UNIVERSITY OF MICHIGAN

Rackham Graduate Exercises

April 30, 2021

Honoring the Class of 2021

RACKHAM GRADUATE EXERCISES
UNIVERSITY OF MICHIGAN

April 30, 2021
7:00 p.m.

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

A preliminary list of August 2021 degree candidates begins on page 41.

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

ORDER OF EXERCISES

Carillon Selections	Tiffany Ng *University Carillonist and Assistant Professor of Music* *School of Music, Theatre & Dance*
Processional	**Trumpet Voluntary** *Composed by Jeremiah Clarke* James Kibbie *University Organist and Professor of Music* *School of Music, Theatre & Dance*
Opening	Colleen Conway *Chair, Senate Advisory Committee on University Affairs*
***The National Anthem**	**The Star Spangled Banner** Jennifer Cresswell *Doctor of Musical Arts Candidate, 2021*
Welcome	Susan M. Collins *Provost and Executive Vice President for Academic Affairs*
Greetings from the Board of Regents	Denise Ilitch *Chair, University of Michigan Board of Regents*
Graduate Speaker	Channing Mathews *Doctor of Philosophy, 2020*
Statement to the Class of 2021	Mark S. Schlissel *President*
Commencement Address	Twyla Tharp *2021 Honorary Degree Recipient, Doctor of Fine Arts* *Choreographer, dancer and founder of the Twyla Tharp Dance Company*
Musical Performance	**Mouvement From Images Book 1** *Composed by Claude Debussy* Jie Ren *Doctor of Musical Arts Candidate, 2022*

Remarks on Behalf of the Horace H. Rackham School of Graduate Studies	Michael J. Solomon *Dean, Horace H. Rackham School of Graduate Studies and Vice Provost for Academic Affairs–Graduate Studies*
Candidates for Master's Degrees and Certificates	Mark S. Schlissel Michael J. Solomon
Presentation of Doctoral Candidates	Mark S. Schlissel Michael J. Solomon
Congratulations	Bob Stefanski *Chair of the Board of Directors* *Alumni Association of the University of Michigan*
Closing	Michael J. Solomon
The Alma Mater	**The Yellow and Blue** *Composed by Michael W. Balfe* James Kibbie (see lyrics at the back of the program)
Recessional	**Toccata from Symphony V** *Composed by Charles-Marie Widor* James Kibbie

*Those who are able are asked to stand for the portions of the program asterisked (*).

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
Mark S. Schlissel	*ex officio*

EXECUTIVE OFFICERS

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DEANS AND REPRESENTATIVES

Michael S. Barr	*Joan and Sanford Weill Dean of Public Policy, Gerald R. Ford School of Public Policy*
F. DuBois Bowman	*Dean, School of Public Health*
Anne Curzan	*Dean, College of Literature, Science, and the Arts*
Scott DeRue	*Edward J. Frey Dean of Business, Stephen M. Ross School of Business*
Thomas A. Finholt	*Dean, School of Information*
Alec D. Gallimore	*Robert J. Vlasic Dean of Engineering, College of Engineering*
David A. Gier	*Dean, School of Music, Theatre & Dance*
James L. Hilton	*University Librarian and Dean of University Libraries*
Patricia D. Hurn	*Dean, School of Nursing*
Jonathan Massey	*Dean, A. Alfred Taubman College of Architecture and Urban Planning*
Laurie K. McCauley	*Dean, School of Dentistry*
Elizabeth Birr Moje	*Dean, School of Education*
Bruce A. Mueller	*Interim Dean, College of Pharmacy*
Gunalan Nadarajan	*Dean, Penny W. Stamps School of Art & Design*
Jonathan T. Overpeck	*Samuel A. Graham Dean, School for Environment and Sustainability*
Lori Ploutz-Snyder	*Dean, School of Kinesiology*
Marschall S. Runge	*Dean, Medical School*
Michael J. Solomon	*Dean, Horace H. Rackham School of Graduate Studies and Vice Provost for Academic Affairs–Graduate Studies*
Lynn Videka	*Dean, School of Social Work*
Mark D. West	*David A. Breach Dean of Law, Law School*

COMMENCEMENT SPEAKER

Channing Mathews

Doctor of Philosophy, Combined Program in Education and Psychology

Horace H. Rackham School of Graduate Studies

Channing Mathews of Valdosta, Georgia, is a past-president of the Students of Color of Rackham, and served as co-coordinator of U-M's interdisciplinary RacismLab, which examines structural racism in the context of research. As a doctoral student, she studied how Black youth understand what it means to be Black, and how that understanding influences their awareness of racial inequality. Currently a postdoctoral fellow at North Carolina State University, Channing studies how Black and Latinx youth use racial identity and critical consciousness to succeed in science, technology, engineering, and math in the United States and United Kingdom. Prior to graduate school, Channing was a teacher in the Dominican Republic and the Republic of the Congo, where she also coached varsity soccer. She plans to pursue an academic career, but is actively reimagining her career path in a post-COVID world.

Twyla Tharp

2021 Honorary Degree Recipient, Doctor of Fine Arts

Choreographer, dancer, and founder of the Twyla Tharp Dance Company

Renowned choreographer Twyla Tharp has thrilled audiences with her electrifying artistry for more than five decades. Ms. Tharp, founder of the Twyla Tharp Dance company and a recipient of the 1992 John D. and Catherine T. MacArthur Fellowship, works fluidly with multiple musical genres, from classical to jazz and pop. She is known for the originality and physicality of her dances, exacting standards, and relentless work ethic. Ms. Tharp, a longtime New York City resident, was born in Portland, Indiana, and grew up in Rialto, California. Gifted with absolute pitch, she began playing piano at age 4, earned a B.A. degree (1963) in art history from Barnard College, and studied with Merce Cunningham and Martha Graham. As a member of the Paul Taylor Dance Company, she performed in Rackham Auditorium under the auspices of the University Musical Society (UMS) in 1964. A year later, she launched her own company, which toured internationally from 1971 to 1988. Ms. Tharp choreographed *Deuce Coupe* (1973), the first modern dance/ballet crossover, to the music of the Beach Boys for the Joffrey Ballet, and *Push Comes to Shove* (1976), another crossover, for the American Ballet Theatre (ABT). In all, she has created more than 160 works, including dances, television specials, films, ballets, and Broadway shows. She won two Emmy Awards and the Directors Guild of America Award for the television special *Baryshnikov by Tharp* (1985). Ms. Tharp has created dances for leading companies, including the ABT, Australian Ballet, Martha Graham Dance Company, New York City Ballet, Paris Opera Ballet, and Britain's Royal Ballet. Her film credits for choreography include *Hair* (1978), *Amadeus* (1983), *White Nights* (1985), and *I'll Do Anything* (1994). She debuted on Broadway with *When We Were Very Young* (1980). Her musical *Movin' Out* (2002), set to the music and lyrics of Billy Joel, won a Tony Award for Best Choreography. Ms. Tharp returned to Ann Arbor with her company in 1996 for a six-day residency that included UMS performances, a film series, and educational events, and again in 2002 for performances and a lecture and demonstration by Ms. Tharp. Addressing the ephemeral nature of dance, she has created an archive of her teaching and performing tapes and maintains an online catalog of her work. Shortly after the COVID-19 pandemic began, Ms. Tharp started using Zoom to choreograph dances. She has authored four books, including her autobiography *Push Comes to Shove* (1992) and *Keep It Moving, Lessons for the Rest of Your Life* (2019). Ms. Tharp is a member of the American Academy of Arts and Sciences and the American Philosophical Society. She received a National Medal of Arts in 2004 and was a Kennedy Center Honoree in 2008. The Smithsonian National Portrait Gallery featured her in its critically acclaimed "Dancing the Dream" exhibition in 2013-2014.

Ms. Tharp, you are one of the world's most prolific choreographers, famous for the breadth of your work and a life-long passion for communicating and building community through dance. You developed a performance vocabulary that draws from many sources, and have created a distinctive, interpretive language for dance that inspires new generations of dancers. The University of Michigan is pleased to recognize your legendary contributions to dance and American culture, and to present to you the honorary degree, Doctor of Fine Arts.

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.

Josh Ackerman
Elizabeth S. Anderson
Brian D. Athey
Ella Marie Atkins
Andrew P. Ault
Katherine M. Babiak
Ryan Castle Bailey
Deborah Loewenberg Ball
Marlyse Baptista
Kira L. Barton
Hyman Bass
Michael Bastedo
Erhan Bayraktar
Michael M. Bernitsas
Kent C. Berridge
Joel D. Blum
Andre L. Boehman
Matthew L. Boulton
John Bound
Alan P. Boyle
Tom Braun
Jonathan R. Brennan
Eunshin Byon
Myron Campbell
Christin Carter-Su
Carlos E. Cesnik
Arul M. Chinnaiyan
Michael Cianfrocco
Philippa J. Clarke
David K. Cohen
Natalie Colabianchi
Felipe A. Csaszar
James W. Cutler
Samantha Hayes Daly
Neil P. Dasgupta
Timothy W. Davis
Jason P. De Leon
Stephen Lowell DesJardins
Gregory James Dick
Ivo Dinov
Dana Dolinoy
Pingsha Dong
Thomas J. Downar
Ronald Dreslinski, Jr.
Karthik Duraisamy
Sherif El-Tawil
Henriette Dina-Maria Elvang
Paolo Elvati
Lola Eniola-Adefeso
Barbara Jane Ericson
Ying Fan
Jeffrey A. Fessler
Carol A. Fierke
C. Alberto Figueroa
Robert L. Fishman
Michael Flynn
Sara L. Forsdyke
Benjamin W. Fortson
Peter Louis Freddolino
Almantas Galvanauskas
Deanna Gates
Eitan Geva
Anna Catherine Gilbert
Anouck Renee Girard
Sharon C. Glotzer
Rachel S. Goldman
Theodore G. Goodson III
Joe Grengs
Seth David Guikema
Mark Guzdial
Michael L. Haithcock
Christopher Todd Harding
Craig Harris
Yongqun Oliver He
Zhong He
Jeffrey G. Heath
Daniel Chilcote Herbert
Pat Herbst
John Thomas Heron
Eric A. Hetland
Heath Hofmann
Robert Hovden
Yihe Huang
Richard I. Hume
Luke Williamson Hyde
Daniel J. Inman
Shigeki Iwase
Daniel Jacobson
Sugih Jamin
Ann E. Jeffers
Lizhen Ji
Ajit Joglekar
Eric Johnsen
Andrew Jones
Igor Jovanovic
Lars Peter Junghans
Emily M. Jutkiewicz
Carrie Anne Karvonen-Gutierrez
Robert T. Kennedy
Gretchen Keppel-Aleks
Kelley Kidwell
Elizabeth Jane King
Denise E. Kirschner
Celina G. Kleer
Joy Knoblauch
Brendan Matthew Kochunas
Ilya Vladimir Kolmanovsky
Nicholas Kotov
Robert Krasny
Katsuo Kurabayashi
Cagliyan Kurdak
Nojin Kwak
Kenneth Kwan
Richard M. Laine
John E. Laird
Rebecca Ann Lange
Yue Ying Lau
Mariel Lavieri
Fiona Lee
John C. Lee
SangHyun Lee
Artemis S. Leontis
Daniel K. Leventhal
Jennifer J. Linderman
James T. Liu
David Lombard
Jody Rae Lori
Wei Lu
Stephen A. Lusmann
Anna K. Mapp
David M. Markovitz
Emmanuelle Marquis
Emily Toth Martin
William R. Martin
Joaquim R. R. A. Martins
Martha M. Matuszak
Adam J. Matzger
Heather B. Mayes
Jason P. McCormick
Charles McCrory
John D. Meeker
Geeta Mehta
Radoslaw L. Michalowski
Rada Mihalcea
Christopher Stephen Monk
Arnold S. Monto
James J. Moon
Cristina Moreiras-Menor
Frederick J. Morrison
James Henry Morrissey
Sheila C. Murphy
Mircea Immanuel Mustata
Knute J. Nadelhoffer
Sunitha Nagrath
Kayvan Najarian
Alison Rae Hardin Narayan
Shima Nassiri
Mojtaba Navvab
Nouri Neamati
Jon-Fredrik Nielsen
Doug Noll
Carla O'Connor
Melanie D. Ohi
Lauro V. Ojeda
Akira Ono
Yoichi Osawa
Dimitra Panagou
Carole Parent
Marina Pasca Di Magliano
Vincent L. Pecoraro
Huei Peng
Noel C. Perkins
Don Peurach
John D. Piette
Adela N. Pinch
Kevin Patrick Pipe
Scott Pletcher

