backlash, and the Noxious Effects of Transphobia: Assessing the Structural Drivers of Trans Health.
- Daniel Iong**, Field of Specialization: Statistics. Dissertation: Inference Algorithms for Probabilistic Models With Applications in Epidemiology and Space Weather Forecasting.
- Gayatri Iyer**, Field of Specialization: Bioinformatics. Dissertation: Applications of Data-Driven Network Analysis in Metabolomics.
- Mason Jabbari**, Field of Specialization: English Language and Literature. Dissertation: The Poetics of Archaism: Victorian Translators of Old Norse and Persian Legends.
- Fatima Javed**, Field of Specialization: Cell and Developmental Biology. Dissertation: Role of Cytosolic Phospholipase A2 β in Neutrophil Chemotaxis.
- Kwanghui Je**, Field of Specialization: Chemical Engineering. Dissertation: Assembly Behavior and Thermodynamic Stability of Complex Colloidal Superstructures.
- Theodore Jennaro**, Field of Specialization: Clinical Pharmacy Translational Sciences. Dissertation: Identifying Altered Metabolic Signatures in Septic Shock: Steps Toward Precision Pharmacotherapy.
- Goun Ji**, Field of Specialization: Sport Management. Dissertation: Professional Sports Teams' Community Engagement during an Environmental Jolt: Shifting Activities and State Differences amid the COVID-19 Pandemic.
- Jaesung Jo**, Field of Specialization: Electrical and Computer Engineering. Dissertation: Investigation of p-type Oxide Semiconductor Thin Film Transistors for Complementary Metal Oxide Semiconductor Technologies.
- Stephanie Andrea Karol**, Field of Specialization: Public Policy and Economics. Dissertation: Three Essays on the Economics of Charity.
- Rafail Kartsioukas**, Field of Specialization: Statistics. Dissertation: Topics on Anomaly Detection, High Dimensional Testing and Spectral Inference for Functional Data.
- Spiridon Kasapis**, Field of Specialization: Naval Architecture and Marine Engineering. Dissertation: Processing Image Data from Unstructured Environments.
- Gurcharan Kaur**, Field of Specialization: Biomedical Engineering. Dissertation: Evaluation of Autoregulated RUNX2 Suppression on Mesenchymal Stem Cell-based Cartilage Regeneration in Complex Pathological Environments.
- Sean Thomas Kelly**, Field of Specialization: Mechanical Engineering. Dissertation: Data-Driven Models of Blisk Structures.
- Kamruzzaman Khan**, Field of Specialization: Materials Science and Engineering. Dissertation: Growth and Characterization of InGa_N Films by Plasma-assisted Molecular Beam Epitaxy.
- Hyeonsoo Kim**, Field of Specialization: Architecture. Dissertation: Economic Feasibility of Achieving Net-Zero Energy in Residential Buildings in the USA.
- Sung Min Kim**, Field of Specialization: Electrical and Computer Engineering. Dissertation: Exploiting Reconfiguration and Co-Design for Domain-Agnostic Hardware Acceleration.
- Stephanie Hane Kim**, Field of Specialization: Immunology. Dissertation: The Early Secretory Pathway in Immunity.
- Patrick Kinnunen**, Field of Specialization: Chemical Engineering. Dissertation: Computational and Experimental Methods for Cancer Cell Decision Making and Antibody Optimization.
- Joe Richard Klaver**, Field of Specialization: Political Science. Dissertation: Cancelled Contests: Mediating Election Disputes Through Institutions.
- Jackie M. Kleinsasser**, Field of Specialization: Earth and Environmental Sciences. Dissertation: Sulfur Content and Speciation in Dacitic Silicate Melts as a Function of Oxygen Fugacity and the Genesis of Fe-Ti Oxide-Bearing Ultramafic Intrusions of the Duluth Complex, MN.
- Luke Korley**, Field of Specialization: Physics. Dissertation: The Veto System of the LZ Dark Matter Experiment.
- Victoria Koski-Karell**, Field of Specialization: Anthropology. Dissertation: Following Water in the Wake of Cholera: Relation, Coloniality, and the Poetics of Osmosis in Haiti's Artibonite Valley.
- Prince Elfrey Kuevor**, Field of Specialization: Robotics. Dissertation: Magnetic Field Mapping for Indoor Aerial Navigation.
- Renuka Kumar**, Field of Specialization: Computer Science and Engineering. Dissertation: Exploiting App Differences for Security Analysis of Multi-Geo Mobile Ecosystems.
- Esther Ladkau**, Field of Specialization: History. Dissertation: Life, Death, and the Construction of Space on the Kamo River.
- Emily Lamond**, Field of Specialization: Greek and Roman History. Dissertation: Disability and the Ancient Roman Familia.
- Stephen Volosov Langelotti**, Field of Specialization: Nuclear Engineering and Radiological Sciences. Dissertation: Multipactor in Coaxial Transmission Lines.
- Amy Langhorst**, Field of Specialization: Materials Science and Engineering. Dissertation: Improvement of Natural Fiber Mechanical Properties for Structural Polymer Composites.

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

Doctor of Philosophy

- Jacqueline Adelaide Larouche**, Field of Specialization: Biomedical Engineering and Scientific Computing. Dissertation: Understanding and Rewriting Cellular and Molecular Programs to Restore Skeletal Muscle Homeostasis.
- Salar Latifi**, Field of Specialization: Computer Science and Engineering. Dissertation: Efficient and Dependable Deep Learning Systems.
- Christina Lee**, Field of Specialization: Biomedical Engineering. Dissertation: Assessing Movement Control, Coordination, and Performance in Upper Limb Prosthesis Users.
- Tyler Jacob Lefevre**, Field of Specialization: Chemical Biology. Dissertation: Molecular Mechanisms of G α i Signaling Selectivity.
- Stephan John Lemmer**, Field of Specialization: Robotics. Dissertation: Hazy Oracles in Deep Learning.
- Kristina Marie Lenn**, Field of Specialization: Chemistry. Dissertation: Generalized Quantum Master Equations for Simulating Electronic Dynamics in Molecular Systems.
- Boqi Li**, Field of Specialization: Mechanical Engineering. Dissertation: Modeling and Planning for Connected, Cooperative, and Automated Mobility Systems.
- Tong Li**, Field of Specialization: Mechanical Engineering. Dissertation: Miniaturized Fabry-Perot Polymer Film Ultrasound Sensor for Photoacoustic Endoscope System.
- Zidong Li**, Field of Specialization: Electrical and Computer Engineering. Dissertation: Exciton Transport Properties and Devices.
- Jay Li**, Field of Specialization: Cellular and Molecular Biology. Dissertation: Dystonia: Pathophysiology and Targeted Therapy.
- Jihun Lim**, Field of Specialization: Electrical and Computer Engineering. Dissertation: Extending the Leverage of Air-Bridge Thermophotovoltaic Architecture: Design, Modeling, and Experimental Demonstration.
- Jinsun Liu**, Field of Specialization: Robotics. Dissertation: Deterministic and Chance-Constrained Real-Time Motion Planning Using Reachability Analysis.
- Rui Liu**, Field of Specialization: Computer Science and Engineering. Dissertation: Sequential Decision Making for Large Scale Machine Learning.
- Yudan Liu**, Field of Specialization: Chemistry and Scientific Computing. Dissertation: Electronic Energy and Charge Transfer Dynamics via Quasi-Classical Methods.
- Elaine Anna Liu**, Field of Specialization: Cellular and Molecular Biology. Dissertation: Mechanisms of Neurodegeneration in Niemann-Pick Type C Disease.
- Morgan Michelle Loechli**, Field of Specialization: Applied Physics. Dissertation: Constraining Northern Carbon Fluxes with Atmospheric Carbon Dioxide Observations.
- Sheng Long**, Field of Specialization: Anthropology. Dissertation: Numbering Land: The Mathematics of Geography and Subjectivity in Agrarian Reforms.
- Charles Lu**, Field of Specialization: Biomedical Engineering. Dissertation: Precision Neuromodulation of Sensorimotor Systems.
- Eric John Madsen**, Field of Specialization: Oral Health Sciences. Dissertation: Cell and Material Specific Dual-Functional Peptides for Enhancing Mesenchymal Stem Cell Migration for Bone Tissue Engineering.
- Emily Kathryn Makowski**, Field of Specialization: Pharmaceutical Sciences. Dissertation: Multi-Objective Engineering of Therapeutic Antibodies.
- Ahmed Malik**, Field of Specialization: Neuroscience. Dissertation: Matrin 3 Regulation in Physiology and Neurodegenerative Disease.
- Emily Ashley Margolis**, Field of Specialization: Biomedical Engineering. Dissertation: Engineering Hierarchical Vasculature for Regenerative Medicine.
- Larissa Marie Markwardt**, Field of Specialization: Astronomy and Astrophysics. Dissertation: Characterizing Trojan Asteroids Throughout the Solar System.
- Jessy Darwin Martinez**, Field of Specialization: Molecular, Cellular and Developmental Biology. Dissertation: Sleep as an Essential Modulator for Plasticity and Cognition During Atypical Neurodevelopment.
- Brooke E. Mason**, Field of Specialization: Civil Engineering. Dissertation: Advancing Autonomous Green Stormwater Infrastructure.
- Mariana Masteling Pereira**, Field of Specialization: Biomedical Engineering. Dissertation: On the In Vivo Viscoelastic Properties of the Human Lower Birth Canal During the First Stage of Labor: Secondary Analysis of Data from the EASE Trial.
- Delvon Mattingly**, Field of Specialization: Epidemiological Science. Dissertation: Psychosocial Drivers of Racial/Ethnic Disparities in Tobacco and Cannabis Use Among Youth and Adults in the United States.
- Marc Randall McCann**, Field of Specialization: Clinical Pharmacy Translational Sciences. Dissertation: Determining the Mechanistic Plausibility for Acetyl-L-Carnitine as a Prognostic Biomarker in Sepsis.
- Connor Nicholas McGlothlin**, Field of Specialization: Chemical Engineering. Dissertation: Bioinspired Manufacturing: Photoinduced Self-Replication of Metal Nanoparticles in Solution and on Surfaces.
- Sean McSherry**, Field of Specialization: Chemical Engineering. Dissertation: Spectral Control of Thermal Radiation at High Temperatures and in the Near Field.
- Ashley Faith Melnick**, Field of Specialization: Cellular and Molecular Biology. Dissertation: Cdc73 Protects Notch-Induced Leukemia Cells From DNA Damage and Mitochondrial Stress.
- Nicolas Mesyngier**, Field of Specialization: Mechanical Engineering. Dissertation: Developing a Droplet-Based Phase Grating for use as a Label-Free, High-Throughput Analytical Platform.
- Tamara Farrell Milton**, Field of Specialization: Ecology and Evolutionary Biology. Dissertation: Investigating Neutral and Niche Contributions to Species Dominance and Rarity in the Amazon Basin, With a Focus on the Brazil Nut Clade (Lecythydaceae).

