Honoring the Class of 2021
 Candidates for graduate degrees are recommended jointly by the Executive Board of the Horace H. Rackham School of Graduate Studies and the faculty of the school or college awarding the degree. Following the School of Graduate Studies, schools are listed in order of their founding. Candidates within those schools are listed by degree then by specialization, if applicable.

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A preliminary list of August 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 (*).*
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Sarah Hubbard
Denise Ilitch
Ron Weiser
Katherine E. White
Mark S. Schlissel
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Ann Arbor
Ann Arbor
Okemos
Bingham Farms
Ann Arbor
Ann Arbor
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University of Michigan-Flint
Chancellor
University of Michigan-Dearborn
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Gerald R. Ford School of Public Policy

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Anne Curzan  Dean, College of Literature, Science, and the Arts

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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
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, 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 faculty member 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.

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<tr>
<th>Josh Ackerman</th>
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DISSERTATION CHAIRS

Ken Powell  
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Venkat Raman  
Lutgarde M. Raskin  
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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  
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Andrzej Tomasz Wierzbicki  
Krista Wigginton  
Jean D. Wineman  
Trisha Wittkopf  
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.
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.

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.

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.

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.

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.
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.

Doctor of Philosophy

Shanice Battle, Field of Specialization: Epidemiological Science. Dissertation: Power, Place and Mental Health: Pathways between Neighborhood Vulnerability and Depressive Symptoms.
Marc Rudolf Becker, Field of Specialization: Chemistry. Dissertation: Development of New Methods Involving Strained Heterocycles.
Michael Booth, Field of Specialization: Health Behavior And Health Education. Dissertation: Cognitive Impairments in Immune-Mediated Inflammatory Diseases.
Doctor of Philosophy


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


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


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.


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


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.


Doctor of Philosophy

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


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


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


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.


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.


Doctor of Philosophy

Jacob Crossman Johnson, Field of Specialization: Molecular and Integrative Physiology. Dissertation: Sensory Regulation of Lifespan in Drosophila. 


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


Samantha Rose Lapehn, Field of Specialization: Chemical Biology. Dissertation: High-Throughput Sensory Regulation of Lifespan in Drosophila. 

HaeEun 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. 


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.


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.


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


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


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


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.

Doctor of Philosophy


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


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.


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


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

Doctor of Philosophy


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


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


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.


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


Sean Tanzey, Field of Specialization: Medicinal Chemistry. Dissertation: Novel Approaches to PET Imaging Neurodegeneration.


Audrey Elizabeth Tolbert, Field of Specialization: Chemistry. Dissertation: Fully Selective Pb(II) Templated Heterotrimeric Redox and Hydrolytic Metalloenzymes.
Doctor of Philosophy

Erica Elizabeth Twardzik, Field of Specialization: Kinesiology and Epidemiology. Dissertation: Optimizing Post-Stroke Functioning: Using Mixed Methods to Understand the Role of Built and Social Environments for Physical Activity, Quality of Life, and Lived Experience.


Aaron White, Field of Specialization: Physics. Dissertation: Searches for the Rare Decay of the Higgs Boson to Two Muons and for New Physics in Dilepton Final States with the ATLAS Experiment.


Wenhao Xu, Field of Specialization: Physics. Dissertation: Observation of W W Production in Proton-Proton Collisions at $s = 13$ TeV with the ATLAS Detector.


Yu Yao, Field of Specialization: Robotics. Dissertation: Collection and Analysis of Driving Videos Based on Traffic Participants.


Chengwei Zhai, Field of Specialization: Industrial and Operations Engineering. Dissertation: Simulating Long-Term and Short-Term Community and Infrastructure Vulnerability and Response to Natural Hazards.


Chunyi Zhao, Field of Specialization: Chemistry. Dissertation: Development of Collision Induced Unfolding for the Study of Large Multiprotein Complexes.