DISSERTATION CHAIRS

Ken Powell
Sara A. Pozzi
Kevin Michael Quinn
Georg A. Raithel
Ayyalusamy Ramamoorthy
Venkat Raman
Lutgarde M. Raskin
C. David Remy
Patricia A. Reuter-Lorenz
Shai Revzen
Deborah Rivas-Drake
Eugene Cardell Rogers, Jr.
Christopher S. Ruf
Brandon Thomas Ruotolo
Andrew Michael Ryan
Karem A. Sakallah
Jeff S. Sakamoto
Anne Sales
Melanie S. Sanford
Kamal Sarabandi
Corinna Schindler
Michael C. Schoenfeldt
Amy Jo Schulz
Peter J. Scott
Randy J. Seeley
John A. Shaw
Siqian May Shen
Cong Shi
Albert J. Shih
Kang Geun Shin
Max Shtein
Ginger Victoria Shultz
Jason Benjamin Siegel
Nirala Singh
Logan Skelton
Janet L. Smith
Jennifer Ann Smith
Henry Sodano
Seymour Milton John Spence
William Charles Stacey
Anna G. Stefanopoulou
Duxin Sun
Jing Sun
Veera Sundararaghavan
Dennis Michael Sylvester
Levi Theodore Thompson
Greg Michael Thurber
Peter Todd
Louise Toppin
Anish Tuteja
Mark Peter Van Oyen
Kristen J. Verhey
Arthur M. F. W. Verhoogt
Angela Violi
Nils G. Walter
Lu Wang
Felix Warneken
Christina Jo Weiland
Lois S. Weisman
Michael P. Wellman
Thomas F. Wenisch
Andrzej Tomasz Wierzbicki
Krista Wigginton
Jean D. Wineman
Trisha Wittkopp
Henry T. Wright
Dean C. Yang
Dimitrios Zekkos
Zhengya Zhang
Liuyan Zhao
Bing Zhou
Junjie Zhu
Michael E. Zieve
Paul Zimmerman

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.

ACADEMIC COLORS

The colors of the various disciplines are as follows:

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

Mingled colors distinguish combined curriculums.

THE UNIVERSITY MACE

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

SCHOOLS AND COLLEGES OF THE UNIVERSITY

The order of presentation is by the year of founding.

College of Literature, Science, and the Arts

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

Medical School

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

Law School

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

School of Dentistry

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

College of Pharmacy

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

College of Engineering

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

Horace H. Rackham School of Graduate Studies

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

A. Alfred Taubman College of Architecture and Urban Planning

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

School of Education

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

Stephen M. Ross School of Business

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

School for Environment and Sustainability

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

School of Music, Theatre & Dance

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

School of Nursing

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

School of Public Health

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

School of Social Work

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

School of Information

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

Penny W. Stamps School of Art & Design

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

School of Kinesiology

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

Gerald R. Ford School of Public Policy

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

CANDIDATES FOR DEGREES AND CERTIFICATES

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

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

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

Candidates for degrees granted April 30, 2021

Doctor of Musical Arts

Jennifer Elizabeth Cresswell, Field of Specialization: Music Performance. Dissertation: Murder, She Sang: A Progression on Sopranos and Death.

Joseph Keith Kemper, Field of Specialization: Conducting (Choral). Dissertation: Three Portraits of Choral Repertoire: Evolutions of Choral Music, Frank Martin *Mass for Double Choir,* and Ted Hearne *Sound from the Bench*.

Sarah Mi-Eun Kim, Field of Specialization: Music Performance. Dissertation: Summary of Dissertation Recitals.

Xiaoya Liu, Field of Specialization: Music Performance. Dissertation: Summary of Three Dissertation Recitals.

Christine Elyse Lundahl, Field of Specialization: Conducting (Band). Dissertation: Wind Music Through the Ages: A Summary of Dissertation Recitals.

Joana Lenn Rusche, Field of Specialization: Music Performance. Dissertation: Summary of Dissertation Recitals: Notes on Three Performances.

Doctor of Philosophy

Ahmed Usama Said Said Abdelhady, Field of Specialization: Civil Engineering and Scientific Computing. Dissertation: Resilience of Residential Wooden Structures against Wind Hazards.

Abby Agi, Field of Specialization: Education and Psychology. Dissertation: What Does it Mean to be Black in North America? Interrogating Ethnic-Racial Identity in Context.

Ellen Yuleidy Aguilera, Field of Specialization: Chemistry. Dissertation: Development of Palladium-Mediated Transannular C—H Functionalization Methods for Alicyclic Amines.

Tutu T. Ajayi, Field of Specialization: Electrical and Computer Engineering. Dissertation: Rapid SoC Design: On Architectures, Methodologies and Frameworks.

Alaa Algargoosh, Field of Specialization: Architecture. Dissertation: Aural Architecture as Affect: Understanding the Impact of Acoustic Environments on Human Experience.

Fahad Hamad A. Alrashed, Field of Specialization: Linguistics. Dissertation: Investigation of the Distributions, Derivation, and Generalizations in Arabic Plural System.

Haley Minami Amemiya, Field of Specialization: Cellular and Molecular Biology. Dissertation: Functional and Mechanistic Characterization of Heterochromatin-like Domains in Bacteria.

Farah Ammous, Field of Specialization: Epidemiological Science. Dissertation: Effects of DNA Methylation on Cardiovascular Disease, Target Organ Damage, and their Risk Factors in African Americans.

Anna S. Antoniou, Field of Specialization: Anthropology. Dissertation: Collaborating for First Foods: Archaeological Investigations of Chinookan and Lower Chehalis Foodways in Willapa Bay, Washington.

Pahriya Ashrap, Field of Specialization: Environmental Health Sciences. Dissertation: Metal Exposure During Pregnancy: Trends, Predictors, Associations with Birth Outcomes and the Modifying Effect of Maternal Psychosocial Stress.

Javad Bagherzadeh, Field of Specialization: Computer Science and Engineering. Dissertation: A Holistic Solution for Reliability of 3D Parallel Systems.

Navid Barani Lonbani, Field of Specialization: Electrical Engineering. Dissertation: Small Electrical, Mechanical, and Biomechanical Systems of Electromagnetic Radiation.

Joel Mason Batterman, Field of Specialization: Urban and Regional Planning. Dissertation: A Metropolitan Dilemma: Regional Planning, Governance and Power in Detroit, 1945-1995.

Shanice Battle, Field of Specialization: Epidemiological Science. Dissertation: Power, Place and Mental Health: Pathways between Neighborhood Vulnerability and Depressive Symptoms.

Hannah Baumgartner, Field of Specialization: Psychology. Dissertation: Limbic Generators of Incentive Motivation and Aversive Motivation.

Marc Rudolf Becker, Field of Specialization: Chemistry. Dissertation: Development of New Methods Involving Strained Heterocycles.

Andrea Belgrade, Field of Specialization: Psychology. Dissertation: Advancing Multiculturalism in Positive Psychology: Cultivating Identity and Wellbeing from Seeds of Adversity.

Brian Arthur Bittner, Field of Specialization: Robotics. Dissertation: Data-Driven Methods for Geometric Systems.

Nicolas Boileau, Field of Specialization: Educational Studies. Dissertation: An Investigation of the Relationship Between Two Norms of the Instructional Situation of Geometric Calculation with Algebra in U.S. High School Geometry.

Ali Bolcakan, Field of Specialization: Comparative Literature. Dissertation: The Language of Politics, The Politics of Language: The Political Literature in the Late Ottoman Empire and the Early Turkish Republic.

Michael Booth, Field of Specialization: Health Behavior And Health Education. Dissertation: Cognitive Impairments in Immune-Mediated Inflammatory Diseases.

Doctor of Philosophy

Alexandra Shelly Bova, Field of Specialization: Neuroscience. Dissertation: Rodent Skilled Reaching: A Model for Investigating Neural Mechanisms of Dexterous Motor Control.

Corin L. Bowen, Field of Specialization: Aerospace Engineering. Dissertation: Thermomechanical Experiments and Modeling of Shape Memory Alloy Tension Springs; Critical and Liberative Analyses of Engineering Educational Systems.

Irene Elsa Brisson, Field of Specialization: Architecture. Dissertation: Speaking, Gesturing, Drawing, Building: Relational Techniques of a Kreyòl Architecture.

Denis Luis Bueno, Field of Specialization: Computer Science and Engineering. Dissertation: Software Model Checking with Uninterpreted Functions.

Tucker Burgin, Field of Specialization: Chemical Engineering. Dissertation: Transition Pathway Perspectives in Molecular Simulations of Enzymes.

Zachary Thomas Butterfield, Field of Specialization: Atmospheric, Oceanic and Space Sciences. Dissertation: A Multi-Scale Assessment of Solar-Induced Chlorophyll Fluorescence and Its Relation to Northern Hemisphere Forest Productivity.

Lilian Edith Cabrera-Haro, Field of Specialization: Psychology. Dissertation: Asymmetrical Learning of Win and Loss Associations: Individual Differences and Task Effects.

Meredith Adelle Calogero, Field of Specialization: Earth and Environmental Sciences. Dissertation: High-Resolution Numerical Thermal Modeling of Timescales and Mechanisms of Rhyolite Genesis and Transport as a Consequence of Basalt Influx: Applications to the Long Valley Volcanic Field, CA.

Traci Lyn Carson, Field of Specialization: Epidemiological Science. Dissertation: The Culture and Consequences of Low Energy Availability in National Collegiate Athletic Association Division One Female Distance Runners: A Mixed Methods Investigation.

Amber Lee Cathey, Field of Specialization: Environmental Health Sciences. Dissertation: Phthalate Exposures and Hormonal Disruption in Relation to Birth Outcomes.

Rachel Cawkwell, Field of Specialization: English Language and Literature. Dissertation: Prison Forms: Genre and Excarceral Politics in Victorian Literature.

Yan-Cheng Chao, Field of Specialization: Biostatistics. Dissertation: Estimation Methods and Clinical Trial Design in Small n, Sequential, Multiple-Assignment, Randomized Trials.

Cole Alexander Chapman, Field of Specialization: Chemistry. Dissertation: Clinical Diagnostics For Immune Response Assessment Through Multiplexed Biosensor Immunoassays In At-Risk Populations.