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

Doctor of Philosophy

- Dipika R. Mohan**, Field of Specialization: Cancer Biology. Dissertation: Aberrant Epigenetic Patterning Defines an Aggressive Molecular Subtype of Adrenocortical Carcinoma and Exposes a Tissue-Specific Therapeutic Vulnerability.
- Nima Mohseni**, Field of Specialization: Aerospace Engineering. Dissertation: Retrospective and Predictive Cost Adaptive Control of Space Systems.
- Karen Montoya**, Field of Specialization: Chemistry. Dissertation: Direct Identification and Counting of MicroRNAs in Single Cells by Transient Binding and Kinetic Fingerprinting.
- Andrew Thomas-James Moos**, Field of Specialization: English and Education. Dissertation: The Language Ideologies of White First-Year Composition Instructors: Exploring Intersections between Writing Pedagogy, Attitudes toward Language, and White Identity.
- Robert Jerome Morrissey**, Field of Specialization: History of Art. Dissertation: Chigo Icons: Representations of Sacred and Sexualized Male Youths in Medieval Japanese Buddhism.
- Kati Moug**, Field of Specialization: Industrial and Operations Engineering. Dissertation: Sequential Decision Making in Crisis: Mitigating Risk in Marginalized Communities with Stochastic Optimization.
- Molly Carter Mulcahy**, Field of Specialization: Nutritional Sciences. Dissertation: Chrononutrition and Endocrine Contributors to Gestational Glycemic Control and Infant Birth Weight.
- Negin Nadvar**, Field of Specialization: Biomedical Engineering. Dissertation: Resting-State Functional Organization of the Brain in Blindness and Sight Recovery.
- Sierra Aigné Nance**, Field of Specialization: Molecular and Integrative Physiology. Dissertation: The Role of Adipose Tissue Macrophages in Obesity-Associated Insulin Resistance.
- Ramya Naraharisetti**, Field of Specialization: Epidemiological Science. Dissertation: Data-driven Approaches to Understand the Implications of Social Processes for Infectious Disease Risk.
- Deepika Natarajan**, Field of Specialization: Computer Science and Engineering. Dissertation: Enabling Practical Deployments of Privacy-Preserving Secure Technologies.
- Simeon J. Newman**, Field of Specialization: Sociology. Dissertation: Mass Clientelism: Urban Growth and the Dialectic of Nation-Building in 20th Century Latin America.
- Natalie Ngai**, Field of Specialization: Communication. Dissertation: The Mass Seduction of Cuteness in the Past and Present: America's Sweethearts, Kawaii Girls, and Cute Cyborgs.
- Minh Hoang Nguyen**, Field of Specialization: Aerospace Engineering. Dissertation: A Novel Computational Framework for High-Fidelity Probabilistic Progressive Failure Analysis of Composite Laminates.
- Christopher Roger Nicholson**, Field of Specialization: Philosophy. Dissertation: Essays on Belief, Decision, and Learning.
- Minha Noh**, Field of Specialization: Sociology. Dissertation: Essays on Perceived Racial Discrimination among Asian Americans and the Link between Health and Residential Moves into Different Housing Tenure Among U.S. Older Adults.
- Pedro Orozco del Pino**, Field of Specialization: Biostatistics. Dissertation: Transferability of Polygenic Risk Scores Across Ancestral Populations and Data Integration Methods for Improving Prediction on Small Sample Studies.
- Zoe Roxanne Ortiz**, Field of Specialization: Classical Art and Archaeology. Dissertation: The Sculptures and Urban Landscapes of Imperial Gabii: A City in Transition.
- Daniel Felipe Otero Leon**, Field of Specialization: Industrial and Operations Engineering. Dissertation: Medical Policies in the Context of Primary Prevention for Cardiovascular Disease.
- Juan Augusto Paredes Salazar**, Field of Specialization: Aerospace Engineering. Dissertation: Adaptive Control of Self-Excited Systems with Application to a Gas Turbine Combustor.
- Won Park**, Field of Specialization: Computer Science and Engineering. Dissertation: Crafting Machine Learning Defenses against Adversaries.
- Emory Morris Payne**, Field of Specialization: Chemistry. Dissertation: Advances in Droplet Microfluidics for High-Throughput Experimentation.
- Robin Pearce**, Field of Specialization: Bioinformatics. Dissertation: Deep Learning and Physics-Based Methods for Macromolecular Structure Prediction and Design.
- Ramona Genovev Perry**, Field of Specialization: Social Work and Psychology. Dissertation: Black During COVID-19: A Mixed-Methods Exploration of Adoption of COVID-19 Risk Reduction Behaviors among Black Adults.
- Carsten Peterson**, Field of Specialization: Mathematics. Dissertation: Quantum Ergodicity on Bruhat-Tits Buildings.
- Matthew Petryk**, Field of Specialization: Nuclear Engineering and Radiological Sciences. Dissertation: Algorithms and Electronics for Processing Data from Pixelated Semiconductor Gamma-Ray Detectors.
- Chelsea Marie Phillips**, Field of Specialization: Neuroscience. Dissertation: The 20 Kilodalton Isoform of Connexin 43: A Multifaceted Contributor to Cerebral Cavernous Malformation Type 3 Pathogenesis.
- Rinav Raveendran Pillai**, Field of Specialization: Mechanical Engineering. Dissertation: Modeling and Predicting Heavy-Duty Vehicle Nitrogen Oxide Emissions Using Deep Learning.
- Alejandro Javier Pineda**, Field of Specialization: Political Science and Scientific Computing. Dissertation: Capturing Political Communication Online Using Image and Text Data: A Deep Learning Approach.
- Ghasidit Pornnoppadol**, Field of Specialization: Pharmaceutical Sciences. Dissertation: Development of a Bispecific Shuttle for Efficient and Long-Lived Brain Delivery of Antibodies.

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

Doctor of Philosophy

- Anthony Michael Provenzano**, Field of Specialization: Health Infrastructures and Learning Systems. Dissertation: Cross-Sector Care Activities and Technological Capabilities of Federally Qualified Health Centers in Michigan.
- Lisa T. Pulianmackal**, Field of Specialization: Microbiology and Immunology. Dissertation: The Role of ParA/MinD ATPases in the Spatial Regulation of Bacterial Organelles.
- Meredith Kathleen Purchal**, Field of Specialization: Chemical Biology. Dissertation: The Molecular Basis of Improbable Enzymatic Chemistries.
- Torben Lennart Purz**, Field of Specialization: Physics. Dissertation: Ultrafast Coherent Imaging Spectroscopy of Van-der-Waals Materials.
- Sinéad Gráinne Redmond**, Field of Specialization: Public Policy and Political Science. Dissertation: The Impact of the Federal Appellate Courts on State Abortion Policymaking.
- Elizabeth Ashlyn Reese**, Field of Specialization: English Language and Literature. Dissertation: Forms Less Solid: Duration and the Romantic Long Form.
- Laura I. Romaine**, Field of Specialization: English Language and Literature. Dissertation: An Asset-Based Approach to Literature and Composition Studies.
- Brittany Rupp**, Field of Specialization: Chemical Engineering. Dissertation: Isolation and Molecular Characterization of Single Circulating Tumor and Immune Cells to Examine Heterogeneity.
- Jorge Sandoval**, Field of Specialization: Chemical Biology. Dissertation: Probing the Chemical Space for Non-Promiscuous Nucleic Acid Binders.
- Tuba Sarwar**, Field of Specialization: Electrical and Computer Engineering. Dissertation: On-Chip UV/VIS Optical Spectrometer.
- Ashley Marie Schubert**, Field of Specialization: Anthropology. Dissertation: Tradition and Transformation: Mississippian Households and Communities in the Appalachian Summit, AD 1200-1600.
- Richard Edward Schutzman**, Field of Specialization: Pharmaceutical Sciences. Dissertation: Mechanistic Evaluation of Early Phases of Drug Release From Polymer Microparticles Prepared by Atomization Techniques.
- Sharmi Sen**, Field of Specialization: Anthropology. Dissertation: Dispersal and Male Reproductive Strategies in Wild Gelada (*Theropithecus Gelada*).
- Adrienne Niederriter Shami**, Field of Specialization: Human Genetics. Dissertation: Molecular and Functional Characterization of Conserved and Divergent Features of Mammalian Spermatogenesis.
- Liuxing Shen**, Field of Specialization: Physics. Dissertation: Theoretical Examination of Charge Transport Effects in Particle-In-Binder Mercuric Iodide (PIB-HgI₂) on X-ray Detector Performance.
- Yuning Shen**, Field of Specialization: Medicinal Chemistry. Dissertation: High Throughput Experimentation Facilitated Development of Amine-Acid Cross Coupling Reactions.
- Yihui Sheng**, Field of Specialization: Asian Languages and Cultures. Dissertation: "Performative Reading" and "Close Listening" in Early Modern China: Chuanqi Song-Drama as Multimedia Form, 1550-1750".
- Joshua Joseph Shepard**, Field of Specialization: Aerospace Engineering. Dissertation: Experimental Characterization of Rotating Detonation Engine Loss Mechanisms.
- Margaret Arden Showalter**, Field of Specialization: History. Dissertation: "Teach Your Children Well:" Imagining Interracial Harmony in a Post-Civil Rights Act United States, 1964-1978.
- Kevin Mendonca Silva**, Field of Specialization: Naval Architecture and Marine Engineering. Dissertation: A Computational Fluid Dynamics Driven Machine-Learning Framework for Observation and Quantification of Extreme Ship Reposes.
- Taylor Anne Sims**, Field of Specialization: History. Dissertation: Everyday Women and the English Reformation: Gender and Religion in the Diocese of Salisbury, 1450-1600.
- Anshul Singhal**, Field of Specialization: Materials Science and Engineering. Dissertation: Improved Extraction of Natural Fibers for Sustainable Polymer Composites.
- Kendon Smith**, Field of Specialization: English and Education. Dissertation: Characterizations of Readers in College Composition Courses: Language Ideologies and Inequitable Shifts in the Communicative Burden.
- Richard Edgar Smith II**, Field of Specialization: Psychology. Dissertation: Examining the Protective Role of Social Reconnection on Black People's Sense of Belonging and Mental Health Following the "Acting White" Accusation.
- Victor Sosa Alfaro**, Field of Specialization: Chemistry. Dissertation: Modification of Heme Proteins for Reactivity and Mechanistic Studies.
- Greyson Eric Stocker**, Field of Specialization: Biomedical Engineering. Dissertation: Systems and Methods for Efficient Histotripsy Volume Ablation.
- Anna Kathleen Stuhlmacher**, Field of Specialization: Electrical and Computer Engineering. Dissertation: Optimal Scheduling and Control of Uncertain Coupled Power-Water Distribution Networks.
- David Patrick Sweeney**, Field of Specialization: Climate and Space Sciences and Engineering. Dissertation: Development of Radio Science Techniques and a Planetary Mission Concept.
- Sakura Takahashi**, Field of Specialization: Social Work and Psychology. Dissertation: Emotion Regulation and Culture: The Case of Substance Use.
- James Yi Tan**, Field of Specialization: Chemical Engineering. Dissertation: Characterizing and Utilizing Droplet-enabled Co-cultivation to Elucidate Interactions in Microbiomes.
- Vi To Ba Tang**, Field of Specialization: Molecular and Integrative Physiology. Dissertation: Specificity and Functional Conservation of COPII Components.
- Gloria Elena Toriche**, Field of Specialization: Educational Studies. Dissertation: Pedagogies of The Movement: Malaquias Montoya and Chicano Public Art.