Certificate of Graduate Studies

Computational Discovery and Engineering
Xianghao Chen
Huiwen Jia
Daeho Kim
Zhengyu Li
Che-Yi Liao
Sabrina Rachel Lynch
Qi Wang
Xian Yu

Master of Science

Chemical Biology
Majd Abuaita
Danya Alkhawaji
Fatima Almusawi
Madeline Carla Mattice
Michelle Nguyen
Ahmad Jamil Sabbagh
Maximilian Wagner
Survey and Data Science
Abdelaziz Adawe
Curtiss Wayne Engstrom
Jiangzhou Fu
Boy Li
Mao Li
Xuefei Li
Junhan Tang
Tianheao Wang
Ziheng Zhang
Survey Methodology
Jesus Alberto Arrue Buendia
RJ Batas
## Certificate of Graduate Studies

### Cognitive Science
- Mana Heshmati
- Chia-Wen Lo

### Judaic Studies
- Sam Noah Shuman

### Museum Studies
- Ayana Naomi Curran-Howes
- Susan Michelle Dine
- Allan A. Martell

### Science, Technology, and Society
- Joseph Richard DeLeon
- Elizabeth Ann McNeill
- Bassam F. Sidiki
- Stephanie Eileen Triplett

### World Performance Studies
- Margaret Brennan

## Master of Arts

### Anthropology
- Paloma Contreras
- Angie Feak
- Søren Kristoffer Frykholm

### Anthropology and History
- Salman Adil Hussain

### Applied Economics
- Peiwei Zhang
- Zekun Zhao
- Xiaoyang Zhu

### Asian Studies: Japan
- Lauren Cooper Guz

### Classical Studies-Greek
- Amanda Marie Kubic

### Classical Studies-Latin
- Erin Rose Haney

### Economics
- Lea Jeanette Bart
- Jingyuan Cui
- Billy Haoyang Huang
- Erin Corsi Markiewitz
- Nikhil Rao
- Carolina Tojal Ramos dos Santos
- Florian Trouvain
- Anirudh Singh Yadav

### English Language and Literature
- Sydney Misako Owada
- Torre Nicole Puckett
- Scott Michael Reel
- Joey Joon Song

### History
- Günay Kayarlar
- Paige Alexis Newhouse
- Lediona Shahollari

### History of Art
- Madeleine Jean Aquilina
- Dylan Volk
- Sandra Sue Williams
- Youngshin Yook

### Interdisciplinary Program in Transcultural Studies
- Samantha Briggs Dunlap
- Alyson Elizabeth Grigsby
- Casper Kazor
- Nathan Walter Wojcik
- Elizabeth Gabrielle Byara Wood

### International and Regional Studies
- Jun Ai
- Jessie Bakitunda
- Tere Josephine Elizalde
- Sophie Ayumi Hasuo
- Joshua Chun Wah Kam
- Shohei Kawamata
- Nicholas Xavier Kolenda
- Emma Selene Staats Lerman
- Elinor Lindeman
- Haralambos James Missler

### Linguistics
- Lauretta Sze Pui Cheng

### Modern Middle Eastern and North African Studies
- Mekarem Eljamal

### Philosophy
- Justin Asay Barney
- Laura Katherine Soter

### Political Science
- Hayden Jackson
- Princess Hope Williams

### Romance Languages and Literatures French
- Gala Patenkovic
- Adam Benjamin Smith
Master of Arts

Romance Languages and Literatures Spanish
Hannah Hussamy

Sociology
Minha Noh

Southeast Asian Studies
Mai Ze Vang

Statistics
Elnaz Kabir
Esmaeil Keyvanshokooh

Master of Fine Arts

Creative Writing
Dur e Aziz Anna
Catalina Bode
Christopher Anthony Crowder
Maya E. Dobjensky
Serena Monique Dobson

Ayokunle Falomo
Connor Arthur Greer
Nathan Kweku John
Anna Majeski
Julia McDaniel
Nadia Marie Mota

Andrew Nelles
Kashona Notah
Catherine Valdez
Matthew Wamser

Master of Science

Applied and Interdisciplinary Mathematics
Jorge Arce-Garro
Joanne Dong
Oscar Gonzalez
April Nellis
Chuhao Sun

Tianci Liu
Yue Liu
Yuyao Liu
Ming-Chen Lu
Xiru Lyu
Weijie Pan
Xiaohan Qiu
Benjamin W. Rappoport
Yanhun Si
Ziyi Song
Xinghua Tao
Karen Wang
Xiao Wang
Yujia Wang
Yuying Wang
Xinran Wu
Xinrui Wu
Jingwen Xiao
Yi Yi Xu
Yuan Zeng
Lei Zhang
Sijun Zhang
Yueyang Zhang
Zhe Zhao
Shichao Zhong
Wenjing Zhou