Khalil Jimmy Chedid, Field of Specialization: Epidemiological Science. Dissertation: Multidrug-Resistant Organisms: Preventing Acquisition and Transmission.

Kuan-Hung Chen, Field of Specialization: Materials Science and Engineering. Dissertation: Rational Design of Electrode Architectures for Improved Performance of Li-metal and Li-ion Batteries.

Song Chen, Field of Specialization: Pharmacology. Dissertation: Membrane Curvature During Cell Migration.

Gilyoung Cheong, Field of Specialization: Mathematics. Dissertation: Cycle Indices in Arithmetic Geometry.

Wonjin Choi, Field of Specialization: Materials Science and Engineering. Dissertation: Reconfigurable Kirigami Optics and Chiral Phonons.

Kathleen Chou, Field of Specialization: Materials Science and Engineering. Dissertation: Role of Oxygen on Phase Stability, Precipitation, Deformation, and Oxidation in Pure Titanium and Beta Titanium Alloys.

Megan Connor, Field of Specialization: Chemistry. Dissertation: Teaching and Learning 1H Nuclear Magnetic Resonance Spectroscopy.

Jessica Leigh Cote, Field of Specialization: Neuroscience. Dissertation: The Brain-Specific Alternatively Spliced Isoforms of Adapter Protein SH2B1 Regulate Energy Balance and Neuronal Morphology and Function.

Evelyn Marie Covés-Datson, Field of Specialization: Microbiology and Immunology. Dissertation: Molecularly Engineered Lectins as Anti-Influenza Agents.

Emily Marie Crossette, Field of Specialization: Environmental Engineering. Dissertation: Microbial Diversity and Antimicrobial Resistance in Land Applied Manure.

Kathryn Irene Cunningham, Field of Specialization: Information. Dissertation: Purpose-first Programming: A Programming Learning Approach for Learners Who Care Most About What Code Achieves.

Christine R. Cuthbertson, Field of Specialization: Medicinal Chemistry. Dissertation: Inhibition of Nucleotide and One-Carbon Metabolism for the Treatment of Cancer.

Shiba Sundar Dandpat, Field of Specialization: Chemistry. Dissertation: Mechanism of Transcription and Translation Regulation by Riboswitches in Bacteria.

David Zhenzhong Dang, Field of Specialization: Aerospace Engineering and Scientific Computing. Dissertation: Thermal and Structural Response Modeling of a Woven Thermal Protection System.

Sampurna Datta Bhattacharya, Field of Specialization: Civil Engineering. Dissertation: A Computational Model for Coupled Hydraulic-Biochemical-Mechanical Processes of Municipal Solid Waste Degradation.

Peter Mitchell DeJonge, Field of Specialization: Epidemiological Science. Dissertation: Using Prospective Illness Surveillance Data to Quantify, Characterize, and Mitigate the Risk of Childcare-Associated Respiratory Disease.

Joseph Richard DeLeon, Field of Specialization: Film, Television, and Media. Dissertation: Social Media at the Margins: Crafting Community Media Before the Web.

Giacomo Di Mauro, Field of Specialization: Chemistry. Dissertation: Lipid-Nanodiscs Formed by Paramagnetic Polymers for Fast NMR Data Acquisition.

Doctor of Philosophy

Kelsey Anne Diffley, Field of Specialization: Chemistry. Dissertation: Regulation of Activity and Selectivity of Histone Deacetylases.

Ryan Adam Dodson, Field of Specialization: Chemistry. Dissertation: Solvent Effects in Metal-Organic Framework Activation, Resolvation, Synthesis, and Linker Exchange.

Shengcheng Dong, Field of Specialization: Bioinformatics. Dissertation: Computational Methods to Identify Regulatory Variants in the Non-Coding Regions of the Human Genome.

Elizabeth Alexandra Drueke, Field of Specialization: Physics. Dissertation: Nonlinear Optical Effects in Weyl Semimetals and Other Strongly Correlated Materials.

Audrey Veronne Eshun, Field of Specialization: Chemistry. Dissertation: Investigations of Organic Molecules Using Entangled Photons as a Novel Spectroscopic Tool.

Erin Eda Evke, Field of Specialization: Materials Science and Engineering. Dissertation: Kirigami-Based Approaches to the Development of Highly Tunable Mechanical, Electrical, and Optical Systems and Devices.

Negar Farzaneh, Field of Specialization: Bioinformatics. Dissertation: Automated Decision Support System for Traumatic Injuries.

Ian Fishback, Field of Specialization: Philosophy. Dissertation: Method and the Morality of War.

Nicholas Jonte Foster, Field of Specialization: Chemical Biology. Dissertation: Defining Binding Principles to Target Coactivator Med25-Activator Interaction.

Amy Fulton, Field of Specialization: Higher Education. Dissertation: College President Responses to Student Activism on Campus.

Oliver Jintha Gadabu, Field of Specialization: Health Infrastructures and Learning Systems. Dissertation: Describing Documentation of Electronic Health Records (EHR) in Anti-Retroviral Therapy (ART) Clinics to Improve Data Quality for Healthcare Processes in Malawi.

Patricia Marie Garay, Field of Specialization: Neuroscience. Dissertation: Promoter Selection and Smith-Magenis Syndrome Protein Retinoic Acid Induced-1 in Neuronal Activity-Dependent Transcription.

Kunal Garg, Field of Specialization: Aerospace Engineering. Dissertation: Advances in the Theory of Fixed-time Stability with Applications in Constrained Control and Optimization.

Jiseok Gim, Field of Specialization: Materials Science and Engineering. Dissertation: Hierarchical Nanostructure of Natural Biominerals and Man-made Semiconductors.

Leigh Gayle Goetschius, Field of Specialization: Psychology. Dissertation: Violence Exposure and Social Deprivation: Neural Connectivity Correlates and Protective Factors.

Mark Joseph Greenfield, Field of Specialization: Mathematics. Dissertation: Some New Directions in Teichmüeller Theory.

Christian M. Greenhill, Field of Specialization: Materials Science and Engineering. Dissertation: Influence of Composition and Morphology on the Electronic Properties of Semiconductor Nanostructures and Alloys.

LoriAnne Groo, Field of Specialization: Aerospace Engineering. Dissertation: Integrated Damage Sensing in Fiber-Reinforced Polymer Matrix Composites Using Nano- and Micro-Scale Materials.

Maha Said Ahmed Abdeltawab Hanafi, Field of Specialization: Medicinal Chemistry. Dissertation: Targeting Sigma-2 Receptor and ZFP91 in Pancreatic Cancer.

John Henry Hansen, Field of Specialization: Aerospace Engineering. Dissertation: Control Allocation of Flexible Aircraft for Load Alleviation.

Michelle Harr, Field of Specialization: Mechanical Engineering. Dissertation: The Effects of Temperature and Microstructure on Slip Localization in Microtextured Ti-6Al-2Sn-4Zr-2Mo under Dwell Fatigue.

Sicheng He, Field of Specialization: Aerospace Engineering. Dissertation: Aerodynamic Shape Optimization using a Time-Spectral Approach for Limit Cycle Oscillation Prediction.

Whitney Michelle Hegseth, Field of Specialization: Educational Studies. Dissertation: Respect by Design: How Different Educational Systems Interact with Mutual Respect in Classrooms.

Matthew Hildner, Field of Specialization: Mechanical Engineering. Dissertation: Modeling and Control of Transient Mixing Flow for Direct Ink Write Additive Manufacturing.

Junho Hong, Field of Specialization: Physics. Dissertation: The N=4 SU(N) Super-Yang-Mills Index and Dual AdS Black Holes.

Michael Yeungjun Hua, Field of Specialization: Nuclear Engineering and Radiological Sciences. Dissertation: Advances in Microscopic, Time-Correlated Neutron Noise Techniques.

Ignacio Jose Huerta Bravo, Field of Specialization: Romance Languages and Literatures Spanish. Dissertation: Fascism, Populism and Common Sense in Spain: La Gaceta Literaria, La Conquista del Estado, F.E. y Vertice (1927-1939).

Melissa Anne Hutcheson, Field of Specialization: Physics. Dissertation: Search for the Rare Decay of the Neutral Kaon, KL-->?0??.

Ameya Pranav Jalihal, Field of Specialization: Cellular and Molecular Biology. Dissertation: To Find and to Form: Cellular Strategies for Intracellular Target Search and Higher-Order Assembly.

Abhijit Jassem, Field of Specialization: Nuclear Engineering and Radiological Sciences. Dissertation: Analysis of Non-Uniform Cathode Emission and Backward Wave Oscillations in a Traveling Wave Tube.

Aman Kumar Jha, Field of Specialization: Mechanical Engineering. Dissertation: Thermal Characterization of High-Power Diode Lasers Using Thermoreflectance.

Lu Jie, Field of Specialization: Electrical and Computer Engineering. Dissertation: Advanced Noise-Shaping Data Conversion Techniques.

Doctor of Philosophy

Jacob Crossman Johnson, Field of Specialization: Molecular and Integrative Physiology. Dissertation: Circadian Rhythms, Light, and Social Perception: Sensory Regulation of Lifespan in Drosophila.

Garrett William Johnson, Field of Specialization: Chemical Biology. Dissertation: High-Throughput siRNA Screening Reveals Epigenetic Proteins that Differentially Regulate Intratumoral Heterogeneity in Triple-Negative Breast Cancer.

Louis Joslyn, Field of Specialization: Bioinformatics. Dissertation: Multiscale Modeling of T Cells in Mycobacterium Tuberculosis Infection.

Ilham Variansyah, Field of Specialization: Nuclear Engineering and Radiological Sciences. Dissertation: A Robust Second-Order Multiple Balance Method and αWeighted Multigroup Constants for Time-Dependent Nuclear Reactor Simulations.

Elnaz Kabir, Field of Specialization: Industrial and Operations Engineering. Dissertation: Predictive and Prescriptive Analytics for Managing the Impact of Hazards on Power Systems.

Dawn Marie Kaczmar, Field of Specialization: English Language and Literature. Dissertation: Disability and Race in British Literature, 1580-1833.

Steven Michael Karamihas, Field of Specialization: Mechanical Engineering. Dissertation: Improvement of Inertial Profiler Measurements of Urban and Low-Speed Roadways.

Mohammad Ali Kazemi Lari, Field of Specialization: Aerospace Engineering. Dissertation: Multidisciplinary Study of Soft Shape Morphing Systems.

Sarah Kearns, Field of Specialization: Chemical Biology. Dissertation: Mechanism of Cytoskeleton Modification by Histone Methyltransferase SETD2.

Jason Michael Keil, Field of Specialization: Human Genetics. Dissertation: Symmetric Neural Progenitor Divisions Require Chromatin-Mediated Homology-Directed DNA Repair.

Samantha Blake Kemp, Field of Specialization: Molecular and Cellular Pathology. Dissertation: Elucidating Mechanisms of Immune Suppression in Mouse and Human Pancreatic Cancer.

Sydney May Keough, Field of Specialization: Philosophy. Dissertation: Self-Understanding and Narrative Explanation.

Esmaeil Keyvanshokooh, Field of Specialization: Industrial and Operations Engineering. Dissertation: Personalized Data-Driven Learning and Optimization: Theory and Applications to Healthcare.

Eshita Khera, Field of Specialization: Chemical Engineering. Dissertation: Engineering Tumor Distribution of Antibody-Drug Conjugates.

Daeho Kim, Field of Specialization: Civil Engineering. Dissertation: Toward Co-Robotic Construction: Visual Site Monitoring & Hazard Detection to Ensure Worker Safety.