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

Doctor of Philosophy

- Rachel Torrez**, Field of Specialization: Medicinal Chemistry. Dissertation: Structural and Functional Analysis of Human Dicer.
- Christopher Tossas-Betancourt**, Field of Specialization: Biomedical Engineering. Dissertation: Computational Hemodynamic Modeling of Pediatric Cardiovascular Diseases.
- Ursula Anna Trigos-Raczowski**, Field of Specialization: Applied and Interdisciplinary Mathematics. Dissertation: Coexistence Through Life-History Variation Revisited in Tractable Models With Explicit Patch Aging And/or Size-Structure.
- Chatura Vaidya**, Field of Specialization: Ecology and Evolutionary Biology. Dissertation: Urban to Agro Ecosystems: Effects of Land Use on Pollinators and Ecosystem Services.
- Andrew Luke Valesano**, Field of Specialization: Cellular and Molecular Biology. Dissertation: Using Intrahost Genetic Diversity to Understand Rna Virus Evolution and Transmission.
- Sarah Van Cleve**, Field of Specialization: English Language and Literature. Dissertation: Misreading Maps: Maps and the British Novel in the Age of the Ordnance Survey.
- Matthew Campbell Vedrin**, Field of Specialization: Environmental Engineering. Dissertation: Investigating Full-Scale Distribution System Flushing Practices for Better Drinking Water Quality Management.
- Alejandro Vigo Camargo**, Field of Specialization: Industrial and Operations Engineering. Dissertation: Quantitative Models for Managing Multi-Node Store Replenishment Logistics in the Fast-Food Supply Chain.
- Emily Hong-Nhi Vu**, Field of Specialization: Nuclear Engineering and Radiological Sciences. Dissertation: A Condensed History Model for Photon-Electron Transport in Binary Markovian-Mixed Media.
- Nicky Wakim**, Field of Specialization: Biostatistics. Dissertation: Methods for Summarizing and Imputing High-Frequency Digital Biomarkers in the Context of Longitudinal Data Analysis.
- Logan Alexander Walker**, Field of Specialization: Biophysics. Dissertation: A Microscopy and Bioinformatics Toolkit for High-Throughput Connectomics Studies.
- Xinpeng Wang**, Field of Specialization: Mechanical Engineering. Dissertation: Scenario-based Safety Evaluation of Highly Automated Vehicles.
- Jessica Jo Waninger**, Field of Specialization: Cellular and Molecular Biology. Dissertation: Targeting RAS and EGFR Driven Cancers.
- Valerie Nicole Washington**, Field of Specialization: Industrial and Operations Engineering. Dissertation: Examining the Influence of Natural Hazards on Human Behavior.
- Kathryn Amanda Wataha**, Field of Specialization: History. Dissertation: The Inaudible Sounds of Science: Animals and Media from the Galton Whistle to Bat Echolocation.
- Field Watts**, Field of Specialization: Chemistry. Dissertation: Investigating Instructional Strategies To Support and Elicit Organic Chemistry Students' Reasoning.
- Nicholas Graham Wawrykow**, Field of Specialization: Mathematics. Dissertation: Higher Order Representation Stability and Disk Configuration Spaces.
- Kristina Weaver**, Field of Specialization: Molecular and Integrative Physiology. Dissertation: From Food to Phenotype: How Hungry Flies Eat and Age.
- Chris R. Wentland**, Field of Specialization: Aerospace Engineering. Dissertation: Robust and Scalable Projection-based Reduced-order Models for Simulations of Reacting Flows.
- Mathew Whittlesey**, Field of Specialization: Electrical and Computer Engineering. Dissertation: Advanced Techniques for Spectral and Temporal Ultrashort Pulse Synthesis in Coherent Pulse Stacking Amplification.
- Andrew Ross Willmer**, Field of Specialization: Pharmaceuticals. Dissertation: Impacts of the Immune System on Small Molecule Pharmacokinetics.
- Jesse William Wotring**, Field of Specialization: Medicinal Chemistry. Dissertation: Rapidly Translational Drug Discovery Using High Content Imaging: Applications to Non-Alcoholic Fatty Liver Disease and the COVID-19 Pandemic.
- Neil Wu**, Field of Specialization: Aerospace Engineering. Dissertation: Practical Appropriate Fidelity Optimization for Large-scale Multidisciplinary Aircraft Design.
- Nadab Habtamu Wubshet**, Field of Specialization: Mechanical Engineering. Dissertation: Mechanophenotyping Actin Networks in Minimal Cell Models.
- Zhen Xu**, Field of Specialization: Electrical and Computer Engineering. Dissertation: Ultrafast Charge Separation and Relaxation in Novel Nanostructures.
- Yishu Xu**, Field of Specialization: Chemistry. Dissertation: Boron-Catalyzed Regio- and Stereoselective Glycosylation via Fluoride Migration.
- Dongxiao Yan**, Field of Specialization: Electrical and Computer Engineering. Dissertation: Flexible Neural Interfaces: Reconfigurable Multimodal Origami Probe and Microneedle Electrode Array.
- Shen Yan**, Field of Specialization: Mechanical Engineering. Dissertation: Exploring Nanoscale Energy Transport and Conversion with Advanced Scanning Probe Microscopy.
- Benjamin Albert Yang**, Field of Specialization: Biomedical Engineering and Scientific Computing. Dissertation: Towards Defining Principles of Cell Fate Plasticity.
- Kelly Zhu Young**, Field of Specialization: Molecular and Integrative Physiology. Dissertation: NOTCH3 Protein Processing and Aggregation in Inherited Cerebral Small Vessel Disease.
- Shuzhou Zhang**, Field of Specialization: Physics. Dissertation: Observation of Electroweak VBS ZZ Production and Search for New Gauge boson Z' in four-lepton Final State with the ATLAS Experiment.

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

Doctor of Philosophy

Boya Zhang, Field of Specialization: Epidemiological Science. Dissertation: The Association of Long-term Air Pollution with Incident Dementia and Loss of Independence in Late Life.

Shiyu Zhang, Field of Specialization: Survey and Data Science. Dissertation: Combining Adaptive Survey Design with Post-Survey Weighting Adjustment.

Xiangyu Zhao, Field of Specialization: Electrical and Computer Engineering. Dissertation: Monolithic Microscale Gas Chromatographs with Integrated Gas Pumps.

Xiaoyang Zhong, Field of Specialization: Materials Science and Engineering. Dissertation: Mechanistic Studies into Interfacial Interactions via Chemical Vapor Deposition Polymerization.

Wenbo Zhou, Field of Specialization: Civil Engineering. Dissertation: Vegetation Distribution and Biophysics, Permafrost, and Feedback Mechanisms to Arctic Change.

Bradley Zykoski, Field of Specialization: Mathematics. Dissertation: A Polytopal Decomposition of Strata of Translation Surfaces.

Certificate of Graduate Studies

Computational Discovery and Engineering

Tse-Shao Chang
Nicholas Joseph Galioto
Tryaksh Gupta

A. Westley McMillan
Seonho Woo

Extended Reality

Zelda Hu
Zejun Wu

Survey and Data Science

Ying He
Suzy Bernice McTaggart

Master of Science

Chemical Biology

Jiying Liu
Junyao Ma
Miguel Angel Nieves Santiago
Merlinda-Loraine Deladem Sewavi
Thaarini Swaminathan
Rebecca Suzanne Taylor
Jessica Grace Thomashow
Katherine Rose Wormmeester

Survey and Data Science

Michael Traimaine Glasper, Jr.
Liqi Hu
Anqi Liu
Mark G. Nathin
Aaron Norman Nesbitt
Junhui Qian
Huaman Sun
Jiangxue Wang

Xinran Wang
Weining Xu
Jiazhi Yang
Yang Yu
Chuzhu Zhong

COLLEGE OF LITERATURE, SCIENCE, AND THE ARTS

Founded in 1841, Anne Curzan, Dean

Certificate of Graduate Studies

Complex Systems

Brian Geiringer
Daniel Paul Maes

Critical Translation Studies

Jamie Clegg

Film, Television and Media

Duygu Ergun

German Studies

Duygu Ergun

Lesbian/Gay/Bisexual/ Transgender Queer Studies

Isaac Bradley Wittenberg

Medieval and Early Modern Studies

Maia Farrar

Museum Studies

Mia Ines Glionna
Taylor Renae West

Science, Technology, and Society

Victoria Koski-Karell
Kathryn Amanda Wataha

Women's and Gender Studies

Yifan Pei

Women's Studies

Rebecca Hixon

World Performance Studies

Nolan Scott Ehlers
Rebecca Hixon
Godfrey Lubuulwa
Marsae Lynette Mitchell
Leela Chaya Riesz
Njeri Rutherford

Master of Arts

Anthropology

Zhaneta Gjyshja
Nesrien Hamid
Georgia Elizabeth Oppenheim
Leela Chaya Riesz

Applied Economics

Amlak Abdulaziz A. Almutairi
Jyoti D. Bodas
Qiyuan Chen
Tianyi Chi
Kittikun Chumworathayee
Xiangyun Deng
Yihan Jia
Cheng-Yu Ko
Kori Lu
Jing Pan
Apichaya Phooosa
Wildan Noor Ramadhan
Shubhangi Singh
Maximilian Timothy Tutuarima
Haocheng Wang
Kangpu Yan
Ivana Zhao
Zeqing Zhou

Arabic Studies

Waleed Aljadhie
Ibrahim Abidelmhusen Khalaylih
David Joseph Telman

Classical Studies-Latin

Adam Grant
Zoe Roxanne Ortiz
Wares Abdul Salehzai

Economics

Harry John Kleyer
Hedieh Rashidi Ranjbar
Triana Andrea Yentzen

English Language and Literature

Jeremy Lynn Glover
LaTara McLemore
Emma K. Soberano

History

Timnet Tesfu Gedar

History of Art

Allison Melissa Grenda
Rosa Glaessner Novak
Sarah Hsu Tsung

Interdisciplinary Program in Transcultural Studies

Dyanna Bateman
Margaret Rose Burmeister
Charlotte Sahr

International and Regional Studies

Basmah Arshad
Nahom Benyam
Chase Broward Young Boyer

Joseph William Cacesse
Tianhe Chen
Tyler Rongxuan Chen
Ernesta Esther Cole
Hanyu Du
Islam Jaffal
Ethan Jacob Pitaccio Lyman
Elijah Parpulis Madukuli
Omar Masood
Gwen McCaw
Christian Renae OKeefe
Sofia Reed
Max Shpilband
Andrew Watson
Isaac Bradley Wittenberg
Hongyu Yu

Philosophy

Mica Rapstine
Julian O'Neil Rome

Political Science

Benjamin Perloff Lempert

Sociology

Kate Castle
Jane Luise Furey
Cynthia Magallanes-Gonzalez

Statistics

Ziyuan Chen
Roman Daniel Kouznetsov
Jinming Li

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Master of Fine Arts

Creative Writing

Sara Nizar Abou Rashed
Ebenezer Nzube Agu
Tamar Ashdot
Zoë Carpenter
Sean Julia Civalé

Maia Cecilia Elsner
Brian Gyamfi
Amanda Eve Hayes
Marne J. Litfin
Kabelo Sandile Sindiswa Motsoeneng
Gwendolene Tendai Kudakwashe

Mugodi
Joshua Darren Olivier
Armiya S. Shaikh
Anna Noyes Slade Widdowson
Yueyi Zhao

Master of Science

Applied and Interdisciplinary Mathematics

Bernardo Bianco Prado
Samuel Boardman
Julia Rose Chahine
Saida Fatema
Som Sadashiv Phene
Shivani Prabala

Shuyan Li
Zeyuan Li
Haodong Liang
Yeming Lin
Eric Liu
Junqian Liu
Ruoyang Liu
Xinyi Liu
Marley Lund
Yoshiki Masuda
Brendan Connor Matthys
Shreya Sharadkumar Mittal
Nishka Kashyap Muzumdar
Chalida Naiyaporn
Simon Dovan Nguyen
Shubham Kumar Pandey
Lu Qin
Abigail Lillian Seeger
Falak Dharmesh Shah
Ziyan Shi

Enzhi Zhang
Wenbo Zhang
Yiyang Zhang
Yuanbo Zhang
Zhiqi Zhou
Jiaqi Zhu
Heather Marie Zimmerman