Jiaqi Shen
Anna Danielle Spoto
Matthew Joseph Whalen
Ina Zaimi

Applied Physics
Isak Olai Johnson

Applied Statistics
Katherine Ahn
Kali Aloisi
Ajanae Nicole Bennett
Zhijun Cai
Loc Quynh Cao
Jingxian Chen
Tianqi Chen
Yichao Chen
Daxuan Deng
Ryan Elizabeth Duncan
Zhilan Fan
Haonan Feng
Yilin Feng
Hao He
Zhilin He
Eric Hernandez-Montenegro
Zhijun Hua
Zheng Jing
Suppapat Korsurat
Moeki Kurita
Chuwen Li
Enhao Li
Huayu Li
Wenjing Li
Diana Liang
Lee-Yang Lin
Ting-Wei Lin
Benhan Liu
Bowen Liu
Shichao Liu

Chemistry
Christian Oscar Alvarez
Ariana Caiati
Rebecca Fantone
Nicholas Frank Garza
Frances Gu
Matthew Richard Lasky
Jianxin Liu
Maiko Judy Lunn
Elizabeth Catherine Manickas
Danielle Nicole Maxwell
Ruby May Miller
Maria Teresa Morales Colon
Alexander J. Postmaa
Jiayu Ren

Jiayu Ren
Anna Danielle Spoto
Matthew Joseph Whalen
Ina Zaimi

Data Science
Anshul Aggarwal
Palash Biswas
Fenglong Cai
Xianghao Chen
Yue Du
Ting Gong
Zeyuan Hu
Pingxuan Huang
Yanisa Kaewkhao
Yin Kwong John Lee
Ernest Seong-Woo Leem
Zhengyu Li
Kunsheng Lyu
Senwei Ma
Hisamitsu Maeda
Aravind Mantravadi
Weiye Mei
Nick Paris
Yuyou Qian
Kyle William Schulz
Shangquan Sun
Alyssa Katherine Wisk
Gang Yang
Hongxin Yang
Yue Yu
Zhewen Zhang
Xijian Zhao
Yicheng Zhou
Haofeng Zhu
Joshua Adam Zimmer

Earth and Environmental Sciences
Jacob M. Okun
## Master of Science

### Ecology and Evolutionary Biology
- Brianna Mae Mims
- Simone Oliphant
- Sarah Orth
- Juanita Pardo Sanchez
- Anjali Wilson Shakya
- Joyah Alise Watkins
- Whitney Ann White

### Molecular, Cellular and Developmental Biology
- Paola Carrillo
- Shipra Garg
- Heather Marie Gregg
- Emma Kathryn McLean
- Timothy Mladenovic
- Jowana A. Obeid
- Annie M. Taylor
- Lewis Woodard

### Mathematics
- Samuel Nathan Baltz
- Emilee Cardin
- Junshan Chen
- Haoyue Chu
- Sijia Geng
- Annaliiese Elaine Keiser
- Aaditya Lakshmanan
- Swaraj Sridhar Pande
- Dengwang Tang
- Naicheng Wu
- Shoucheng Yu
- Chengshuo Zhang
- Christopher Zhang

### Physics
- Ibrahim Chahrour
- Nan Cheng
- Joshua William Foster
- Jem Aizen Guhit
- Nicholas Graves Kyriacou
- Taigao Ma
- Owen Fischer Puls
- Haley Rebecca Reid
- Robert Saskowski
- Xiaohan Wan
- Yinying Zhang
- Lingxiao Zhou

### Psychology
- Mena Kanani Davidson
- Arielle LaVonne Ewing

### Quantitative Finance and Risk Management
- Christopher Wenyi Chen
- Xiaotong Duan
- Qihaq Hu
- Yangqing Li
- Donghua Liu
- Hiroyuki Makino
- Heqian Song
- Tian Tian
- Hongyu Wang
- Changmin Xu
- Lechuan Yin
- Mingqi Yin
- Zijin Zhang
- Shiyan Zhou
- Zeyu Zhou

## Medical School

### Founded in 1850, Marschall S. Runge, Dean

### Certificate of Graduate Studies

#### Cellular Biotechnology
- Haley Minami Amemiya

#### Precision Health
- Jacque Adams
- Hee Jae Choi

### Master of Science

#### Bioinformatics
- Haley Minami Amemiya
- Wenjia Cao
- Ashna M. Lalwani
- Yueming Li
- Yingtong Liu
- Abhijit Parolia
- Anand S. Shankar