Taemin Kim, Field of Specialization: Mechanical Engineering. Dissertation: Greenhouse Gas Reduction via Co-optimization of Alternative Diesel Fuels with Compression Ignition Engines.

Jaywoo Kim, Field of Specialization: Kinesiology and Mechanical Engineering. Dissertation: Evaluating the Effects of Powered Prostheses on Walking Biomechanics In and Out of the Lab.

Matthew Jeffrey Krupcale, Field of Specialization: Nuclear Engineering and Radiological Sciences and Scientific Computing. Dissertation: Modeling Dispersion of Radionuclides in the Turbulent Atmosphere.

Alex Kukreja, Field of Specialization: Biophysics. Dissertation: A Nanoscale Blueprint of the Human Kinetochore and the Functional Limits of Its Design.

Aaron Y. Kurz, Field of Specialization: Earth and Environmental Sciences. Dissertation: Mercury Stable Isotopes Identify Past and Present Mercury Sources and Cycling.

Abigail May Lamb, Field of Specialization: Molecular, Cellular and Developmental Biology. Dissertation: Genetic Determinants of the Development and Evolution of Drosophila Pigmentation.

Nathalie Lambrecht, Field of Specialization: Nutritional Sciences. Dissertation: Understanding the Role of Livestock Ownership on Anemia among Young Children in Ghana.

Samantha Rose Lapehn, Field of Specialization: Toxicology. Dissertation: Spatial and Temporal Protein Oxidation and Redox Signaling in Mechanisms of Structural Birth Defects.

Charles Olson Leak, Field of Specialization: Nuclear Engineering and Radiological Sciences. Dissertation: Techniques for Pixelated Ambipolar-Sensitive Semiconductor Gamma-Ray Spectrometers.

HaEun Lee, Field of Specialization: Nursing. Dissertation: Understanding the Association of Savings and Internal Lending Communities (SILCs) Participation and Household Wealth and Access of Reproductive Health Services (RHSs) in Rural Zambia.

Jeongsup Lee, Field of Specialization: Electrical and Computer Engineering. Dissertation: Implementations of Low-Power μProcessor System for Miniaturized IoT Applications.

Saerom Lee, Field of Specialization: Business Administration. Dissertation: Organizing for Entrepreneurship.

Sage Lee, Field of Specialization: Communication. Dissertation: Permanently Connected: Behavior, Perception, and Their Impact on News Sharing.

Sangmin Lee, Field of Specialization: Chemical Engineering. Dissertation: Assembly Behavior of Hard and DNA-Programmable Colloidal Shapes into Complex Crystal Structures.

Suhak Lee, Field of Specialization: Mechanical Engineering. Dissertation: Electrode-Specific Degradation Diagnostics for Lithium-Ion Batteries with Practical Considerations.

Young-eun Lee, Field of Specialization: Psychology. Dissertation: The Development of Responses to Unfairness in Children.

Doctor of Philosophy

Manqi Li, Field of Specialization: Business Administration. Dissertation: Data-Driven Operations Management.

Nan Li, Field of Specialization: Aerospace Engineering. Dissertation: Game-Theoretic and Set-Based Methods for Safe Autonomous Vehicles on Shared Roads.

Claire Lin, Field of Specialization: Applied and Interdisciplinary Mathematics. Dissertation: Efficient Model-Based Reconstruction for Dynamic MRI.

Alexander Linsalata, Field of Specialization: Cellular and Molecular Biology. Dissertation: Identification of Novel Modifiers of RAN Translation at FMR1 and C9ORF72.

Bingjie Liu, Field of Specialization: Industrial and Operations Engineering. Dissertation: Simulation Parameter Calibration with Field Operational Data: Methods and Applications.

Chester Liu, Field of Specialization: Electrical Engineering. Dissertation: Design of Configurable and Extensible Accelerator Architecture for Machine Learning Algorithms.

Rundao Lu, Field of Specialization: Electrical and Computer Engineering. Dissertation: CMOS mm-Wave Digital Beamformer Receiver with Parallelized Continuous-Time Band-Pass Delta-Sigma ADCs.

Tianrui Luo, Field of Specialization: Biomedical Engineering. Dissertation: MRI Excitation Pulse Design and Image Reconstruction for Accelerated Neuroimaging.

Sabrina Rachel Lynch, Field of Specialization: Biomedical Engineering. Dissertation: Non-Newtonian Stabilized Mass Transport Model: Applications to Thrombosis Research in Cardiovascular Hemodynamics.

Lu Ma, Field of Specialization: Physics. Dissertation: Electromagnetic Field Sensing with Rydberg Atoms in Vapor Cells.

Jamie L. MacLennan, Field of Specialization: Applied Physics. Dissertation: Rydberg Molecules and Excitation of Lattice-Mixed Rydberg States in a Deep Ponderomotive Optical Lattice.

Shai Madjar, Field of Specialization: Philosophy. Dissertation: Emotional Assessment and Emotion Regulation: A Philosophical Approach.

Ifeanyi Kizito Madu, Field of Specialization: Chemical Engineering. Dissertation: Understanding the Optical and Photophysical Properties of Organic and Hybrid Macromolecules and Polymers for Solar Cell Application.

Lauren Marie Mancia, Field of Specialization: Mechanical Engineering. Dissertation: Numerical Investigations of Cavitation-Induced Tissue Damage.

Adam Alexander Markovitz, Field of Specialization: Health Service Organization and Policy. Dissertation: Changes in Spending, Risk Selection, and the Response of Frontline Clinicians: Understanding Performance Mechanisms in the Medicare Shared Savings Program.

Wesley Javier Marrero Colon, Field of Specialization: Industrial and Operations Engineering. Dissertation: Data-Driven Decision Making in Healthcare.

Candice Kaplan Martin, Field of Specialization: Aerospace Engineering. Dissertation: Analysis of the Aerodynamics of Tumbling Spacecraft During Orbital Decay and Reentry.

Jason Martinez, Field of Specialization: Civil Engineering. Dissertation: Finite Element Analysis of Steel-Concrete Composite Floor Systems under Traveling Fires.

Alvaro Giovanni Masias, Field of Specialization: Materials Science and Engineering. Dissertation: Properties of Lithium Metal for Solid State Batteries.

Carolyn Pietrucha Masserang, Field of Specialization: Educational Studies. Dissertation: Understanding the Identities, Emotions, Attitudes and Motivations of Developmental Mathematics Students in the Context of Their Prior Learning and Life Experiences.

Nina Brooks Masters, Field of Specialization: Epidemiological Science. Dissertation: Understanding the Resurgence of an Eliminated Disease: Spatial, Attitudinal, and Regulatory Factors Underlying Measles Outbreaks in the Post-Elimination Era.

David R. Mayers, Field of Specialization: Applied Physics. Dissertation: New Applications of Satellite-Measured Tropical Cyclone Wind Speeds.

Sara Marie Medfisch, Field of Specialization: Chemistry. Dissertation: Optimization of Nanodisc Array Generation on Silicon Photonic Microring Resonators for Lipid-Protein and Membrane Protein-Protein Interaction Characterization.

Peter Benjamin Meisenheimer, Field of Specialization: Materials Science and Engineering. Dissertation: Disorder Engineering of Ferroic Properties.

Bruna Menezes, Field of Specialization: Chemical Engineering. Dissertation: A New Hybrid Agent-Based Model to Evaluate Antibody-Drug Conjugates in Solid Tumors.

Aaron Huber Mininger, Field of Specialization: Computer Science and Engineering. Dissertation: Expanding Task Diversity in Explanation-Based Interactive Task Learning.

Seyedamirhossein Mirhosseininiri, Field of Specialization: Computer Science and Engineering. Dissertation: Datacenter Architectures for the Microservices Era.

Lillie Margaret Moffett, Field of Specialization: Education and Psychology. Dissertation: Investigating the Feasibility of Preschool Interventions Targeting Children's Executive Functioning & Math Skills.

Aakash Mohpal, Field of Specialization: Economics. Dissertation: Essays in Development Economics.

John Moon, Field of Specialization: Electrical Engineering. Dissertation: Temporal Data Analysis Using Reservoir Computing and Dynamic Memristors.

Emily Helen Mordan, Field of Specialization: Chemistry. Dissertation: Addressing Common HPLC Detector Challenges Using Silicon Photonic Microring Resonators with Applications for Polymer Separations and More.

Ellen Augusta Mulvihill, Field of Specialization: Chemistry and Scientific Computing. Dissertation: Simulating Electronically Nonadiabatic Dynamics via the Generalized Quantum Master Equation.

Doctor of Philosophy

Jaime Alejandro Muñoz Velázquez, Field of Specialization: Psychology. Dissertation: Characterizing the Association Between Material Hardship Across Development and Connectome-Wide Brain Connectivity in Adolescents.

Elizabeth Alice Nabney, Field of Specialization: Classical Studies. Dissertation: Labour and Family Separation in Roman Egypt.

Hideaki Nakao, Field of Specialization: Industrial and Operations Engineering. Dissertation: Distributionally Robust Optimization in Sequential Decision Making.

Jalal Adham Nasser, Field of Specialization: Aerospace Engineering. Dissertation: Nanostructured Interphases for Improved Interfacial Adhesion in Structural and Ballistic Composites.

Weixuan Nie, Field of Specialization: Chemistry. Dissertation: Designing Novel Molecular Catalyst Systems for Electrochemical CO2 Reduction with High Activity at Low Effective Overpotentials.

Edward Nolan, Field of Specialization: Classical Studies. Dissertation: Language and Difference in Herodotus.

Cosme Almanzor Ochoa, Field of Specialization: Robotics. Dissertation: Metalevel Motion Planning for Unmanned Aircraft Systems: Metrics Definition and Algorithm Selection.

James Kayode Ofuegbe, Field of Specialization: Naval Architecture and Marine Engineering. Dissertation: Relation at the Fluid-Structure Interface and Residuary Force in Flow Induced Oscillations with Experimental Validation (VIV & Galloping).

Nicole Olson, Field of Specialization: Chemistry. Dissertation: Microscopic and Spectroscopic Analysis of Atmospheric Aerosols from Organic and Freshwater Sources.

Amel Omari, Field of Specialization: Health Behavior And Health Education. Dissertation: The Health Benefits of Educational Attainment and Citizenship for Racialized Migrants to France.

Edison Ong, Field of Specialization: Bioinformatics. Dissertation: Rational Vaccine Design by Reverse & Structural Vaccinology and Ontology.

John David Orlet, Field of Specialization: Chemistry. Dissertation: New Interfaces to Silicon Photonic Microring Resonator Arrays for Chemical Separations.

Meghan Oster, Field of Specialization: Higher Education. Dissertation: Performance-Based Funding: An In-Depth Policy Analysis.

Zhicheng Ouyang, Field of Specialization: Civil Engineering and Scientific Computing. Dissertation: Computational Frameworks for Probabilistic Performance-Based Wind Assessment of Envelope Systems of Engineered Buildings.

Daniel Rocky Owen, Field of Specialization: Nuclear Engineering and Radiological Sciences. Dissertation: Modeling Dose-Function Response and Toxicity Pathways in Non-Small Cell Lung Cancer Patients Undergoing Radiation Treatment.

Sarah N. Owen, Field of Specialization: Chemical Engineering. Dissertation: Application of Ultra-low Circulating Biomarkers and Single Cell Analysis from Solid Tumors with Single Molecule Resolution.