Applied Physics

Salvatore Stanislaw Baldinucci
Tayari Le Roy Coleman
Kaila Grace Jenkins

Aayushi Sinha
Chittaranjan Velambur Rajan
Bradley Maxwell Velasquez
Dingyu Wang
Haocheng Wang
Jianfei Wang
Mallory Wang
Tunan Wang
Xuechun Wang
Zehao Wang
Vivian Qian Yu Wong
Tong Wu
Tianyi Xu
Yan Xu
Xinwei Xue
Shivam Yadav
Yukiko Yamazaki
Alp Dogan Yel
Yi-Syuan Yen
Jinzhao Yu
Oliver Zay
Jiale Zha

Astronomy and Astrophysics

Bill Chen

Chemistry

Ian Bain
Madeline Elise Clough
Emily June Costa
Soumik Das
Emerson Beaubien Ducasse
Brooke Sarah Dunnery
Jennalise Kate Ellis
Najae Escoffery
Benjamin Michael Farris
Zahra Asif Gandhi
Michael Richard Gatazka
Travis Allen Hammerstad
Rahul Kant Jha
Yin-Jia Jhang
Callie Rose Jones
Katie Kolozsvari
Brandon LeBlanc
Al Vicente Riano Lisboa
Shelby Taylor Noel Nicolau
Yaxin Ouyang
Hannah Palomino
Kagiso Sebetela
Zezhong Wan
Hongdi Wu

Applied Statistics

Mengtong Ai
Ziying An
Peiyao Cai
Huei-Ya Chang
Yurui Chang
Guixian Chen
Nianlin Chen
Panxi Chen
Tiejun Chen
Tiening Chen
Xiatian Chen
Chaoyu Ding
Yuteng Feng
Ziyi Gao
Marcia Hawkins-Day
Mingzhu He
Abner Heredia Bustos
Qikai Hu
Yifan Hu
Yumiao Hui
Kathy Huo
Michael Dale Hymowitz
Haichao Ji
Jinhuan Ke
Noah Sebastian Kochanski
Myung Jin Lee
Alexander Tom Lerman
Jifan Li

COLLEGE OF LITERATURE, SCIENCE, AND THE ARTS

Master of Science

Data Science

Mohamed R5dha Abed Banoon
Saurabh Budholiya
Joshua Chang
Hang Chen
Shivani Sujeet Deshpande
Ximena Elizondo
Xiying Gao
Chien Kun Huang
Hsuan-Hsueh Huang
Yeeun Jang
Zoe Kim
Xinyue Li
Xinfeng Liu
Jordan Majoros
Jiangyue Mao
Zeren Peng
Anuraag Ramesh
Matthew Ryan Schneider
Arlena Michelle Tolmasoff
Stephen R. Toner
Youngjun Woo
Bokai Xu
Tianliang Xu
Yuqi Yan
Tianyi Zhang
Xi Zheng
Mengtian Zhou

Earth and Environmental Sciences

Leonardo van der Laat Muñoz

Ecology and Evolutionary Biology

Darene Alaa Eldin Assadia
Yuxuan Chen
Cheyenne Raejene Graham
Sorrel Hartford
Alice Rose Hill
Zulay Caridad Rodriguez

Mathematics

Peiyao Cai
Zach M. Deiman
Chinmaya Kausik
Max Lahn
Zhengjun Liang
Andres Alfredo Martinez Servellon
Yidi Miao
Aditya Varma Muppala
Haoming Shen
Mia Catherine Smith
Teresa Yu

Molecular, Cellular and Developmental Biology

Christopher Stephen Kennedy
Delaney Jaye McKinstry
Corey Joe Stewart

Physics

Thomas Ruch
Yuan Zhu

Psychology

Alaa Mohammad Al-Kahalalah
Jasmine Banks

Eden Harrison
Danni Hayes
Sunghyun Hannah Hong
Eric Martell
Stephanie Miller-Tejada
Shi Xin Ooi
Ramona Genovev Perry
Katherine Ross
Julia Esther Smoot
Carlos Vivaldo
Logan Alexander Walls

Quantitative Finance and Risk Management

Qingxin Cai
Zihan Guo
Ruolan He
Yicheng Jin
Marina Korovkina
Jieming Li
Jack Shan
Renjie Shao
Jihang Tang
Zihao Wang
Changlin Wu
Yifei Xiang
Yijiang Yan
Haotian Yang
Yifan Yang
Weizi Zeng
Yiyang Zhang

MEDICAL SCHOOL

Founded in 1850, Marschall S. Runge, Dean

Certificate of Graduate Studies

Computational Neuroscience

Ezra Simon Altabet
Megha Ghosh
Negin Nadvar

Precision Health

Pratap Gude
Reema Hamasha
Shreya Kapoor

MEDICAL SCHOOL

Master of Science

Bioinformatics

Shriya Bajagur
Ciao-Sin Chelsea Chen
Johanna Fleischman
Elizabeth U. Gensterblum-Miller
Sejal Vedula Grace Gunaratnam
Jonathan Joseph Herrera
Allister Zi-Kiu Ho
Hsiangyu Hu
Theodore Jennaro
Matthew Pun
Julia Marika Rosander
Brittany Rupp
Logan Alexander Walker
Ming-Ching Crystal Wen
Lily Tamara Wink
Lishi Yin
Meiling Zhao
Shengchao Zhao

Biological Chemistry

Evan J. Arnold
Nicholas John Bockhaus
Sydney Michelle Brender

Payton Matthew Dunning
Sabrina Fluharty
Anthony Frasier
Jiawen Jiang
Houde Li
Kunlin Li
Ryan W. McMullen
Shannon Lynn Stein
Yahui Yang
Sarah S. Yoon

Cancer Biology

Amanda Pacheco

Genetic Counseling

Nicole D. Cho
Charles Patrick Deluca
Lara Grether
Leah C. Hardy
Braeden Hughes
Blake Lee Summers

Health and Health Care Research

Joseph Nabil Fahmy
Kassem Faraj
Whitney Fu
Elizabeth Munroe
Jordan K. Schaefer
Rishi Robert Sekar

Health Infrastructures and Learning Systems

Allison Carrie Brenner
Chris Cherubino

Human Genetics

Dan Liviu Ciotlos
Audrey Lynn Widner

Microbiology and Immunology

Junha Lee
Rootjikarn Moonrinta
Erik Andrew Pedersen

Pharmacology

Ian Sheldon Levine
Alexander Jefferson Powell

SCHOOL OF DENTISTRY

Founded in 1875, Jan Hu, Interim Dean

Master of Science

Oral Health Sciences

Tasneem Mohamed Adam Ali
Tracy Renee Coleman
Nour El Yaman

Ryan Matthew Koa
Deloshene Krithikaa Sittambalam

Pediatric Dentistry

Richa Bhatia
Kaanti Sree Gowru
Carla Imani Jones

COLLEGE OF PHARMACY

Founded in 1876, Vicki Ellingrod, Dean

Master of Science

Integrated Pharmaceutical Sciences

Kai-Neng Chou

Medicinal Chemistry

Adam Lawrence Ard

Pharmaceutical Sciences

Shuying Wang
Tao Zheng

GERALD R. FORD SCHOOL OF PUBLIC POLICY

Founded in 1914, Celeste Watkins-Hayes, Interim Dean

Certificate of Graduate Studies

Science, Technology and Public Policy

Carmen Juliet Altes
Christina Del Greco
Ariel S. Freed
Jonathan Dan Garon

Austin Glass
Sagarika Kaushik
Kelsey Kochan
John Calvin McClure
Ruby May Miller

Carlos Jamal Owens
Meghna Patnaik
Jacob Reiss
Meg Taylor
Alejandro Vigo Camargo

Master of Public Affairs

Public Affairs

Mohamed Ayoub
Mallak Nazih Beydoun
Brian Andrew Dorskocil

Erin East
Katie Jones
Benjamin Asher Kellman

Su Sandy
Johanna Youngmans
Paul Yuergens

Master of Public Policy

Public Policy

Carmen Juliet Altes
Naira Amin
Radhika Arora
Huda A. Bashir
Heather Berg
Stefan Herrmann Binion
Cara Bradley
Alayna S. Brasch
Ellis Craven Brewer
Alexia Carrillo Villalobos
Katelyn Catino
Sharon Ceron Espinosa
Maya R. Corrin
Dominic Anthony Coschino
Stephen Andrew Culbertson
Eleni Hope Daughters
Elena Davert
Krysta December
Samir Satish Deshpande
Sarah DeStefano
Justine D'Souza
Ariel S. Freed
Maria Alejandra Fuentes Diestra
Jonathan Dan Garon
Donovan Lamont Gayles
Chelsea Elaine Gaylord
Yan Ge
Sarah Jane Godek
Nomindari Gousakoff
Lukas Hagen
Kaniz Farwa Haider
Michael Hauser

Ying He
Fredrick Roy Hernandez
Tyler Douglas Herr
Timothy Paul Hilton
Yi-Chia Hwang
Christian Ilaraza Colon
Abigail Michelle Johnson
Ellie Jorling
Dianne Kaiyoorawongs
Lindsay Keare
Anna Noel Kelly
Haley Kennedy
Alexis Tolliver Kenworthy
Md Mesbah Uddin Khan
Daly Rosemary Kleaveland
Steve Knutson
Caroline Grace Lamb
Rawan Ajaz Latif
Trevor Leatzow
Tyler David Leighton
Benjamin Gordon Levine
Jessica Liang
Young Chan Lim
Miguel Ángel López
Luiza Alves Macedo
Kyra Martin
Omar Masood
Laura Meyer
Elina Morrison
Akiho Nagano
Christian Harold Neubacher
Katina Elizabeth Norwood
Kelly May O'Laughlin

Terri N. O'Neal
Hannah Jane Orban
Adam M. Payter
Idalys Vanessa Perez
Piyaboon Petchaboon
Elizabeth Powers
Marco Cirilo Ramirez
Mustafa A. Rasheed
Kielan Walker Rathjen
Anna Marguerite Rymill
Kimberly Guadalupe Sanchez
Escalante
Mack Abraham Chapman Schroeder
Anna Seifert
Caoyang Shen
Max Shpilband
Ariella Hope Stafanson
Tim Stark
Margarethe Anna Steinhaus
Samuel Hoff Stragand
Ryan C. Swick
Boratha Tan
Ethan Taylor
Brynna Thigpen
Marissa Uchimura
Sarah Marie Wagner
Danielle Jean Wallick
Margaret Walthall
Kaiyun Wang
Amy Jean Weber
Louisa Woodhouse
Karina J. Z. McLean

COLLEGE OF ENGINEERING

Founded in 1915, Alec D. Gallimore, Robert J. Vlasic Dean of Engineering

Certificate of Graduate Studies

Climate Change Solutions

Timothy D. Arvan

Data Science

Timothy Breckwoldt

Gongyu Chen

Judy Chen

Tianyi Chi

Zihao Cui

Kennedy Edwina DuBose

Jamie Ferris

Jie He

Safa Jabri

Yicheng Jin

Gurleen Kaur

Yena Kim

Ziheng Liang

Jiawei Liu

Irene Sophia Morse

Idalys Vanessa Perez

Makayla Roma

Yao Tong

Ranjitha Uppala

Seonho Woo

Tong Wu

Jie Yan

Master of Science

Biomedical Engineering

Obada Albaghdadi

Jack Ryan Andrews

Amanda Ayriess

Layla Berry

Gabrielle Marie Blevins

Shao-Chi Chen

Jake Andrew DeMeulemeester

Dina Dragoljic

Yu-Chi Huang

Shivangi Kewalramani

Po-Chun Lin

Ruchika Nalabotala

Ryan Seth Schildcrout

Anjali Shankar

Benjamin William Skubi

Sumukh Pramodan Marathe

Luoxi Meng

Isaac Moothart

Therese Nkeng

Yifan Pei

Joseph Robert Plata

Aniruddh N. Rao

Siqi Shao

Sahil Surapaneni

Priya Thanneermalai

Wesley Jesse Tsai

Jiamu Wang

William Jialian Wang

Zilin Wang

Andrew Chao Yang Wei

Zewen Wu

Qinjuan Xie

Fangyuan Yang

Ying Yuan

Yixin Zhang

Yuntao Zhang

Getchen Zheng

Zhen Zhong

Junwei Zhou

Tao Zhou

Charles Beechner Ziegenbein, Jr.