#### Biological Chemistry
- Alexandria Anastasia Chabez
- Jarred Howard
- Macy Leigh Lozen
- Ivan Federico Mier

#### Quantitative Finance and Risk Management
- Juan Manuel Nevarez
- Rachel Nicholas
- Deepa M. Raghavan
- Sebastien Rauch
- Eleese Kay Timiney
- Ying-Ting Weng
MEDICAL SCHOOL

Master of Science
Genetic Counseling
Hiam Mohamed Abdel-Salam
Farid Barquet Ramos
Madison Nicole Donald
Nicole Margaret Huser
Eva Schuette Kahn
Andrew James McKeon
Kaegan Mestel
Michael Luis Restrepo
Frances Rose Richardson
Austin Whitted
Julie Ann Wood

Health and Health Care Research
Carole Elodie Aubert
Amanda Page Bettencourt
Stephen Michael Gorga
John David Ike
Tsovinar Sorkin
Valeria Valbuena

Health Infrastructures and Learning Systems
Muhammad Ghaus

Human Genetics
Dominic Bazzano
Sophia E. Spencer

Microbiology and Immunology
Jiaxin Chen

Pharmacology
Mohammed Zalmout

COLLEGE OF PHARMACY
Founded in 1876, Bruce A. Mueller, Interim Dean

Master of Science
Medicinal Chemistry
Garrett Theodore Dow

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

Certificate of Graduate Studies
Data Science
Loubna Baroudi
Mark J. Bobrovnikov
Wenjia Cao
Zijin Chu
Michael I. Demidenko
Shiyu Guo
Yifeng He
Kai-Yuan Ke
Kristen Li
Qiyan Liu
Deep Rakeshbbhai Patel
Kishore Premkumar
Jaekwang Shin
Hang Song
Iris M. Wang
Meiye Wang
Yuxin Wang
Zihan Wang
Noah J. Weaverdyck
Youji Wu
Runmin Xiao
Yanlin Xiao
Lanxi Xu
Chengshuo Zhang
Hanren Zhang
Yuan Zhang
Lingxiao Zhou
Kaiyue Zou

Plasma Science and Engineering
Mario D. Balcazar Munoz-Reyes

Master of Science
Biomedical Engineering
Courtney Leah Adams
Uzair Alam
Fatimah Mohammed S. Alkaabi
Evan Daniel Cummings
Shmuel Yeshaya Forta
Maria Guido
Kendrick Hougen
Sarthak Kumar
Yang Liu
Lin Lu
Steven Tyler McComis
Ryan Allan McVicar
Spencer William Morris
Preston Pan
Annie M. Taylor
Anthony Michael Vrotsos
Peter Alexander Walczyk
Miao Wang
Zibo Yan
Hongying Yu
Lizhong Zhang
Master of Science

Industrial and Operations Engineering
Wei Wang
Lanxi Xu
Ziang Xu
Xuerui Yang
Bin Yao
Chengdong Zhang
Peiwei Zhang
Suyang Zhang
Yujie Zhang
Zekun Zhao

Nuclear Engineering and Radiological Sciences
Harun Ardiansyah
Gabriella Anna Bruno
Sharul Sreekumar
Rigoberto Vazquez, Jr.

Robotics
Anand Asokan
Shreshtha Basu
Nalin Bendapudi
Shreyas Naveenchandran Bhat
Manas Jyoti Buragohain
Anviksha Reddy Busa
Chao Chen
Po-Kang Chen
Weijia Chen
Xin Chen
Ting-Sheng Chu
Oscar Ignacio de Lima
Yidong Du
Lu Gan
Annet Boban George
Scott Matthew Hirsch

Macromolecular Science and Engineering
Jiayue Huang
Huiling Li

Naval Architecture and Marine Engineering
Ericka Elizabeth Lozon
Peter Joshua Rohrer
Juhan Wang
Jacob Thomas Woeste