Shaowu Pan, Field of Specialization: Aerospace Engineering and Scientific Computing. Dissertation: Robust and Interpretable Learning for Operator-Theoretic Modeling of Non-linear Dynamics.

Shruti Paranjape, Field of Specialization: Physics. Dissertation: Bootstrapping Scattering Amplitudes in Effective Field Theories.

Charles Park, Field of Specialization: Biomedical Engineering. Dissertation: Immunoengineering Approaches for the Treatment of Cancer and Prevention of Infectious Diseases.

Taeju Park, Field of Specialization: Computer Science and Engineering. Dissertation: Optimization of In-Vehicle Network Design.

Abhijit Parolia, Field of Specialization: Molecular and Cellular Pathology. Dissertation: Characterizing and Targeting the Chromatin Determinants of Cancer Cell Identity: Cancer's Addiction to its Originating Cellular Lineage.

Anita Patel, Field of Specialization: Neuroscience. Dissertation: Gut-brain Axis Regulation of Food Intake and Visceral Illness.

Hanzhang Pei, Field of Specialization: Electrical and Computer Engineering and Scientific Computing. Dissertation: High Fidelity Coherent Pulse Stacking Amplification with Intelligent System Controls.

Samuel Louis Pellone, Field of Specialization: Mechanical Engineering. Dissertation: Vorticity Dynamics of Hydrodynamic Instabilities Occurring at Material Interfaces: Application to High-Energy-Density Systems.

Yibo Pi, Field of Specialization: Computer Science and Engineering. Dissertation: Evaluating and Improving Internet Load Balancing with Large-Scale Latency Measurements.

Lisa Marie Pinatti, Field of Specialization: Cancer Biology. Dissertation: Investigating Molecular Drivers of Human Papillomavirus (HPV)-Related Oropharyngeal Cancer.

Jacqueline Mechtilde Antoinette Popma, Field of Specialization: Ecology and Evolutionary Biology. Dissertation: Deer Browsing Effects on Temperate Forest Biogeochemistry, Plant Community Composition, and Plant Chemistry.

Michael Vernon Potter, Field of Specialization: Mechanical Engineering. Dissertation: Advancing Human Lower-limb Kinematic Estimation Using Inertial Measurement Units.

Alexa Rakoski, Field of Specialization: Physics. Dissertation: Revisiting Unsolved Mysteries: A Journey Into Bulk and Surface Characteristics of Samarium Hexaboride Using Transport Measurements.

Vyas Ramasubramani, Field of Specialization: Chemical Engineering and Scientific Computing. Dissertation: Exploring the Limits of Hard Shape Models for Self-Assembly.

Naomi Sasha Ramesar, Field of Specialization: Chemical Engineering. Dissertation: Engineered Supraparticles and Their Photocatalytic Applications.

Marlon D. Ramos, Field of Specialization: Earth and Environmental Sciences. Dissertation: Physics-based Simulations of Large Earthquake Rupture Processes.

Doctor of Philosophy

Kimberly Charis Ransom, Field of Specialization: Educational Studies. Dissertation: There Are Children Here: Examining Black Childhood in Rosenwald Schools of Pickens County Alabama (1940-1969).

Narathip Reamaroon, Field of Specialization: Bioinformatics. Dissertation: Label Uncertainty and Learning Using Partially Available Privileged Information for Clinical Decision Support: Applications in Detection of Acute Respiratory Distress Syndrome.

Nicole Chase Rockey, Field of Specialization: Environmental Engineering. Dissertation: Novel Approaches to Monitor Virus Fate Through Water Treatment Processes.

Attabey Rodríguez Benítez, Field of Specialization: Chemical Biology. Dissertation: Selectivity Mechanisms Employed by Flavin-Dependent Monooxygenases.

Christine Ann Rygiel, Field of Specialization: Environmental Health Sciences. Dissertation: Perinatal Lead (Pb) Exposure's Effect on DNA Methylation and Hydroxymethylation and Risk of Adverse Neurodevelopmental Outcomes.

Emily Rae Sabo, Field of Specialization: Linguistics. Dissertation: Social Factors in the Production, Perception and Processing of Contact Varieties: Evidence from Bilingual Corpora, Nativeness Evaluations, and Real-time Processing (EEG) of Spanish-accented English.

Anjan Kumar Saha, Field of Specialization: Cancer Biology. Dissertation: The Genetics and Epigenetics of Centromeres in Cancer.

Melody Sanders, Field of Specialization: Chemical Biology. Dissertation: Understanding Transcription through Structural Characterization of the CBP-p53 Transcriptional Coactivator-Activator Complex.

Jared Michael Scott, Field of Specialization: Biomedical Engineering. Dissertation: Temporal Characteristics of High-Frequency Oscillations as a Biomarker of Human Epilepsy.

Bryan Francis Sears, Field of Specialization: Pharmacology. Dissertation: Investigating the Acute and Chronic Effects of Known and Novel Opioid Ligands.

Omar Ashraf Omar Abdelkawy Sediek, Field of Specialization: Civil Engineering and Scientific Computing. Dissertation: Multiscale Simulation and Assessment of the Seismic Resilience of Communities.

Shriya Sethuraman, Field of Specialization: Bioinformatics. Dissertation: Genome-wide Identification of Non-coding Transcription by RNA Polymerase V and Its Involvement in Transcriptional Gene Silencing.

Qicang Shen, Field of Specialization: Nuclear Engineering and Radiological Sciences and Scientific Computing. Dissertation: Robust and Efficient Methods in Transient Whole-Core Neutron Transport Calculations.

Shilva Shrestha, Field of Specialization: Environmental Engineering. Dissertation: Advancing Chain Elongation Technology for Medium Chain Carboxylic Acids Production from Waste Streams.

Benjamin David Silcox, Field of Specialization: Chemical Engineering. Dissertation: Stability and Cyclability Predictions of Redox Active Organic Molecules for Non-Aqueous Redox Flow Batteries.

Derek Jeffery Smith, Field of Specialization: Earth and Environmental Sciences. Dissertation: The Impact of Microbial Interactions and Hydrogen Peroxide on Western Lake Erie Cyanobacterial Blooms.

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Noah Isaac Steinfeld, Field of Specialization: Cellular and Molecular Biology. Dissertation: Roles and Regulation of the Lipid Kinase, Vps34.

Kristefer Stojanovski, Field of Specialization: Health Behavior And Health Education. Dissertation: Systems Science Approaches to Visualize, Model, and Explore Stigma's Role in Socially Patterning HIV Risk Among Gay, Bisexual, and Other Men Who Have Sex With Men (GBMSM) in Europe.

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Doctor of Philosophy

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Shucheng Zhong

Construction Engineering and Management
Michael James Stypa
Leyang Wen

Electrical and Computer Engineering
Matthew Steven Bernath
Justin M. Bi
Srinivasa Cheekati
Chuxuan Chen
Li-Yu Chen
Maggie Y. Chen
Ziyang Chen
Kai Cheng
Nai-Chen Chi
Chenmin Deng
Saravanan Duraiarasan
Leonard Dziubinschi
Samuel Joseph Edwards
Luya Gao
Samuel J. Hall
Sean H. Higgins
Yate Ji
Nicholas Kroetsch
David A. Kucher
Jianqiao Li
Ming Li
Xiuneng Lu
Runchu Ma
Daniel Stephen Manwiller
Amin Masoomzadeh Fard
Jeremy James Maurice
Spencer Richard Scott Miller
Shashank Mohankumar
Robert Cletus Pilat
Sudharshna Radhakrishnan
Nikhil Ramachandra
Celine A. Schlueter
Mingshuo Shao
Alec Thomas Socha
Isabel Grace Taylor
David Gerald Waier
Chia-Ming Wang
Yunjie Wang
Jack S. Wisbiski
Yuanfeng Wu
Yujia Xie
Bingwen Yang
Michelle Yi
Guoqin Yin
Puneeth Yogananda
Nicholas J. Young
Paul Young
Samuel S. Zayed
Hanbo Zhang
Haochen Zhang
Zihan Zhang

Environmental Engineering
Peter Joseph Bongiorni
Yi Cao
Kaitlyn Gah Yee Chin
Travis Adrian Dantzer
Estefania Escobar
Kate Harrison
Brittany Brown Hicks
Tongxing Hu
Kori Ashely Johnson-Lane
Kaylin Jones
Changyoon Jun
Qiyan Liu
Maxwell K. Moore
Kelly Ni
Kirk Gareth Olsen
Julia M. Raneses
Kaleb Alaister Smith
Hang Song
Runmin Xiao

Industrial and Operations Engineering
Luca Eugenio Angelino
Adrien Beaufils
Joe Bertha
Mansi Bhupendra Bhatt
Samuel Birch
Mark J. Bobrovnikov
Thomas James Bondurant
Andrew Chiang
Haley Elise Clafton
Charles G. Coutteau
Lauren Lindley Czerniak
Marina Engstrom
Nolan K. Feeny
Claire Elizabeth Foley
Kyle Thomas Grell
Stuart R. Hart
Yifeng He
Meitong Hu
Spencer H. Keoleian
Yifan Li
Klara Mateju
Sasanka Mouli Neti
Cross H. Pagano
Sejin Park
Joshua Piepszowski
Patrik Thomas Schuler
Akshay Seth
Richard Maximilian Smith

Master of Science in Engineering

Industrial and Operations Engineering

Tessa Swanson
Kamolnat Tabattanon
Adriana Nichole Termaat-Matthews
Jason Scott Thompson
Allison Jean Vanderstoep
Yunong Wei
Seung Ho Woo
Carol Denise Yin
Dingni Zhao

Materials Science and Engineering

David Clinton Allen
Steel Nagila Cardoza
Ganlin Chen
Ryan Nicholas Fattal
Fenghe Fu
Jiajie Li
Yu-Ho Lin
Javier Eduardo Lopez-Nieto
Yu-Hung Luan
Yanjun Lyu
Brendan Casey Miles
Mayme Elizabeth Philbrick
Alexander Thaddeus Pielack
Max Corey Rotenberg
Sujay Shah
David Speer
Mohsen Taheri Andani
Leonardo Vallejo
Nicole Jiao Wang
Jiamin Wen
Chao Wu
Yuchen Wu
Zhixiong Yin
Mojue Zhang
Zane Zhang
Zijing Zhang

Mechanical Engineering

Michael Anthony Apone
Estefania Avila-Anchondo
Anubhav Bhatt
John Richard Burke
Yide Cai
Tianrui Chai
Chi-Sheng Chen
Shihao Cheng
Cansu Fatma Doganay
Gavin Campbell Everson
Amanda Doris Farthing
Michael Fisher
Jeremy Andrew Goldhawk
Benjamin J. Hesse
Matthew Hildner
Allison Michelle King
Hannah Marie Larson
Ung Hee Lee
Lucki Li
Xiao Li
Xi Lin
Spencer Patrick Linn
Yen-Wei Liu
Kely Jo Markley
Sean C. Mudge
Sangam Viren Munsiff
Huy Quyen Ngo
Lea E. Russo
Maria C. Schiavone
Ryan D. Shanahan
Xu Shang
Xiang Shen
Anand Singh
Joseph Solomon
David Stanton
Courtney Videchak
Zhaoguo Wang
Peter Westra
Allison Karen White
Youngsun Wi
Qiya Yang
Daniel Yu
Jiadi Zhang
Min Zhu