Huiruo Zou

Bernardo Bianco Prado

Shariq Syed Bokhari

James Daniel Brisson

Joshua Jerome Brooks

Zeqian Cai

Junyi Cao

David W. Caruthers

Boxuan Chang

Chuoqi Chen

Fengkai Chen

Kuan-Ting Chen

Qianyi Chen

Tianfeng Chen

Zhiyang Chen

Jerry Cheng

Soonhyeong Choi

Veronica Contreras

Zilong Deng

Devika Deshpande

Evangelos Dikopoulos

Haolin Dong

Naren Doraiswamy

Yuan Du

Xavier Farrell

Chao Feng

Jiahao Fu

Yu Gan

Girish Chandar Ganesan

Jinyi Gao

Yuhao Gao

Marcella Alessandra Gatti

Zetong Guan

Yifu Guo

Aditya Vikram Gupta

Shashank Gupta

Josey Kathleen Hanish

Climate and Space Sciences and Engineering

John Joseph DelPizzo

Changkun Li

Onyinye Gift Nwankwo

Brooke Catherine Odstrchel

Erica Whiting

Computer Science and Engineering

Ved Purushottam Abhyankar

Shu-Kai Chan

Jae-Won Chung

Zekai Fan

Brent Daniel George

Thomas Joseph Gregart

Musa Haydar

Byungjin Kim

Eric Landgraf

Justin Li

Wanqi Liang

Xinyi Liu

Leheng Lu

Design Science

Uthman Olagoke

Gabrielle A. Swider

Peter Joseph Wacnik

Lauren Rose Wojciechowski

Electrical and Computer Engineering

Anirudh Ashok Aatresh

Samriddhi Agarwal

Yuantao Bai

Mario D. Balcázar Muñoz-Reyes

COLLEGE OF ENGINEERING

Master of Science

Electrical and Computer Engineering

Xingyi He	Jiani Luo	Yu-Fan Teng
Yuheng He	Yiming Luo	Divyang Narendrakumar Thakkar
Peter Douglas Hevrdejs	Changyuan Lyu	Shivangi Thavarool Puthiyedath
Yi-Ting Hsiao	Moyan Lyu	Prathyakshaa Thothala Prabhakar
Mingtao Hu	Jinge Ma	Abitha Kuchambal Thyagarajan
Xiao Hu	Rakesh Chowdary Machineni	Yichao Tian
You Hu	Alin N. Macwan	Arthur Tsai
Jeffrey Huang	Ryan Henry Marten	Xun Tu
Kezhen Huang	Allanah Matthews	Alan John Van Omen
Yuang Huang	Yuhang Mei	Angela S. Wang
Jui Po Hung	Ashutosh Mishra	Baiyue Wang
Sadaf Inamdar	Roshini Muralidhar	Justin Wang
Yu-Min Jian	Rishhabh Naik	Li-Heng Wang
Tianhao Jiang	Pardha Sourya Nayani	Shanzhao Wang
Yuzhan Jiang	Jiayun Ni	Shenyi Wang
Gracie Judge	Xuan Ni	Sirui Wang
Venkata Ganesh Kalivarapu	Sehong Oh	Suyuan Wang
Devishi Suresh Kambiranda	Mohit Yogesh Padhye	Yihan Wang
Jiwon Kim	Ram Padmanabhan	Yu Wang
Jong Kyoong Kim	Jianhan Pan	Yuxin Wang
Sachit Krishnan	Liyang Pan	Zisu Wang
Hiranmayee Krishnaswamy	Zhaoying Pan	Ziyan Wang
Bharadwaj	Manikandan Pandiyan	Sihang Wei
Kai-Cheng Ku	Jeongsoo Park	Chengyu Wu
Yunrui Lai	Dhruv Rajendra Parmar	Pei-Yun Wu
Audrey Lee	Harshang Jayantibhai Patel	Yuting Wu
Chun-Hsueh Lee	Atharv Amar Pawar	Zheyuan Wu
Leo W. Lee	Yixuan Peng	Yuanzhi Xiong
Wonjae Lee	Harshit Potu	Jiayao Yang
Huashu Li	Aathira Prasad	Pengyu Yang
Mengwei Li	Luyang Qiu	Shuqi Yang
Mingcheng Li	Priyadharshini Rajasekar	Yifan Yang
Mingjie Li	Shrutija Ranganathan	Zhewei Ye
Ruohong Li	Vibhuti Ravi	Hao Yu
Ting Wei Li	Renee Patricia Rodgers	Hongze Yu
Wengxi Li	Kamal Rudra	Shiqi Yu
Yilin Li	Manu Kumar Saini	Yuan Yu
Yiming Li	Javier Antonio Salazar Cavazos	Hao Yuan
Yunzhong Li	Bhavya Sekhani	Xueming Yun
Yuan-Ting Liao	Ken Shao	Tuohang Zeng
Cheng-Ping Lin	Shihao Shao	An Zhang
Wei-Chen Lin	Maithili Jagadishchandra Shetty	Ge Zhang
Jinjie Liu	Chengyu Shi	Jiahao Zhang
Jinze Liu	Congni Shi	Jianing Zhang
Xingyu Liu	Yechen Shi	Jiefu Zhang
Xinyi Liu	Piyush Singh	Peiqing Zhang
Zhenhao Liu	Ananya Singhal	Yuxuan Zhang
Zhong Liu	Anjali Devi Sivakumar	Zhenduo Zhang
Ziyi Liu	Kevin So	Ziyi Zhang
Hongru Lu	Jayanth Srinivasan Prabakaran	Yidong Zhen
Yang Lu	Yumai Sun	Hairong Zheng
	Anyu Svintsitski	Yuanbin Zhu
	Mu-Jay Tai	

COLLEGE OF ENGINEERING

Master of Science

Industrial and Operations Engineering

Yi-An Chu
Devon Comeau
Xiangyun Deng
Jacqueline Marie Hannan
Guangran Li
William Hongquan Li
Tong Lin
Zhuanghao Lin
Yidi Miao
Emily Hannah Nakisher
Jing Tian
Ping Yan
Ivana Zhao

Macromolecular Science and Engineering

Trace T. Johnson
Jian Lin

Naval Architecture and Marine Engineering

Mitchell David Levi
Henry Eaton Valachovic

Robotics

Varun Aggarwal
Rahul Kumar Agrawal
Ezra Simon Altabet
Brandon Kiwon Cortez Apodaca
Onur Bagoren

Nicole Campbell
Theodor Chakhachiro
Rui Chen
Christopher Michael Comeau
Marcela Simone Thanh Phuong De
los Rios
Min Deng
Nikhil Devraj
Nithin Donepudi
Hendrik Maximilian Dreger
Challen Enniful Adu
Emma Asta Faulhaber
Ryan Feng
Derek Manuel Fermin Olivares
Paul Flanigen
Joshua Friesen
Yuewei Fu
Xiang Gao
Gitesh Sambhaji Gunjal
Xuanlang Huang
Vivek Kumar Jaiswal
Harsh Manoj Jhaveri
Ishank Juneja
Vishrut Kaushik
Cameron Elias Kisailus
Yi-Cheng Lai
Duong Quang Le
Kuan-Ting Lee
Ryan D. Lewis
Adam Cheng Li

Shunzhang Li
Gregor Nelson Limstrom
Ping-Hua Lin
Xiaofeng Lin
Yating Lin
Dingqian Liu
Wuao Liu
Dhiraj Maji
Aditya Srinivas Manohar
Niyanta Mehra
Peter Mnev
Daksh Narang
Shreya Phirke
Vatsala Prasad
Emma Caroline Reznick
Joshua Paul Roney
Advaith Venkatramanan Sethuraman
Kavan Nishith Shah
Hyun Seok Shin
Yichen Song
Rahul Srinivasan
Jin Suh
Xiaoyu Sun
Faris Tulbah
Srikar Varaganti
Dylan Michael Wallace
Xinyu Wang
Stephenie Lynn Worthy
Goro Yeh
Wan-Yi Yu

Master of Science in Engineering

Aerospace Engineering

Christopher Ze-Hao An
Taylor Andrews
Austin Thomas Barthelme
Tyler Maurice Bartlett
Levi Eugene Bischer
Yan Borden
Joseph Michael Delaney
Eric Paul Doberstein
Deniz Dost
Jacob Isaac Efrusy
Megan Ruth Ennis
Faiz Fateh
Alex Feleo
Emilio Enrique Flores
Chris Christopher Forchhammer
Diego Fung

Nicholas Joseph Galioto
Thomas Andrew Greenwald, Jr.
Emily Grim
Forster L. Guo
Parker Karrington Haller
Eric Omar Hersey
Camber Hortop
Filip Jackowski
Munseok Paul Jeong
Donovan Jewell
Jacob P. Kaspriak
Hyung Jun Kim
Preston Kyong Hyun Kim
Brandon Kirk
Chun-Wei Kong
Alexander Kryuchkov
Yethinder Ragav Lakshmi kumar

Erin Mckenzie Levesque
Chuan Yuan Lim
Hsin-Yi Liu
Matthew Qing Liu
Sai Satya Charan Malladi
Luke William McFarling
Carleen Alexandra McKenna
J  r  mie M  d   Moussa
Ashray Mohit
Sanjan Channamallayya
Muchandimath
Madhavan Murali
Noah Jonathan Nelles
Federico Orrego M  ndez
Bernardo Pacini
David Pan
Rajvi Mahendrabhai Patel

COLLEGE OF ENGINEERING

Master of Science in Engineering

Aerospace Engineering

Malhar Dineshkumar Prajapati
Nikhil Punshi
Raghava Ravi
Austin George Ryan
Shawn Patrick Schoen, Jr.
Simone Semeraro
Konrad Victor Shire
Srihari Sundar
Yousif W. Taher
Edward Tang
Jiasheng Tang
Joseph W. Taylor
Jacob Charles Vander Schaaf
Raphael Vicol
Derek John Willis
Alexander Ethan Wittbrodt
Jake Yeaman
Shuan-Tai Yeh
Jay Jiahui Zhao
Steven Zhao

Biomedical Engineering

Melissa Ann Beyrand
Noah Martinez Blase
Wes W. Cummings
Elizabeth Marie Dulzo
Isabel Marie Dziuba
Hanin Elhagehassan
Brandon Hardy
Felicia Estefana Hinojosa
Sydney Alicia Jones
Jordan Lauri Kamen
Naomi Claire Kantor
Hanna Hayung Kim
Jacob Daniel King
Samantha Lewis
Yvonne Lin
Timon Lwo
Dalia S. Marakby
Nikhil S. Mukkamala
Samuel Eunjun Oh
Jordan M. Olszewski
Rebecca Sage Pereles
Ethan Poupard
Hasan Ali Sawan
Nicholas Robert Stec
Laura Aileen Williams
Kade Ethan Wong