Master of Science in Engineering

Aerospace Engineering
Divyang Mayank Amin
Yifu An
Shubham Annaldas
Tyler James Baker
Sahil Bhola
Dan Card
Treyton Chambers
Zhuoying Chen
Sae Hyun Cheon
Guilherme Costa Nascimento
Juan Sebastian Cruz
Alexander George Cucos
Victoire Atalante Alizee de Brosses
Philippe Marie Matthieu Dufour
Cole Smith Gibbs
Shuheng Liu
Dan Maguire
Gillian Suzanne McGlothlin
A. Westley McMillan
David John Morley
Anal Parakh
Alex Philpott
Kishore Premkumar
Grant Remell
Jose Fernando Rojas Sanchez
Hiren Saravana
Shivank Sharma
Archana Sridhar
James Michael Stieber
Yukun Sun
Alexander James Thompson
Jake Truske
Dionysios Vasilopoulos
Kangjin Wang
Andrew K. Wong
Stephen J. Wright
Ziwei Yang
Mingfei Ye
David Yoon

Biomedical Engineering
Kalana S. Athukorala
Devin A. Beach
Logan Ryan Bye
Ivo H. Cerda
Ammar Syed Chishti
Weihong Chou
Kelly Marie Crumley
Lucretia Cucereavii
Amanda M. Dang
Raymond S. Engle
Emily Jieshang Fu
Lindsey Mei Furness
Saumya Gupta
Tabitha Faith Hendren

Linyi Jin
Preeti Mandyam Kannapan
Blake Matthew Karwoski
Minzhe Li
Anthony Liang
Wei-Chun Lu
Ruikun Luo
Akshay Mathur
Timothy Michael Ohtake
Xiangyu Peng
Neha Girish Pusalkar
Nitish Sanghi
Rishi Nath Sethil
Varun Satyadev Shetty
Pradeep Suresh
Sangi Teng
Sumukha Vighneshwara Udupa
Juhan Wang
Ziyou Wu
Weifan Zhang
Hao Zhou
Rachel Lauren Herster
Sara Hopper
Sami M. Ismail
Paige Brianna Jackson
Amolak Singh Jhamb
Thomas A. Lancaster
Adam Weber Yin Ley
David Alejandro Mendez
Cyrus Najarian
Nicholas Nunu
Jacqueline Elizabeth O’Driscoll
Jordan Lynee Page
Thomas Paul
Jenny Qu
Raahul Ravi
Benjamin J. Roth
Jordan Ayn Sengenberger
Samuel J. Shrift
Annabelle Elizabeth Telle St. Pierre
Truman Michael Stovall
Reesha Sanjay Talati
Mallak H. Taleb
Seth Taylor Teague
Gowri M. Viswanathan
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<tr>
<td>Hannah Fetner</td>
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## Master of Landscape Architecture

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<td>Rachelle Soudriette Roake</td>
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<td>Eva Durand Roos</td>
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<th>Name</th>
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<td>Rebecca Chaya Ackerman</td>
<td>Baltazar Hernández</td>
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<td>Aditya Benyamin</td>
<td>Jaeyeon Kim</td>
<td>Alex Benjamin Serwer</td>
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<td>Ali M. Berri</td>
<td>Sunhong Kim</td>
<td>oSha Shireman</td>
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<td>Sheron Brown</td>
<td>Andrew Krantz</td>
<td>Marianna Lynn Smith</td>
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<td>Christopher Alvarez Campbell</td>
<td>Jocelyn Kuo</td>
<td>Thomas Prescott Staines</td>
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<td>Cristian Casanova</td>
<td>Christopher Ian LeFlore</td>
<td>Kai Su</td>
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<td>Sidi Cheng</td>
<td>Tory Lowy</td>
<td>Eleanor Margaret Sullivan</td>
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<td>Alison Marie Christiansen</td>
<td>Dedrick McCord</td>
<td>Ziyou Sun</td>
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<td>Samuel Thomas Conchuratt</td>
<td>Safiya Merchant</td>
<td>Nida Ahmed Syed</td>
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<td>Rebecca Copeland</td>
<td>Erik Muliawan</td>
<td>Jessica Taketa</td>
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<td>Kellen Datta</td>
<td>Landon Steven Myers</td>
<td>Kalena Senta Celine Thomhave</td>
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<td>Carolina Dominguez</td>
<td>Iqra Nasir</td>
<td>Sarah Truax</td>
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<td>Chadd Levi Dowding</td>
<td>Nathaniel Ojo</td>
<td>Mai Ze Vang</td>
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<td>Jerome Anthony Durden II</td>
<td>Meghan Schroeder O'Leary</td>
<td>James VanSteel</td>
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<td>Nishat Farzana</td>
<td>Tanya Rose Omolo</td>
<td>Connor Wakayama</td>
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<td>Kevin Finnegan</td>
<td>Edwin Latimer Peart</td>
<td>Alex Drew Weaver</td>
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<td>Yanjing Fu</td>
<td>Lauren Alexandra Peisach</td>
<td>Michael Hans Weiss</td>
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<tr>
<td>Ameya Vijay Ganpule</td>
<td>Avril Erika Frakash</td>
<td>Kelly Wilcox</td>
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<td>Eli Kabir Gold</td>
<td>Karolina Ana Ramos</td>
<td>Annalisa Marie Wilder</td>
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<td>Sarah E. Gruen</td>
<td>Victor Rateng</td>
<td>Wanzhuo Yang</td>
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<tr>
<td>Shiyu Guo</td>
<td>Christen Jade Richardson</td>
<td>Triana Yentzen Toro</td>
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<tr>
<td>Sophia Elisabeth Hart</td>
<td>Sarah Helen Richardson</td>
<td>Mohammad Akbar Zadran</td>
</tr>
<tr>
<td>Wendy Hawkins</td>
<td>Mathew William Rigdon</td>
<td>Jingwen Zhang</td>
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</tbody>
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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