Naval Architecture and Marine Engineering

Rachel Marie Bielski
Samuel Birch
Thomas James Bondurant
Andrew Britton
Samuel Joseph Edwards
Shayan Gholami
Kyle Thomas Grell
Jeb T. Hamel
Max Gerald Meyerson
Elaine Phillips
Matthew C. Pienta
Charles W. Schertzing
Maggie F. Stagner
Candace Rose Wiwel
Carol Denise Yin
Brendan Thomas Zauel

Nuclear Engineering and Radiological Sciences

Leah Margorite Clark
Isaac Gabriel Dabkowski
Abhijit Jassem
Jeemin Michael Lee
Ricardo López
Aaron Thomas Arlyn MacDonald
A. Westley McMillan
Jordan David Noey
Shinjae Park
Deep Rakeshbhai Patel
Eric John Pearson
Nicholas John Peskosky
Rodrigo Marcio Rovner
Di Sun
Kyle Christopher Vaughn

A. ALFRED TAUBMAN COLLEGE OF ARCHITECTURE AND URBAN PLANNING

Founded in 1913, Jonathan Massey, Dean

Certificate of Graduate Studies

Healthy Cities
Leonymae Aumentado

Real Estate Development
Tom Bagley
Carly Dietz
Christian Ford
Roland Sha-Ron Gainer
Andrew Joseph Liskowitz
Nathan Cole McBurnett
Kristin Marie Mixon
Abbie Marie Probst
David Milton Sernick
Anna Bronwyn Shields
Alexander Thomas Sulek

Urban Informatics
Gloria Gyakari
Jessica Yelk

Master of Science

Architecture
Alaa Algargoosh
Jieqiong Wang

Master of Urban and Regional Planning

Urban and Regional Planning
Keyana Aghamirzadeh
Damian Arnaiz
Pierre Leorheza Bagenda
Tom Bagley
Gage Michael Belko
Rowan James Brady
Cassandra Waters Byerly
Mekarem Eljamal
Roland Sha-Ron Gainer
Ziyi Guo
Christian Hunter
Neeli Kakal
Nadia Maria Karizat
Carly Madison Keough
Aaron Palmer Krusniak
Clare V. Kucera
Christopher Ian LeFlore
Nathan Cole McBurnett
Edwin Latimer Peart
Rosanna Ren
Anna Bronwyn Shields
Hannah Grace Smith
Anna Maria Thompson
James VanSteel
Nani A. Wolf
Alexander James Wrocklage
Beatrix Yan
Jessica Yelk
Ziqian Yin
Yujie Zhang

SCHOOL OF EDUCATION

Founded in 1921, Elizabeth Birr Moje, Dean

Certificate of Graduate Studies

Learning Experience Design
Nicholas Frank Garza

Master of Arts

Educational Leadership and Policy
Nita Asha Kedharnath
David James Kobel
Valentina Palomer
Colin Roberts
Yezenia G. Sandoval

Educational Studies
Philip Michael Abdoo
Brandi Elise Barton
Abbey Bradley
Alyssa La'Dawn Brandon
Kendall Elaine Buie
Zoe Danielle Eiber
Bailey Ernst
Jingyang Li
Kayla Manley
Paula Manrique Gómez Pfeffer
Dante Kenneth-Nathaniel Michael
Benjamin Loran Tupper
Josie Whelan
Zhou Zhang

Higher Education
Samuel Kaser
Terrance Terrell McQueen
Alison Rivett
Jordan Dean Ross
Meaghan Wheat

STEPHEN M. ROSS SCHOOL OF BUSINESS

Founded in 1924, Scott DeRue, Edward J. Frey Dean of Business

Master of Arts

Business Administration
Piotr Marek Rozwalka

SCHOOL FOR ENVIRONMENT AND SUSTAINABILITY

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

Certificate of Graduate Studies

Industrial Ecology
Hannah Fetner
Aniket Yadav

Sustainability
Ebony Desiree Johnson
Mollie Elizabeth Karasch

Master of Landscape Architecture

Landscape Architecture
Yanning Gao
Meng Jia
Yan Li
Zhelin Li
Yanling Mo
Rachelle Soudriette Roake
Eva Durand Roos
Katharine Shiffler
Sara Steenbergh
Chuhan Xing

Master of Science

Environment and Sustainability
S. Akash
William Robert Aycock
Abe Baca
Sarah Elizabeth Bellaire
Aditya Benyamin
Shannon Blair
Isabella Giovarelli Bledsoe
Zoe Bliss
Larry Darnell Borum III
Rachael Anna Carlberg
Alan Ching
Paul Christianson
Danielle Cohn
Ayana Naomi Curran-Howes
Santhi Davedu
Vanessa Decker
Savanna Amelia Delise
Julie Dellick
Prachiti Rajendra Dhamankar
Joseph Mark Dierdorf II
Teresa Dorado
Bianca Lyons Dragone
Emily Amber Dusicska
Jacqueline Abril Edinger
Jessica Lauren Einck
Maite Elizondo Pineiro
Elena Lawton Essa
Grant Faber
Amanda Doris Farthing
Hannah Fetner
Tess Eileen Fields
Gabriel Gadsden
Yanning Gao
Helena Garcia
Madison Goff
Jon Gorter
Victoria Elizabeth Graves
Sierra Rae Green
Anna Greenberg
Kimberly Chen Guo
Sondra Lynn Halperin
Robert Hart
Stephanie Anne Hefelfinger
Allyson Holman
Celina Horbat
Ryan James Horwitz
Megan Rochelle Houle
Juan Jhong Chung
Meng Jia
Kori Ashely Johnson-Lane
Mengqing Kan
Sebastian E. Kasparian
Desmond Kirwan
Adriane M. Kline
Roshan Krishnan
Madeleine Lane
Marissa S. Lazaroff
Michael Viet Trung Le
Seneca Nicole Lee
Luyao Li
Yan Li
Zhelin Li
Zhengyu Li
Zijun Li
Zitong Liao
Kiana Lindsay
Shannon Lloyd
Ashley Danielle Lorinsky
Kyle J. Lough
Bethany M. Louria
Kathryn Maloney
Ellary Christine Marano
Kely Jo Markley
Bella Mayorga
Trevor McCarty
Gavin McGregor
Laura Katharina McNeil
Stephen James McShane
Weiye Mei
Christopher Thomas Merchant
Yanling Mo
Catherine Curran Mullin
Logan Phillip Murphy
Miye Lynette Nakashima
Iqra Nasir
Conner Elias O'Brien
Osemudiame Michael Jrn Onolememen
Daphne Melisa Onsay
Lavran Dain Pagano
Inigo Peng
Stephanie Marie Peters
Marta Plumhoff
James Anthony Polidori

SCHOOL FOR ENVIRONMENT AND SUSTAINABILITY

Master of Science

Environment and Sustainability
Paige Marie Porter
Christine Marie Purdy
Vineeth Jason Putti
Alicia Quilici
Emily Marie Rau
Rosanna Ren
Andrew Leslie Richardson
Eva Durand Roos
Paige Victoria Schurr
Elliott Schwab
Matt Sehrsweeney
Sanghamitra Sen
Yiwen Shao
Emma Casparis Sloan
Lynn Socha
Gwyndolyn Carrie Sofka
Madeline Justine Somers
Shelby Rae Stadler
Sara Steenbergh
Samantha F. Stokes
Chenyang Su
Kathy Xuan Sun
Cara Beth Thuringer
Dani Jimella Triebwasser
Anna Urso
Dana N. Van Huis
Gabby Vinyard
Carol Waldmann Rosenbaum
Meiye Wang
Jennifer Michelle Wardell
Colin Daniel Welk
Briana Wendland
Josie Whelan
Spenser Leslie Robert Widin
Tiffany Wu
Wanying Wu
Xinjie Wu
Chuhan Xing
Aniket Yadav
Ruimin Yang
Yifan Zhang

Natural Resources and Environment
Katherine Cunningham
Jennifer Lynne Fuller
Xiaomao Wang
Michael Hans Weiss
Annalisa Marie Wilder

SCHOOL OF MUSIC, THEATRE & DANCE

Founded in 1940, David A. Gier, Dean

Certificate of Graduate Studies

Music Theory Pedagogy
Julian Lee Pegram

Master of Arts

Music Composition
Dustin Michael Dunn

SCHOOL OF PUBLIC HEALTH

Founded in 1941, F. DuBois Bowman, Dean

Master of Science

Biostatistics
Grace Narelle Bosma
Yile Chen
Yixin Chen
Kyuseong Choi
Olivia Jane Conway
Xuelin Gu
Nicholas George Hartman
Xinwei He
Miriam Hu
Yiyuan Huang
Ralph Liao Jiang
Linyi Jin
Suqi Ke
Jenni Kim
Sahiti Kolli
Weixin Kuang
Madeline Duncan Kwicklis
Chengyun Li
Qinmengge Li
Yajing Li
Jaewon Lim
Zikai Lin
Qiuhua Liu
Jasmine Alexandria Mack
Courtney Morgan
Jeffrey David Okamoto
Nathaniel Caleb Osher
Zhongzhe Ouyang
Margaret Helene Prentice
Soumik Purkayastha
Yichen Si
Yuxuan Sun
Lyna Truong
Chang Wang
Di Wang
Mukai Wang
Sidi Wang
Marianthie Wank

SCHOOL OF PUBLIC HEALTH

Master of Science

Biostatistics
Edmund Papke Wooldridge
Tian Xie
Kangping Yang
Chenyi Yu
Guanghao Zhang
Leyao Zhang
Bangyao Zhao
Peiyao Zhao
Litian Zhou

Clinical Research
Alec Bernard
George Andrew Cholack
Lia Delaney
Matthew Henry
Charles Albert Keilin
Avonlea Rochelle Rickerson
Kendrick J. Williams

Clinical Research Design and Statistical Analysis
Khaled Alshabani
Rishi Chanderraj
Michael P. Combs
Nicole Eneida Curci
Weena Chioma Ekechukwu
Christopher M. Fung
Ronald Ramon Gavidia Romero
Asad Ghafoor
Valerie Gunchick
Gita Gupta
Nicholas Eric Harrison
Cindy Hsing-Liang Hsu
Tasha Kaiser
Janet Kandrevas
Allen Lee
Brendan Michael McCracken
Elizabeth Manjie McMahon
Peter Sassalos
Ryann Elizabeth Sohaney
Nathaniel Rogin Sznycer-Taub
Junior Uduman
Yoshie Umemura
Mark Thomas Vander Lugt

Environmental Health Sciences
Sydni Claire Warner
Emily Nicole Zheutlin

Nutritional Sciences
Nyahon Both
Molly Marie Paschall
Yujie Peng
Jiale Ren

UNIVERSITY OF MICHIGAN-FLINT

Founded in 1956, Debasish Dutta, Chancellor

COLLEGE OF ARTS AND SCIENCES

Master of Arts

Liberal Studies
Krystle D. Thorn

Master of Public Administration

Lynise M. Barbee
Dana K. Baumgart
Haywood J. Edwards, Sr.
Jeffery C. Giddings
Patricia M. Joly
Sharde K. Jones
Jeffry D. Parks
Joshua Q. Young

UNIVERSITY OF MICHIGAN-DEARBORN

Founded in 1958, Domenico Grasso, Chancellor

COLLEGE OF ARTS, SCIENCES, AND LETTERS

Master of Public Administration

Vanessa Joyce Mayesky

Master of Science

Applied and Computational Math
Kevin Michael Liddy
Patrick D. Montgomery
Danielle Nicole Mulka
Anthony Wang

Environmental Science
Andrew John Byks
John F. Fennessey III
Amanda Kristen Marshall