Chemical Engineering

Mohammad Asadi Tokmedash
Bryan Coleman
Yoel Frederick
Schuyler Casey Yi-Lung Knapp
Matthew Manion
Emily McCorkle
Andres Miranda Manon
Syahidah Mohd Khairi
Sungwan Park
Gopal Parthasarathy
Selina Wang

Civil Engineering

Joseph Raffaele Blum
Kelsey Reid Boldiszar
Melanie Campozano
Marjorie Anne Dean
Donté Malik Harris
Michael Timothy Karl Heinrich
Thomas Michael McKenzie
Kirill Mojeluk
Alexandra Pollack
Ariel Roy
Callie Leann Singer
Boqi Tian
Minsen Yuan
Mackenzie Anne Zabel
Grace Joana Zalubas
Zhaoming Zeng
Yifan Zhu

Computer Science and Engineering

Kyle Marie Astroth
Lance Patrick Bassett
Thomas D. Brady
Ethan Douglas Chen
Qingyi Chen
Yu-Ju Chen
Yatharth Chhabra
Braden Lucas Crimmins
Samuel Ruben Gonzalez
Yile Gu
Lingxiao Guan
Carson Hoffman
Yihao Huang
Do Yoon Kim
Samuel Benjamin Korman
Ryan Matthew Krawec
Saumit Kukkadapu
Yung-Wen Lan

Alex Li
Yatian Liu
Viraj Kumar Lunani
Sunny Nayak
Qiping Pan
Dinghao Shen
Zhuowen Shen
Tan Tao
David Wang
Kevin Wang
Xilin Wang
James Weng
Hyunjae Woo
Ralph Augustus Worthington
Xueming Xu
Kevin Yan
Tianchi Zhang
Zheyu Zhang
Cheng Zhou
Yuanli Zhu

Construction Engineering and Management

Sijia Li
Xiao Yu

Electrical and Computer Engineering

David Paimpallil Abraham
Faisal Mohamed Abdullaheem
Abdulrahman Alobeidli
Arinjay Bisht
Kevin Daniel Buca
Nicholas Wood Cahill
Yang Cao
Jiyi Chen
Tangxuanang Chen
Nathaniel Yehchan Chong
Wen-Kai Chung
Willy Andrew Dai
Enakshi Deb
Andrew Nicholas Gillespie
Ryan A. Gudal
Zeqi Han
Minming He
Kevin Michael Helmich, Jr.
Zachary Rock Ingram
Jianwei Jia
Nihar Dhananjay Joshi
Tanay Madhav Kulkarni
Anu M. Kumar
Ashvin B. Kumar

COLLEGE OF ENGINEERING

Master of Science in Engineering

Electrical and Computer Engineering

Yang-Lun Lai
Bruce Wai-Ting Li
Haolin Li
Minghan Li
Ruohua Li
Andrew Lin
Peter Andrew Linder
Hongrui Liu
Ming-Yang Lo
Zhenhua Lu
Chenhao Ma
Brian Oo
Dongha Paek
Shivam Ghanshyam Patel
Lakshmi Pujitha Patnaik
Daolin Qiu
Aaron Thomas Reynolds
Jason R. Ribbentrop
Naman Saxena
Jay Schauer
Prashant Shankar
Michael Jacob Shkolnik
Eli Reuben Smith
Jack T. Smith
Zain Saad Souweidane
Ian Clark Stewart
Mingxiao Su
Upasana Thakuria
Wenzhe Tong
John Peter Vallespir
Michael C. Wang
Zezheng Wang
Alexander Joseph Willis
Junzhe Wu
Xingqi Wu
Yichao Wu
Tony Xiao
Wanyue Xu
Yuanxiang Xu
Ke Yang
Yichao Yuan
Jinrui Zhang
Yaning Zhang
Xiaoxue Zhong
Christian Jun-Dao Zung

Environmental Engineering

Bryon Banman
Zihao Cui
Jillian Eliza Hesler
Brittany Brown Hicks

Christian Oliver Hitt
Ziheng Liang
Jiawei Liu
Samuel Eli Orta
Isabel Gabriela Pagan-Caballero
Hongji Su
Daniela Tapia Pitzzu
Savannah Marie Wujastyk

Industrial and Operations Engineering

Timothy Breckwoldt
Gongyu Chen
Qiyuan Chen
Sadie Emerald Cox
Yuchen Du
Robert A. Elliott
Avery Allen Fanning
Yucheng Gao
Chen Ge
Isabella Campbell Hartman
Caroline Theresa Hirth
Samuel Hoher
Matthew Benjamin Howard
Robert Ellis Jackson
Ekim Ozgun Koca
Nicholas McCarthy
Lauren Moore
Daniel Joshua Nemmert
Bhumi Pritesh Patel
Shiv Neeve Patel
Zeren Peng
Andrew Pridgeon
Makayla Roma
Noah S. Schon
Jeremy Segal
Dhruvil Gaurang Shah
Joey Zev Shoyer
Artemis Siavelis
Katerina Siavelis
Neeraja Ajit Sovani
Bradley Charles Succi
Emily Teresa Sysko
Diane Tian
Grace Anne Vandelac
Frank J. Visnadul
Yuanchen Wang
Max Walter Weber
Seonho Woo
Haoshu Xian
Yuhang Zheng
Yuguo Zhong

Macromolecular Science and Engineering

Logan Daniel Boals

Materials Science and Engineering

Attri Bezbaruah
Yi-Hua Chen
Ryan Edward Gast
Arkajit Ghosh
Ariba Javed
Kamruzzaman Khan
Ching-Yen Lee
Qinyi Liu
Hailey Dover Lovelace
Kaitlyn E. Moo
Daniele Fatto Offidani
Tzu-Yu Ou
Sahana Prabhu
Tathya Amar Shinde
Shibo Tan
Yu-Chen Yang

Mechanical Engineering

Elina Marie Agarwal
Mohammed Abdulhakeem Asaker
Kevin Bao
Land Barnum
Enrico Rudy Braucher
Erin May Burrell
Yuting Cao
Mihai Cimpuiaru
Rana S. Dabaja
George Yunlon Deng
Aditya Nitin Deshmukh
Caleb Michael Estell
Yixuan Feng
Jacob Michael Fischette
Vishnu P. K. Giri
Tryaksh Gupta
Houduo Austin He
Michael Kalata
Asiegbu Miracle Kanu-Asiegbu
Panagiota Kitsopoulos
Raj Viren Lakhani
Dongmyeong Lee
Wei Lee
Wonyul Lee
Jun Li
Chia-Yin Lin

COLLEGE OF ENGINEERING

Master of Science in Engineering

Mechanical Engineering

Mei-Chia Lin
Hongrui Liu
Yuchen Liu
Zhenhua Lu
Finnegan Lynch
Adolfo Medellin
Lillian Mei
Yuhang Mei
Hossein Moghimianavval
Praneet Nallan Chakravarthula
Robert Nawara
Justin Keith Osborn
Abigail Lauren Overbeck
Rahul R.
Thanush Rajendran
Shuangxuan Ran
Nundini D. Rawal
Christian Steven Ridings
Christopher Joseph Ruedinger
Vincenzo Luigi Scalise
Guangyan Shen
Alfred Akira Shiomi Jensen
Jenna Elizabeth Stolzman
Caleb Daniel Styles
Arjun Sundararajan

Huu-Hieu Ta
Dingding Tan
Dominique Nicole Tan-Ng
Nick Tyler Tholen
Yizhou Tian
Amos Tsai
Mengyan Tu
Swathy Vidyadharan
Jeremy Nailin Wang
Tao Wang
Yuqi Wang
Sihang Wei
William Joseph White
Max Wu
Kuiyuan Xu
Jiongzhi Yang
Mengyao Zhang
Simeng Zhao
Xinchen Zhou

Naval Architecture and Marine Engineering

Taylor Stephenson Althouse
Connor William Arrigan
Gavin Lee Clower
Nayah Mo'Nae Daniel

Avery Allen Fanning
Nathan Gregory Feldman
Robert Ellis Jackson
Kevin Thomas O'Keefe
Stephan B. Seo
Benjamin Bruce Alan Simmons
Bradley Charles Suci
Emily Teresa Sysko
John Bernard Walton
Je'Shaun White
Matthew David Wozniak

Nuclear Engineering and Radiological Sciences

Sumit Kumar Basak
Adam Nathaniel Brusstar
Meredith Burgess Eaheart
Zhenyu Fei
Thomas Griffin Jayasankar
Junkou Lee
Muyue Li
Samuel Shane Piper
Levi Welch
Elijah James Wilson

MARSAL FAMILY SCHOOL OF EDUCATION

Founded in 1921, Elizabeth Birr Moje, Dean

Certificate of Graduate Studies

Learning Experience Design

Christine Elizabeth Cabrera
Belquis Aminah Elhadi

Sammi Vittert
Makoto Watanabe
Jennifer Zheng

Master of Arts

Education

Rodney Jamel Woodruff

Hyun Jeong Park
Carlton Maurice Shane
Rebecca Jeanne Weiland

Educational Leadership and Policy

Andrea Beamon
Rediat Mersha

Educational Studies

Christopher Breznau
Gina Lee Ceccarelli
Darian Rachel D'Antuono
Queeny Gao
Maya V. Hunt

MARSAL FAMILY SCHOOL OF EDUCATION

Master of Arts

Educational Studies

Skye Kapinus Vaden
Atsushi Kato
Brandon Luciano Persico
Kaleigh Rose Respecki
Ashley Tran
Kaitlynn Nguyen Vo
Makoto Watanabe

Yaohan Ye
Wenkang Zhang
Jennifer Zheng

Higher Education

JaCarla Brechelle Anderson
Clare Alice Brown
Michela Luisa Corsi

Antuan Featherstone
Lauren Elyse Lewallen
Delaney Dean Stersic
Kalisi Taborga
Rachel Erin Taylor
Sierra Marie Voigt
Danny Zhang

STEPHEN M. ROSS SCHOOL OF BUSINESS

Founded in 1924, Sharon F. Matusik, Edward J. Frey Dean of Business

Master of Arts

Business Administration

Lakshmi Ganesan

SCHOOL FOR ENVIRONMENT AND SUSTAINABILITY

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

Certificate of Graduate Studies

Environmental Justice

Bridget Eileen Lally

Industrial Ecology

Ellis Craven Brewer
Michael Edwin Orbain

Sustainability

Niki Fairchild Azevedo

Master of Landscape Architecture

Landscape Architecture

Caitlin Bates
Esther Chiang
Shannon Denise Clancy
Dallas Richard Ford
Elijah N. Lowry
Dillon Royce Martin

Alissa Jolie Paquette
Joseph L. Powell
Isabella Juliet Shehab
Keely St. Andrew
Rajpankaja Talukdar
Kaitlyn Eileen Vreeken

Theodore Nicholas Vuchinich
Foster Bleu Woodruff
Sipeng Zhang
Xu Zhou
Yuhan Zhou
Chen Zuo

Master of Science

Environment and Sustainability

Kiley E. Adams
Emily Grace Adrid
Luke Martin Allen
Greg Allinson

Grant Alpert
Sarah Victoria Avery
Keoni Makaio Bailey
Allegra Faith Baird
Beth Bannar

Molly Barstow
Jessica Claire Berger
Max Berry
Valerie Elizabeth Blakely
Jyoti D. Bodas