Human Genetics
Bradley Cutler

Physiology
Drew Christopher Casey
Melanie Elliott
Alexander Ian Engleberg
Norah Claire Fanning
Laura Lynn Genesee
Haikel Yohannes Haile
Taryn Jean Hayes
Emily Ann Heinrich
Hiba Jouni
Rachel Elizabeth Koshko
Stephen Daniel Krafchak
Ellen Lauinger
Lesley Li

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

Giovanni LoGrasso
Claire Olivia Mikulski
Morgan Alexandra Minelli
Nathan James Mortensen
Kumail Ali Naqvi
Johnathan Nguyen
Michelle 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
SCHOOL OF DENTISTRY
Founded in 1875, Laurie K. McCauley, Dean

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
Founded in 1876, Bruce A. Mueller, Interim Dean

Master of Science

Integrated Pharmaceutical Sciences
Noha M. Beleh

Bhanuz Dechayont
Nick Econom
Dipali Patel

Alysha Iris Reichel
Kaikai Wang

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

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
Founded in 1913, Jonathan Massey, Dean

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

SCHOOL OF EDUCATION
Founded in 1921, Elizabeth Birr Moje, Dean

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 Horvedel
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
SCHOOL FOR ENVIRONMENT AND SUSTAINABILITY
Founded in 1927, Jonathan T. Overpeck, Samuel A. Graham Dean

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

SCHOOL OF MUSIC, THEATRE & DANCE
Founded in 1940, David A. Gier, Dean

Master of Fine Arts
Dance
Melissa Brading

SCHOOL OF PUBLIC HEALTH
Founded in 1941, F. DuBois Bowman, Dean

Master of Science
Clinical Research
Rohan K. Achar
Ahya Sajawal Ali
Juno Cho
Tiffany Yung-Shin Hu
Anthony Mack
Environmental Health Sciences
Sueun Park

UNIVERSITY OF MICHIGAN-FLINT
Founded in 1956, Debasish Dutta, Chancellor

COLLEGE OF ARTS AND SCIENCES

Master of Arts
Liberal Studies
Rachel A. Strickland

Master of Public Administration
Maya V. Price
Tionna T. Watkins
PENNY W. STAMPS SCHOOL OF ART & DESIGN
Founded in 1976, Gunalan Nadarajan, Dean

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

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

Yellow the stars as they ride thro' the night, And reel in a rol-lick-ing crew

Yellow the fields where rip-ens the grain, And yel-low the moon on the har-vest wain; Hail!

Hail to the col-ors that float in the light; Hur-rah for the Yel-low and Blue!
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Comments? Contact us at rackhamgraduateexercises@umich.edu
The Yellow and Blue
Sing to the colors that float in the light;
Hurrah for the Yellow and Blue!
Yellow the stars as they ride through the night
And reel in a rollicking crew;
Yellow the field where ripens the grain
And yellow the moon on the harvest wain;
Hail!
Hail to the colors that float in the light
Hurrah for the Yellow and Blue!

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