COLLEGE OF ENGINEERING AND COMPUTER SCIENCE

Master of Science

Computer and Information Science
Ilyas Ahmed
Abderrahmen Amich
Madhumitha Balaji
Joshua Kane Caldwell
Rohan Ajaykumar Desai
Joel Robert Gluch
Jahnavi Gutta
Martin Jacob Hobby
Ismat Jarin
Joshua Roy Keeler
Manjula Dhondiba Khot
Balasubramanyam Kondur
Vinayaka Manjunatha Malya
Deepak Mysuru Heeranna
Andrew W. Nicholson
Shantanu Roy
Sindhu Sathyanarayana
Dhwani Ketan Shah
Juhi Singh
Priyanka Sukhija
Rasagna Vaka

Cybersecurity and Information Assurance
Sangeetha Daram

Data Science
Mohammed Ashraf Abdul Jaleel
Prachi Dasharath Bhopatrao
Sonal Sunil Bhor
Kapotaksha Das
Venkata Bamleshwar Loka Aditya Phani Kandikuppa
Nikhila Kavuru
Ke Liu
Manisha Mishra
Renjith Gopalakrishnan Nair
Dikshit Anand Nama
Kevin Michael Peters
Aishwarya Nitin Ponkshe
Jerome Joshua Santhakumar
Harshita Shivaramakrishna
Sanjyot Thete
Pratul Ujjwal
Zifei Wang
Sai Teja Goutham Prasad Yarlagadda

Engineering Management
Ahmed Ahmed Samhan
Numan Altaweel
Zahra Hussein Badaoui
Rachel Frances Bahl
Brogan Tiel Beyette
Gary J. Ceuninck
Lara K. Currie
Christopher Michael Deptula
Samuel J. Friedman
Brandon Kevin Heeg
Abigail A. Henning
Thirthesh Hirisave Somashekar
Katherine Holcomb
Brendan Russell Jenkins
Justin L. Mackey
Eric Thomas Martin
Brian C. McCartney
Michael Steven Parr
Kyle Dean Pierce
Ryan Peter Reitsma
Venkataramanan Rengasamy
Jonathan Manuel Roman-Sanchez
Pruthak Haridas Shah
Nathan Allen Soley
Michael Szczesniak
Kevin Paul Toth
Matthew James Wolfe
Courtney Lynn Wright

Human-Centered Design and Engineering
Muzadded Sani Abdullah
Calandra Yvette Berry
Ayah Hamad
Nimisha Jain
Andrew Miles Lozon
Bhavana Madam Sampangiramu
Brian Edward Mason
Christopher E. McDowell
Kamari K. Morse
Hyunjae Park
Hyunjoo Park
Jack Spencer Ruggless
Afeefeh Seblini
Shayla Smalls

Information Systems and Technology
Darshana Srikant Khadke
Mitchell David Nusbaum
Asma Ul Husna Subhan
Snehal Anil Ukarande
Bianca N. Ward

Program and Project Management
Ali A. Alsoofi
Michael Frank Berent
Excel Great Chukwurah
Tamera L. Harwood
Kyle Alan Hewlett
Jamey L. Hyland
Briana D. Johnson
Rami N. Saad
Lilith Danae Villafana
Lin Ye

UNIVERSITY OF MICHIGAN-DEARBORN

Master of Science

Software Engineering

Jiann-Cherng Chi
Abdullah El-Haik
Chao-Jia Leu
Cesare J. Lorenzetti
Arunakumari Meruva
Anjali Rajan Mulye
Cameron Michael Nickert
Mohamed Rammal
Mark Jacob Rust
Tyler Skene
John C. Tunisi

Master of Science in Engineering

Automotive Systems Engineering

Syed Adil Ahmed
Giri Sudhir Aigalikar
Manthira Moorthy Akila Rajan
Shivendra Anand
Steven Baltau
Ronal Mookalamada Belliappa
Liam Gregory Buckley
Zhiyi Cheng
Preet Rajesh Christian
Rachel A. Deodhar
Mohamed El-Sawah
Varon Immanuel Fernandes
Pablo Alejandro Gutierrez-Allende
Saif Hussain
John Keepers
Prashant Khandelwal
Heeseong Kim
Vedant Kochar
Naveen Reddy Kunduru
Varun Madhavan Loganathan
Kunal Luharuwala
Sai Vamsi Krishna Nindra
Jash Patel
Brendon Phelan
Fredrick Vinothkumar Philip Karunakaran
Anne Renee Pinlac
Hari Prasad Ramachandran
Akarsh Ravishankar
Akhil Reddy Sabhapathi
Gaurav Sadawat
Vikas Shivaprasad
Viswanath Sundharavadivel
Shawn Robert Turek
Max S. Vancil
Mark W. Voytilla
Robert William Walsh
Xian Wang

Computer Engineering

Yeswanth Kumar Chilamkurthy
Benjamin Michael Dale
Mohammed Mustufa Jawaid
Samyuktha Krishnaraj
Benjamin Roytburd
Prithvi Thimmanayakanahalli Bachireddy
Daniel Aaron Zajac

Electrical Engineering

Eric A. Anderson
Karthik Arabandi
Ali Bader Badreddine
Saigeeth Bellam
Leah Nicole Busch
Rachel Lynn Couvreur
Tyler George Demski
Nathaniel Evenhouse
Brandon Michael Fedoruk
Zirun Gu
Ayeh Ahmad Hazime
Raymond Leevi Hyder
James Chiemeka Isioma
Venkata Pavan Kumar Karodi
Benjamin M. Lauzon
Zhengru Li
Jiaming Liu
Brian Thomas Longhurst
Wing Lun Ma
Matthew Anthony Majkowski
Michael McClain Navarre
Anali Ashok Patil
Tian Qin
Nathan Lewis Rinderer
Zaid Hussien Shaheri
Ryan J. Sharkey
Anthony Thomas Spoto
Sagarika Sriram
Safwan A. Thabet
Keval Thaker

Energy Systems Engineering

Christopher Mark Blanchet
Richard Brady Eckenrode
Bilal Khalil Hussein
Mrinal Jha
Melissa Ann Schwager

Industrial and Systems Engineering

Namariq Al Riyami
Nived Edasserivallapil Ashok Kumar
Chirag Basavaraju
Rachel E. Budry
Rohitash Dubey
Maulik Gala
Aditya Kamlesh Gandhi
Annie McKenna Goetz
Yuchi Guo
Tyler D. Hamilton
Rushikesh Vishnu Khedekar
Anish Srikanth Kulkarni
Bhargav Sai Lanka
Akshay Manjunath
Seshan Ragavendra Meenakshi Sundaram
Atique Salim Mulla
Adnan Nazir
Luke Niewiadomski
Sagar Paramanand Patel
Harish Prakash
Sumal Raichur
Vaibhav Shashikumar Raut
Justine Reed-Sandum
Vinit Sanjaykumar Shah
Viraj Vijay Tulaskar
Navyasree Vadlamudi
Santosh Prabhakar Yerramsetty

Manufacturing System Engineering

Santhi Swaroop Chinni
Evan A. Hadd
Tiangang Luo
Matthew William Maier
Arihant Pramod Phade
Benjamin Stoelzel

Mechanical Engineering

Itoro S. Atakpa
Jay Steven Bains
Alex Buzgau
Wei Cao
Paul Richard Darling
Zachary E. Dubiel
Alexander John Ferencz
Mario John Gagnon
Migel Hernandez Garcia
Jorge Martinez Garibay
Lindsay Marie Clark
John Paul Gillis
Atharv Atul Godhamgaonkar
Osama Habbal
Cale David Hyzer
Brek Justin Jeffrey
Matthew S. Lahiff
Zachary Robert Machinchick
James B. McGovern, Jr.
Frank Merino
Pavan Kumar Mummadi
Danielle Nicole Page
Avinash Reddy Prodduturi
Jonathen D. Robey
Abdul-Aziz Sayed
Farhan Shahbuddin
Veeraj Vishwanath Shet
Andrew Phillip Stanny
Mark Hyoichi Teramoto
David Demetrius Thomas
Selina Emilia Thompson
Biao Zhang

PENNY W. STAMPS SCHOOL OF ART & DESIGN

Founded in 1974, Gunalan Nadarajan, Dean

Master of Design

Integrative Design
Keesa V. Johnson
Najwat Rehman
Larrea Young

SCHOOL OF KINESIOLOGY

Founded in 1984, Lori Ploutz-Snyder, Dean

Certificate of Graduate Studies

Physical Activity and Nutrition
Gengfu Dong
Yujie Peng
Jiale Ren
Heather L. Williams
Tao Zhang
Jiahui Zhao

Master of Science

Movement Science
Meg Ann Darmofal
Austin Tyler Davis
Gengfu Dong
Alexandra Murray
Allyson Leigh Sovis
Tao Zhang
Jiahui Zhao

Sport Management
John Brennan
Matthew Ethan Frey
Tyler Luskin
Gwen Elizabeth McMahon
Christian Romano Molfetta
William Searles Proctor
Samuel Reck
Nicholas Lake Schanhals
Trey Thomas
Che-Chen Wu

GERALD R. FORD SCHOOL OF PUBLIC POLICY

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

Certificate of Graduate Studies

Science, Technology, and Public Policy
Rebecca Chaya Ackerman
Kelsey Anne Diffley
Sarah E. Gruen
Ryan James Horwitz
Aaron Y. Kurz
Kyle Nocona Sanders
Lirong Shi
Lynn Socha
Cara Beth Thuringer
James VanSteel

Master of Public Affairs

Ethan David Baker
Anna Therese Balzer
Karli Boulware
Anne Coglianese
Thomas Cruz
Stephanie Kaye Iovan
Jamie Lyons-Eddy
Christopher Bryan McClain
Rebekah Ostosh
Julia Rhodes
Lamiya Sharafkhanova
JoMeca L. Thomas
William John Whelan

GERALD R. FORD SCHOOL OF PUBLIC POLICY

Master of Public Policy

Rebecca Chaya Ackerman
Ruqayya Ahmad
Mallak Ali Anani
Monika Irene Anderson
Jonathan Handley Ashken
Leonymae Aumentado
Capri Backus
Maggie Barnard
Aditya Benyamin
Ali M. Berri
Sheron Brown
Christopher Alvarez Campbell
Cristian Casanova
Sidi Cheng
Alison Marie Christiansen
Samuel Thomas Conchuratt
Rebecca Copeland
Kellen Datta
Carolina Dominguez
Chadd Levi Dowding
Jerome Anthony Durden II
Nishat Farzana
Kevin Finnegan
Yanjing Fu
Ameya Vijay Ganpule
Eli Kabir Gold
Sarah E. Gruen
Shiyu Guo
Sophia Elisabeth Hart
Wendy Hawkins
Baltazar Hernández
Samuel Hird
Sungwook Huh
Kseniya Husak
Kyle Douglas Jarrett
Jaclyn Elise Kahn
Maxwell Charles Kaufman
Emma Kern
Jaeyeon Kim
Sunhong Kim
Andrew Krantz
Jocelyn Kuo
Christopher Ian LeFlore
Tory Lowy
Dedrick McCord
Safiya Merchant
Erik Muliawan
Landon Steven Myers
Iqra Nasir
Nathaniel Ojo
Meghan Schroeder O'Leary
Tanya Rose Omolo
Edwin Latimer Peart
Lauren Alexandra Peisach
Avril Erika Prakash
Karolina Ana Ramos
Victor Rateng
Christen Jade Richardson
Sarah Helen Richardson
Mathew William Rigdon
Jonathan Jesús Rodríguez
Danny Rosa
Hannah Rosenfeld
Julie Rubin
Orlando Sanchez Zavala
Mariatu Funna Santiago
Mariam Sayeed
Matt Sehrsweeney
Alex Benjamin Serwer
oSha Shireman
Marianna Lynn Smith
Thomas Prescott Staines
Kai Su
Eleanor Margaret Sullivan
Ziyou Sun
Nida Ahmed Syed
Jessica Taketa
Kalena Senta Celine Thomhave
Sarah Truax
Mai Ze Vang
James VanSteel
Connor Wakayama
Alex Drew Weaver
Michael Hans Weiss
Kelly Wilcox
Annalisa Marie Wilder
Wanzhuo Yang
Triana Yentzen Toro
Mohammad Akbar Zadran
Jingwen Zhang