SCHOOL FOR ENVIRONMENT AND SUSTAINABILITY

Master of Science

Environment and Sustainability

Matthew Evan Kingma Boelens
Emily Claire Brady
Celia Bravard
Zachary Bryan Brooks
Anna A. Bunting
Kat A. Cameron
Julie Marie Carter
Sydney C. Cartwright
Bryan Castillo
Hang Chen
Esther Chiang
Anna Marie Ciacciarella
Sarah Cole
Marney Elizabeth Coleman
Alice Colville
Liam Connolly
Gustavo De Jesus Cordero
Marjorie Rose Cort
Alex Curwin
Peter Michael Czajkowski
Sofia Elisabeth Da Silva
Haley Brooke Dalian
Elena Davert
Mikela Grace Dean
Krysta December
Karan Rajesh Dhanak
Hannah Rae Dillahunt
Connor Donnelly
Claire Doyle
Maria Dozier
Pengyi Du
Maria Alexandra Duster
Erin East
Jeremiah Eaton
Sarah Ann Eldridge
Lucas John Eshuis
Eamon Espey
Sophie Cheyenne Farr
Osman Ali Fazili
Yixuan Feng
Zoe Morgane Gaugiran Fernando-Santana
Nicholas Paul Fiori
Kyla Michelle Foley
Luke David Forsberg
Fiona Lou Fox
Katherine Mary-Renee Francois
Meagan Gail Froeba
Erika Blair Frondorf
Sagen H. Fuller
Journ Warren Galvan

Meaghan Kealoha Anela U'I Gavagan
Brian Geiringer
Janet Genser
Dinah George
Remington Elizabeth Gerst
David Hans Gieschen
Riley Irene Glancy
Connor Gluck
Hiedi Goodrich
Delfina Grinspan
Jakob Wendle Grubb
Laura Gumpfer
Nicolás Alfredo Gutiérrez-Riera
Joshua Ryan Habib
Casey Willow Haggerty
Nikita Kye Hahn
Margaret Wood Halpern
Ella Hartshorn
Ezekiel Juan Herrera-Bevan
Kimberly Heumann
Christian Oliver Hitt
Erin Holland
Maddie Holm
Luyi Huang
Megan Marie Husted
Ritvik Sunil Vaijanti Jain
Seoyeon Jang
Zhaoqianji Ji
Sam Jiao
Ashley Elizabeth Jones
Akshata Pravin Karnik
Rachel Selma Kaufmann
Sagarika Kaushik
Alicia Michelle Kawamoto
Nicolas Eduardo Kent
Adam Kerlin
April Thearot Kim
Erika Ann Kinninger
Daly Rosemary Kleaveland
Gwendolyn Klenke
Siri Kore
Angelina Rose Kossoff
Savannah Lee Koth
Tom Kraeutler
Jordyn Ann Kreucher
Skyler Jordan Kriese
Emma Dorothy Kull
Arianna Amber Lapke
Jordan J. Larson
Hans Peter Leisman
Linnet León Gene
Linfeng Li

Sam Limerick
Annie Linden
Dingyu Liu
Rebecca A. Lowy
Rishi Sreekumar Madethatt
Rachel Marie Ada Mallet
Emily Maria Marcil
Dillon Royce Martin
Zona Martin
Amanda Martinez
Melissa Ann Mattwig
Anna Bardot McAtee
John Calvin McClure
Kelly Marie McElroy
Anna Mae McGlashen
Hailey McQuaid
Mackenzie Leigh Meter
Zachary Reyer Mondschein
Barbara Nainiger
Elizabeth Rose Nichols
Kylee Nichols
Jasmyn Noel
Anna N. Norman
Hannah Rose Nossan
Jack Ned O'Brien
Max Odena
Eric Oesterling
Alexander McKenzie O'Keefe
Ian James O'Leary
Anne Jersild Olsen
Michael Edwin Orbain
Anna Marie Ostermeier
Ylexia Padilla
Kusum Anjali Pandey
Lavanya Gauri Pandit
Evelyn Patrell-Fazio
Hannah Michelle Peplinski
Vinicius Cesar Perin Briganti
Sally Catherine Phipps
Julia Marlene Piscioniere
Joseph Robert Pitti
Catherine Plank
Jonah Beilis Pollens-Dempsey
Erin Danielle Posas
Jordan Power
Bree H. Prehn
Jalyn Prout
Justin Pryor
Maria Concepcion Ramirez
Nicole Ann Rappuhn
Olivia Rath
Saif Ur Rehman

SCHOOL FOR ENVIRONMENT AND SUSTAINABILITY

Master of Science

Environment and Sustainability

Brandon Theodore Ridsdale-Smith
David Rose
Peter James Rustad
Moirá Leonella Salazar
Vincent Castro Salgado
Zoey L. Scancarello
Cade Steven Schafer
Amy Schatz
Paris Kim Schofield
Meredith Seibold
Ananya Devang Shah
Xuesi Shao
Isabella Juliet Shehab
Alison Raine Shereda
Jillian Ruby Grace Shrader
McKinley J. Siegle
Jessica C. Silber-Byrne
Ian Salvatore Slack
Kaitlyn Nicole Sledge

Marisa Joye Smedsrud
Jordan S. Smith
Elsa E. Soderberg
William Sollish
Emma Elizabeth Stark
Michael John Storch, Jr.
Lenny Duke Su
Samuel R. Sugerman
Savannah Glyn Tally
Daniela Tapia Pitzzu
Meg Taylor
Sam Teng
Hanlin Tian
Amani Askari Tolin
Megan Louise Trapp
John Patrick Urquhart
Amy Van Zanen
Swathy Vidyadharan
Jessica Villarreal
Chantalle Vincent

Yingxin Wang
James Aaron Washington V
Harrison Watson
Eli William Hermo Weaver
Jane Wei
Karen Weldon
Joel Robert Weltzien
Grace Whipkey
Whitney Ann White
Maaïke Rose Wielenga
Rachel Woodcock
Jie Yan
Zhangyanyang Yao
Nazli Yazdizadeh
Ysabelle Kristen Yrad
Annie Zaro
Hayden Victoria Zavareei
Zhiang Zhang
Xu Zhou
Chen Zuo

SCHOOL OF MUSIC, THEATRE & DANCE

Founded in 1929, David A. Gier, Dean

Certificate of Graduate Studies

Arts Entrepreneurship and Leadership

Hon Tak Cheng
Minji Kim

Marsae Lynette Mitchell
Njeri Rutherford

Master of Arts

Media Arts

Eloysa Elena Zelada Cisneros

Master of Fine Arts

Dance

Marsae Lynette Mitchell
Leah O'Donnell

A. ALFRED TAUBMAN COLLEGE OF ARCHITECTURE AND URBAN PLANNING

Founded in 1931, Jonathan Massey, Dean

Certificate of Graduate Studies

Real Estate Development

Danielle Felice Contorer
Marco Antonio Dominguez
Levi Fingerer
Chelsea Elaine Gaylord
James Michael Hill

Nicholas Robert Hill
Nikshith Reddy Nagaraja Reddy
Erin Noelle Neustrom
Aric Reed
Danielle Jean Wallick
Boxian Zhao

Urban Informatics

Walter Lee Hunt
Srishti Jaipuria
Manvi Nigam
Arthur O'Leary

Master of Science

Architecture

Bader AlBader

Jingkui Gao
Chavi Gupta
Li Jui Hung
Abdallah Ali Kamhawi
Rahasadat Kamravafar
Mohammad Shafik Karkoutly
Muhammad Dayyem Khan
Amber M. Klinger

Xiaodong Li
Zhijuan Liu
Zaid Mazin Hikmat Marji
Dishant Hitendra Patel
Vishal Ajay Rohira
Mehrddad Shahraeen
Tharanesh Varadharajan
Sri Hari Kanth Venna

Architecture Design and Research

Ghassan Mohammed R. Alserayhi
Tuli Bhattacharjee
Stuti Bindlish
Zachary Darmanian-Harris
Ali Hazem Fahmy

Master of Urban and Regional Planning

Urban and Regional Planning

Maya Joy Gingerich Baker
Kira Barsten
Melika Belhaj
Anthony Phan Bui
Kat A. Cameron
Catherine Carlberg
Christian Carroll
Harrison Clark
Danielle Felice Contorer
Christopher John Dahman
Marco Antonio Dominguez
Kathryn Rose Economou
David Kevin Elam II
Alexis Marie Farrell

Sarah Hope Fleckenstein
Maria Garcia Reyna
Tianhong Ge
Dana Lenora Gentry
Matthew McClain Hastings
Nicholas Robert Hill
Srishti Jaipuria
Gurleen Kaur
Nida Khan
Anna H. Lam
Caroline Grace Lamb
Sam Limerick
Annie Linden
Michelle Marin
Manvi Nigam

Arthur O'Leary
Jihwan Park
Anna Gabriela Pasek
Harshita Pilla
Joshua Lee Powell
Luke W. Ranker
Elsa E. Soderberg
Olivia J. Stillman
Kimberly Jo Swinehart
Dylan Vaughn-Jansen
Danielle Jean Wallick
Jiahao Wang
Lauren Ashley Week
Alex Wilkinson
Yuan Wu

SCHOOL OF PUBLIC HEALTH

Founded in 1941, F. DuBois Bowman, Dean

Master of Science

Biostatistics

Jessica Caroline Aldous
Daniela Angulo
Swaraj Bose
Aonan Chen
Nuona Chen
Xiao Chen
Yiwen Chen
Yuxuan Chen
Dan Liviu Ciotlos
Anne Cohen
Rachel Christina Davis
Faye Fang
Samuel David Fansler
Jieyi Gao
Nicolas Gargurevich
Andre Guerra
Yuelin He
Yunjia Hu
Ziming Huang
Taejin Hwang
Hua Jiang
Ziman Jiang
Weijia Jin
Dhruva A. Krishnamurthy
Ritoban Kundu
Annie Kwon
Haoyue Li
Li Liu
Tiangge Liu
Abby Loe
Guoxuan Ma
Lisiyu Ma
Lauren MacConnachie
Ruoxuan Mao
Flynn Jameson McMorro
Sabir Nabih Meah
Sarah Nicole Medley
Salina Moon
Cathy Thu Nguyen
Wenchu Pan
Yue Pan

Yutong Pan
Weizhou Qian
Xuheng Qiang
Malcolm Halladay Risk
Xiaochun Shao
Yubo Shao
Ben M. Smith
Yao Song
Mike Sweeney
Dhjanae J. Sylvertooth
Cheukying Rosita Szeto
Xueting Tao
Grace Anne Tiernon
Yanlin Tong
Hanna Marie Venera
Bo Wang
Jinhao Wang
Leah Wang
Yichu Wang
Yili Wang
Zixi Wang
Maya Gee Watanabe
Hao Wu
Yuntian Wu
Haisheng Xu
Mengqi Xu
Xinyang Xu
Eileen Yang
Youqi Yang
Zhiyi Yang
Shuaicheng Yu
Han Zhang
Hanwen Zhang
Longfei Zhang
Shubo Zhang
Yahui Zhang
Yuqiang Zhang
Zhehan Zhang
Jessica Zhenru Zhao
Yutong Zhong
Ruiwen Zhou

Clinical Research

Haley K. Talbot-Stetsko

Computational Epidemiology and Systems Modeling

Rossana Torres Alvarez

Environmental Health Sciences

Annella Mary Benjamin
Jie He
Seoyeon Jang
Abas Shkempi
Amber Lynn Siglin
Sahil Tolia
Chloe Marie Wilkinson

Nutritional Sciences

Xiaochun Gai
Danting Gan
Raheem Louis
Allison Meyer
Ivy Xie
Zichun Xu
Mengshu Yan
Shuo Zhang
Yundan Zhang

Population and Health Sciences

Yasser Ibraheem A. Alwabli
Audrey Cuison
Prasanna K. Mohanty
Dananubini Ramanan
Mohamad Asraf Ramli
Nguyen Ngoc Khoi Truong

Toxicology

Margaret Marie Quaid
Jade Schroeder
Dongyue Wang
Neil Zhao

UNIVERSITY OF MICHIGAN-FLINT

Founded in 1956, Debasish Dutta, Chancellor

COLLEGE OF ARTS AND SCIENCES

Master of Arts in Arts Administration

Jonathan J. Napper
Logan R. Neubecker
Oshin S. Pazare

Master of Arts in Liberal Studies

Megan Smalley
Jason W. Westra-Hall

Master of Public Administration

Jasmine K. Benton	Matt J. Cronk
Brandee A. Cooke-Brown	Tyler R. White

UNIVERSITY OF MICHIGAN-DEARBORN

Founded in 1959, Domenico Grasso, Chancellor

COLLEGE OF ENGINEERING AND COMPUTER SCIENCE

Master of Science

Computer and Information Science

Cameron Andrew Kachur

Engineering Management

Joseph M. Baranek
Richard W. Douglas

Olga Naumenko
Kenneth Ruffner
Jennifer Sweeney
Brian D. Wilczek

Software Engineering

Samuel Elias Morales
Tyler David Skene

Master of Science in Engineering

Automotive Systems Engineering

Katherine Ann Arnold
Eric James Bontrager

Cornelius Macfarland
Karl D. Schlicker
Benjamin Morse Wagner

COLLEGE OF ENGINEERING AND COMPUTER SCIENCE

Master of Science in Engineering

Computer Engineering

Nathan Avery Bagnall
Adam E. Hawkins
Joel Valleroy

Electrical Engineering

David Jonathan Lew
Nazli Deniz Sen

Mechanical Engineering

Dominic Richard Doxen
John H. McCormick
Joel Bruce Smith

Doctor of Philosophy

Electrical, Electronics Computer Engineering

Song Wang

Industrial and Systems Engineering

Yixuan Liu
Mustapha Jamal Makki
Mayuresh Vijay Savargaonkar

Mechanical Sciences and Engineering

Karnpiwat Tantratian

PENNY W. STAMPS SCHOOL OF ART & DESIGN

Founded in 1974, Carlos Francisco Jackson, Dean

Master of Design

Integrative Design

Niki Fairchild Azevedo
Kayla Marie Guillory
Akhila Kosaraju

Master of Fine Arts

Art

Emily Georgiabelle Smith

SCHOOL OF KINESIOLOGY

Founded in 2008, Lori Ploutz-Snyder, Dean

Certificate of Graduate Studies

Physical Activity and Nutrition

Sabrina J. Hartwell

Master of Science

Athletic Training

Lauren Cimino
Aaron Jeffrey Gerwig
Payton James
Jacquelin Amanda Kluge
Rosalie Elizabeth Mumford
Gabriella Taylor Von Arx
Jesse Lily von Arx
Montanna Elizabeth Windham

Movement Science

Barrett Philip Bongiorno
Grayson Edward Hill
Seth Joshua Kahan
Melina Margaret Livingston
Anna Panebianco
Sara Mackenzie Price
Anthony Louis Sommers
Robert Wesley Sulaver

Sport Management

Colin M. Anschuetz
Mien-Chin Chao
Nicolas J. DeMarco
Ari Yaakov Eizen
Reyna Frost
Anthony Charles Gettino
Lorenza Guzman Hentschel
Zhuopu He
Kraylee Marie Ledger
Ha-Eun Nam
Dengkaiyi Ou
Janise Packnet
Yingshuo Sun
Abbey Wikol

UNIVERSITY OF MICHIGAN GRADUATES

August 2023

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

Extended Reality

Chengxiang Li

Master of Science

Chemical Biology

Matt DeMaio

Shuqi Zhao

COLLEGE OF LITERATURE, SCIENCE, AND THE ARTS

Founded in 1841, Anne Curzan, Dean

Master of Arts

Applied Economics

Tongyu Jin

Jiayin Li

Jiajun Sui

Xiaoxia Sun

Tianyi Wang

Tianchang Yin

Master of Science

Data Science

Elizabeth Park

Molecular, Cellular and Developmental Biology

Hend Hussain S. Almunaiddi

Nina Brown

Quantitative Finance and Risk Management

Zimin Zeng

MEDICAL SCHOOL

Founded in 1850, Marschall S. Runge, Dean

Certificate of Graduate Studies

Precision Health

Matt DeMaio

Master of Science

Pharmacology

Mahdi Hoballa Husseini

Sarvatha Mukundan

Annelies Kay Ondersma

Nirvisha Singh

Jacob Veire

Dajia Wang

Xinyu Wang

Hanbo Zhang

Rongxi Zhang

Physiology

Wintana M. Eyob

Genaro D. Fullano

Jenna Herzog

Diarratou Kaba

Syeda Hafsa Mahmood

Aniqa Maisha

Noora Mofrad

Ana Paik

Justin C. Postma

Roshni Rangaswamy

Madison Sydney Richards

Manal Rizwan

Julio Alejandro Roque Buenrostro

Lauryn Chanel Taylor

Brandon Wright

SCHOOL OF DENTISTRY

Founded in 1875, Jan Hu, Interim Dean

Master of Science

Endodontics

Hafsa Affendi
Paridhi Kalia Kimble
Luis Enrique Medina Torres
Fabian Andres Rodriguez Hidalgo

Orthodontics

Duy Bui
Kenneth Cordell Carter
Jade Nicole Cook
Yamini Balwani Gopani
David Bryant Jarvie

Chidinma B. Okafor
Elizabeth Marie Soulas

Periodontics

Zhaozhao Chen
Iya Humam Bishara Ghassib
Jad Majzoub
Liana Preto Webber
Jose Maria Ramos Toledo
Janet Linn Zalucha

Prosthodontics

Robert Jay Ault
Christiana Onisiforou
Bhavinkumar Balendrakumar Patel

Restorative Dentistry

Nastaran Agheli
Nader Ridn M. Almutairi
Rehab Saud S. Alreddadi
Khawlah Ali A. Faydhi
Myrian Kashima

COLLEGE OF PHARMACY

Founded in 1876, Vicki Ellingrod, Dean

Master of Science

Integrated Pharmaceutical Sciences

Shalaka Ravindra Abhyankar
Jaynab Ruksana Akhtar

Yue Cheng
Hao-Ping Chiang
Ruisi Leng
Ziyi Lu

Gaocong Lyu
Lingwei Lyu
Nicholas Brandon Tong Yang

GERALD R. FORD SCHOOL OF PUBLIC POLICY

Founded in 1914, Celeste Watkins-Hayes, Interim Dean

Certificate of Graduate Studies

Science, Technology and Public Policy

Sarah Elizabeth Ackenhusen

Master of Public Policy

Public Policy

Aissa Laouan Wandarama

COLLEGE OF ENGINEERING

Founded in 1915, Alec D. Gallimore, Robert J. Vlasic Dean of Engineering

Certificate of Graduate Studies

Data Science

EunSeon Ahn

Master of Science

Biomedical Engineering

Zainab Salman Alramadhan

Computer Science and Engineering

Yuze Lou

Design Science

Aarohi Mayur Doshi
Minyu Li

Electrical and Computer Engineering

Hongcheng Guo
Ziwei Huang

Kyumin Kwon

Haowen Li

Naval Architecture and Marine Engineering

João Felipe Costa Casares

Master of Science in Engineering

Aerospace Engineering

Miles E. G. Irmer
Vishranth Siva

Civil Engineering

William James Birch, Jr.
Tanmay Vora

Materials Science and Engineering

Ziyuan Qin

Biomedical Engineering

Donia W. Ahmed
Madeline Kay Eiken
Atticus John McCoy
Adrian Marcelo Porras Laura
Nadine Nasser Samaha

Computer Science and Engineering

Gefei Zuo

Industrial and Operations Engineering

Amanda Gorges

Mechanical Engineering

Youngrok Lee

Nuclear Engineering and Radiological Sciences

Luiz Flavio Dias Da Costa Azevedo

MARSAL FAMILY SCHOOL OF EDUCATION

Founded in 1921, Elizabeth Birr Moje, Dean

Master of Arts

Educational Leadership and Policy

Laura Marie Padalino

Educational Studies

Emily Elizabeth Balagna
Adelaide Marie Barcalow
Shelby Grace Benham
Liz Brisson
Sarah Mercedes Burch
Amiya Milan Carreras
Hope Alexandra Chase
Janine Renee Chouinard
Alexia Paige Coleman
Anna Underhill Dinverno
Jamie Erdheim
Xiaoyu Fang

Morgan I. Franks
Hallie Camryn Fried
Jessica Sarah Gliner
Jasmine Alexandra Young Grant
Devyn Rae Harding
Meiling Huang
Kaijsa Christine Johnson
Phelan Margaret Johnson
Alexander Scott Judge
Asa MacGregor Kerr
Julianna Lenoff Kiley
Jessica Youngin Koh
Samantha Leigh Leacher
Auriana Meishan Leismer
Jordan Kenneth Lemanski
Yiwen Li
Yang Liu

Yiyang Liu
Christina Ann Losee
Ania Lukasinski
Daniel John Macha
Vanessa J. M. Merritt
Marcella Elizabeth Mick
Kristen Ally Mifsud
Katlyn Rose Nagy
Cole Harris Nyboer
Juhaku Okugawa
Megan Osak
Annika Joyce Pattenauode
Molly Rose Barbara Powers
K. J. Reese
Emma Kathryn Ronk
Skylar Ryskamp
Harmeet Kaur Saini

MARSAL FAMILY SCHOOL OF EDUCATION

Master of Arts

Educational Studies

Destiny Marie Sands
Maya Shaaban
Huda Sheikh-Khalil
Michelle Sheng
Hannah Grace Slattery
Sara Jane Thompson
Eliana Miriam Ungar

Baylee Marie Van Brunt
Meg Ward
Rachel Chelsea Wellings
Magdalena Izabela Wilson
Xinwei Xue

Higher Education

Evan Marie Allison Pieknik
Wynter Douglas
Natalie Drobny
Tingqi Fu
Takeshi Mishina
Dianna Lyzzete Torres
Suveria Tiye Welch

SCHOOL FOR ENVIRONMENT AND SUSTAINABILITY

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

Master of Landscape Architecture

Landscape Architecture

Thomas Kenneth Charney

Master of Science

Environment and Sustainability

Ariana Bautista
Carson James Brown
Erin Elizabeth Graves
Blake Evan Heidenreich
Samuel Erick Heilman

Tariku Negassa
Meghna Patnaik
Xochyl J. Perez
Caitlin Melissa Vigneau
Olivia Fisher Williams

Natural Resources and Environment

Hana Mohammed Qoronfleh

UNIVERSITY OF MICHIGAN-FLINT

Founded in 1956, Debasish Dutta, Chancellor

COLLEGE OF ARTS AND SCIENCES

Master of Arts in Liberal Studies

Eliza Wilson-Powers

Master of Public Administration

Gretchen Pleuss

SCHOOL OF KINESIOLOGY

Founded in 2008, Lori Ploutz-Snyder, Dean

Certificate of Graduate Studies

Physical Activity and Nutrition

Zichun Xu

Master of Science

Sport Management

Sydney Hines

Christian Jarrett Ure

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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Thank you for attending this program. The University of Michigan strives to create a truly open forum, one in which diverse opinions can be expressed and heard.

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.

We reaffirm these policies in order to most fully protect the rights of free expression for speakers, performers and protesters alike, as set forth by our Civil Liberties Board in our Student Handbook, and in accordance with the U-M Standard Practice Guide; Regents' Ordinance Article XII, Section 1; and state statutes.

THE YELLOW AND BLUE

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

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

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

THE VICTORS

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

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