UNIVERSITY OF MICHIGAN GRADUATES

August 2021

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

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

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

Certificate of Graduate Studies

Museum Studies
Rashun J. Miles

World Performance Studies
Kelly Ann Hirina

COLLEGE OF LITERATURE, SCIENCE, AND THE ARTS

Founded in 1841, Anne Curzan, Dean

Certificate of Graduate Studies

Medieval and Early Modern Studies
Emmamarie Catherine Haasl

Women's Studies
Tugce Kayaal

Master of Arts

Romance Languages and Literatures Spanish
Claudio Salvador Aguayo Borquez

Statistics
Brooke Nichole Wolford

Master of Science

Ecology and Evolutionary Biology
Aurelia Amber Allen
Lijun Zhao

Mathematics
Subramaniam Balakrishna

Psychology
Kaitlin Paxton Ward

Quantitative Finance and Risk Management
Rulin Qiao

MEDICAL SCHOOL

Founded in 1850, Marschall S. Runge, Dean

Master of Science

Biological Chemistry
Qiwei Lei

Health and Health Care Research
Dana Carole Beck
Abhishek Shenoy
Anthony Tolentino

Health Infrastructures and Learning Systems
Yidan Cao
Catherine E. Irwin
Kristian Donald Stensland

Human Genetics
Bradley Cutler

Physiology
Drew Christopher Casey
Melanie Elliott
Alexander Ian Engleberg
Norah Claire Fanning
Laura Lynn Geneseo
Haikel Yohannes Haile
Taryn Jean Hayes
Emily Ann Heinrich
Hiba Jouni
Rachel Elizabeth Koshko
Stephen Daniel Krafchak
Ellen Lauinger
Lesley Li
Giovanni LoGrasso
Claire Olivia Mikulski
Morgan Alexandra Minelli
Nathan James Mortensen
Kumail Ali Naqvi
Johnathan Nguyen
Michella Lee Parlett
Nicholas G. Peck-Dimit
Katelin JoAnna Roth
Maggie Elizabeth Schumborg
Alayna Schwartz
Andrew Frederick Vastardis
Amanda Victory
Robert Wright
Mitchell Guo Wu
Gabrielle Young

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Master of Science

Dental Hygiene
Khulood Majed Aboalsaud
Heather Marie Lawler
Kristin M. Peltz
Kali Trumitch
Anne Marie Wang

Endodontics
Zaid A. AlYasiri
Sahil Manhas
Indaiá Soares Leibovitch

Orthodontics
Fangdi Cong

Periodontics
Andrea Ravida

Prosthodontics
Valentina Coelho
Anne Katherine Press

COLLEGE OF PHARMACY

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Master of Science

Integrated Pharmaceutical Sciences
Noha M. Beleh
Bhanuz Dechayont
Nick Econom
Dipali Patel
Alysha Iris Reichel
Kaikai Wang

COLLEGE OF ENGINEERING

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Master of Science

Biomedical Engineering
Hind AlYahya

Design Science
Andrew K. Boskovich
Abby Marie Chapin
Manahil Hashmi
Jen Nwuli
Jennifer Rhau
Alyssa Tong Spickermann
Adeline M. Steffen
Madeline K. Trevisan

Master of Science in Engineering

Biomedical Engineering
Jin Heon Jeon

Environmental Engineering
Jeremy Richard Nyitrai

A. ALFRED TAUBMAN COLLEGE OF ARCHITECTURE AND URBAN PLANNING

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Master of Science

Architecture Design and Research
Mackenzie Ann Bruce
Gabrielle Blanche Morel Clune
Ben Lawson
Colleen Ludwig
Sarah Grace Nail
Mehdi Shirvani
Ruxin Xie

Master of Urban and Regional Planning

Urban and Regional Planning
Lindsey Dowswell

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Certificate of Graduate Studies

Learning Experience Design
Leiming Ding
Amber Nikole Goodwin
Burnett Efitu Vave

Master of Arts

Educational Leadership and Policy
Jessica Amey
Alexander Harris, Jr.

Educational Studies
Sabrina Carmen Alafita
Madeline Haley Alpert
Fatema Emad Alqamoussi
Matthew Joseph Anderson
Sharlee Briana Anucinski
Brittany Rose Arthur
Bergen Bauer
Gregory Alan Beamish
Harry Berkowitz
Grace Ella Bianco
Austin Bierema
Riley Kate Branigan
Lisa Mariana Brown
Mitchell Brown
Hai Cao
Christiana Diane Castillo
Eunkyoung Cha
Anne Elise Cohen
Fanta Coulibaly
Amelia Christina Cowan
Olive M. DeCaprio
Leiming Ding
Katherine Delaney Dodge
Margaret Doele
Madelynn Christine Drikakis
Andres Javier Malik Elamin-Martinez
Carolyn Ann Evans
Shannon Fitzpatrick
Shana Flanary
Amber Nikole Goodwin
Sarah Greer
Lauren Suzanne Harrington
Lindsay Helfman
Tone I. Holland
Ella Horwedel
Sarah Nicole Jackson
Hanna Rose Kadlec
Olivia Jean Kagan
Julia Rachel Karant
Rachel Lynn Kitchens
Jessica Lynn Kosticak
Daniel Oscar Kratt
Sarah Anne Kushner
Michael Ryan Kutsch
Megan Lashbrook
Jacob Matthew Lee
Elana Rachel Leflein
Alexandra Nicole Leppek
Joshua Isaac Levine
Timothy James Lilienthal
Crystal Lin
Victoria Elizabeth Lindenfeld
Julia Maxwell
Edwin Joseph Mayes
Sarah Kathleen Meath
Keenan Patrick Thomas Mullaney
Nathan James Nickolai
Elizabeth Nussbaum
Mavia Parveen
Lauren Kathleen Perry
Austin Joseph Peters
Brianna Peurach
Johanna Marie Polzin
Luciana Si-Wei Qu
Amanda Robertson
Daniel James Ryan
Natalie Sanford
Sarah Catherine Schierberl
Scott Stewart Schiff
Madeleine Rose Spreitzer Schoeni
Olivia Sciore
Andrew Atilano Smutek
Emily Stiffler
Leah Elizabeth Sulecki
Aled Roberts Tien
Stephanie R. Ulloa
Burnett Efitu Vave
Matthew Beale Willig
CiCi Zou

Higher Education
Heidi Bennett
Mark C. Holmgren
Helen Olga Sdvizhkov
Leslie Akua Asah Tetteh

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Environment and Sustainability
Matthew Steven Aumeier
Samuel Kalb
Jeremy Richard Nyitrai
Ali Surdoval
Michael David Westcott

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Master of Fine Arts

Dance
Melissa Brading

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Master of Science

Clinical Research
Rohan K. Achar
Ahya Sajawal Ali
Juno Cho
Tiffany Yung-Shin Hu
Anthony Mack

Environmental Health Sciences
Sueun Park

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Founded in 1956, Debasish Dutta, Chancellor

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Master of Arts

Liberal Studies
Rachel A. Strickland

Master of Public Administration

Maya V. Price
Tionna T. Watkins

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Master of Fine Arts

Art
Christine Bruening
Nathan Andrew Byrne
Rey Jeong
Benjamin Caleb Winans

GERALD R. FORD SCHOOL OF PUBLIC POLICY

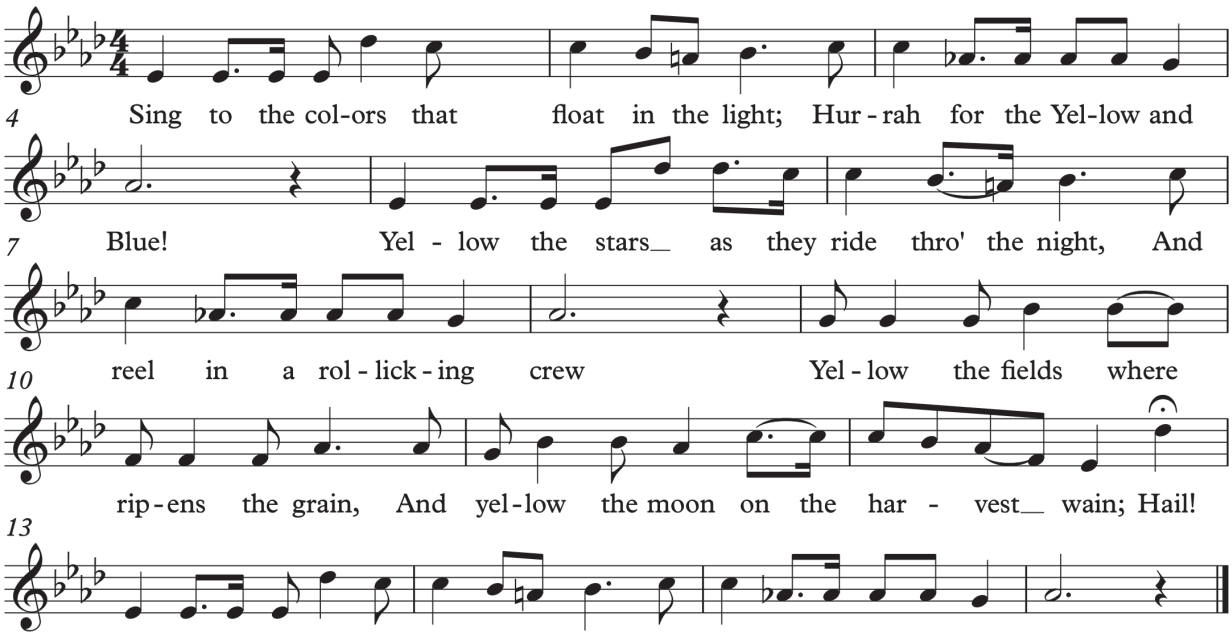
Founded in 1914, Michael S. Barr, Joan and Sanford Weill Dean of Public Policy

Master of Public Affairs

Lindsey Dowswell
Hailey Jures

The Yellow and Blue

Michael W. Balfe



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UNIVERSITY OF MICHIGAN

The Yellow and Blue

Sing to the colors that float in the light;
Hurrah for the Yellow and Blue!
Yellow the stars as they ride through the night
And reel in a rollicking crew;
Yellow the field where ripens the grain
And yellow the moon on the harvest wain;
Hail!
Hail to the colors that float in the light
Hurrah for the Yellow and Blue!

The Victors

Hail! to the victors valiant
Hail! to the conqu'ring heroes
Hail! Hail! to Michigan
the leaders and best
Hail! to the victors valiant
Hail! to the conqu'ring heroes
Hail! Hail! to Michigan
the champions of the West!