



FALL COMMENCEMENT

FRIDAY, DECEMBER 20, 2019
SATURDAY, DECEMBER 21, 2019

IOWA STATE UNIVERSITY

Dear Iowa State University Graduates and Guests:

Congratulations to all of the Fall 2019 graduates of Iowa State University!



Welcome to Iowa State University's Fall 2019 Commencement. Congratulations to all of the graduates, and thank you to everyone who played a role in their successful journey through Iowa State.

Commencement is an opportunity to reflect on what you have learned and to celebrate your achievements. Every single graduate has been a valued and important member of the Iowa State community. We are a better university because of the diverse, positive contributions you have made during your time here. We thank you for the many ways you have enhanced our campus – both inside and outside the classroom, and we wish you the very best as you begin your next chapter.

Iowa State is now in its 161st year as the state's only land-grant university. We are proud to be one of the most student-centered public research institutions in the country. Through our distinct mission of education, research, and extension, Iowa State is preparing students for fulfilling careers and lives and for meeting the needs of society. Iowa State graduates will become the professionals, entrepreneurs, and leaders of our state, nation, and world; and their future accomplishments will reflect the exceptional quality of this university. As you graduate today, we thank you for being a part of this wonderful tradition and for supporting Iowa State's legacy of excellence.

I hope you enjoy today's commencement ceremony, and that you will continue to be connected with Iowa State University. We wish you great success and happiness.

Sincerely,

A handwritten signature in black ink that reads "Wendy Wintersteen". The signature is written in a cursive, flowing style.

*Wendy Wintersteen
President of the University*

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Listing in this program is not proof of graduation.*

IOWA STATE UNIVERSITY POINTS OF PRIDE

Profile Information:

- » Iowa State became the nation's first land-grant institution when the Iowa Legislature accepted the provisions of the 1862 Morrill Act.
- » Iowa State is a member of the Association of American Universities (AAU), which consists of 62 leading research-intensive universities in North America.
- » Iowa State has eight colleges that offer bachelor's degree programs, master's degree programs, and Ph.D. level programs, plus a professional degree program in Veterinary Medicine.
- » The Iowa State Research Park is a hub for transferring faculty research and innovation to economic opportunities: eighty-nine companies employ 2,050 people and 300 student interns.
- » Iowa State experienced a 35 percent enrollment growth between 2008 and 2017 and is proud to educate students from all 99 Iowa counties, all 50 states, and 127 countries.
- » Iowa State's athletic teams compete in Division I of the NCAA and are a founding member of the Big 12 athletic conference.
- » More than 254,000 Iowa State alumni live in all 50 states and 149 countries.

Excellence in Research at ISU:

- » A legacy of innovation and discovery:
 - The world's first electronic, digital computer
 - The world's first moving tornado simulator
 - The world's highest resolution, immersive virtual reality lab
 - A supercomputer, Cyence, that blazes through more than 183 trillion calculations per second
 - The nation's first research and demonstration farm for biomass production and processing
- » External funding topped half billion dollars last year
- » Iowa State researchers attract nearly a quarter million dollars from federal, nonprofit, and industry sponsors, who look to Iowa State for innovative and ground-breaking discoveries that solve real problems for Iowa and the world.
 - Researchers are engineering nanovaccine therapies that will be more effective, safer, and cheaper, and that do not require refrigeration, so they can help control disease in areas without reliable electricity.
 - Researchers are adding value to agriculture by creating new biorenewable chemicals from agricultural bioproducts.
 - Researchers are leveraging data from our Veterinary Diagnostic Lab to understand what strains of flu are emerging in real time for swine.
 - Researchers are helping to improve our justice system by quantifying the reliability of matches for shoe prints and bullets.

- Researchers are discovering new materials that make airplanes lighter and more reliable.
- » Iowa State's Veterinary Diagnostic Laboratory is internationally recognized and plays a direct role in protecting animal and human health, the safety and security of our food supply, and advancing Iowa's \$32 billion animal agriculture economy. It is the nation's largest and busiest full-service diagnostic lab for food animals. The lab processed 86,000 cases last year, conducting more than 1.25 million diagnostic tests.



Excellence in Education at ISU:

- » COLLEGE OF AGRICULTURE AND LIFE SCIENCES: The college boasts a record-high 99.2 percent placement rate for graduates within six months of graduation. Placement rates have been 97 percent or higher for more than 20 years, and the college's Career Day is the largest annual student job fair of its kind in the nation.
- » IVY COLLEGE OF BUSINESS: A \$50 million gift from Debbie and Jerry Ivy ('53 industrial administration) named us the Debbie and Jerry Ivy College of Business in October 2017. This is the largest gift in the college's history. At the time, only 14 other business schools in the country had received a larger gift.
- » COLLEGE OF DESIGN: Everything you see, every minute of every day, is likely the product of disciplines that live, work, and play together "under one roof" in the College of Design. In this environment, students learn to collaborate to solve very complex problems, merging the poetic and the pragmatic of our lives.
- » COLLEGE OF ENGINEERING: The college delivers a high-quality experiential-based education to a record number of students. The college has the

largest undergraduate and graduate enrollment on campus, and it ranks 7th largest for undergraduate engineering enrollment in the country.

- » **COLLEGE OF HUMAN SCIENCES:** The college is developing fireproof clothing for emergency responders, preparing PK-20 educators who teach in every Iowa county, reducing substance abuse, improving food safety, delivering the world's largest dietetics internship program, and advancing diet and exercise science.
- » **COLLEGE OF LIBERAL ARTS AND SCIENCES:** The college introduced a data science minor and certificate, which enhances any degree at Iowa State. Current students and graduates can obtain the skills to visualize, interpret, and communicate data – skills which are among the highest in demand by employers in nearly every industry.
- » **GRADUATE COLLEGE:** The Graduate College prioritizes the development of the communication skills of students pursuing master's and doctoral degrees. The college's Center for Communication Excellence provides a wide range of innovative, evidence-based services to enhance essential writing and speaking skills.
- » **COLLEGE OF VETERINARY MEDICINE:** The college is the nation's first public veterinary school, is one of only 30 in the U.S., and is the 2nd largest. The college focuses on animal and human health, food safety, and animal welfare to the benefit of animal agriculture, economic development, and the health and well-being of humans and their animals.

Excellence in Extension and Outreach at ISU:

- » Annually, more than 1 million people directly benefit from Iowa State University Extension and Outreach programs focused on feeding people, keeping them healthy, helping their communities prosper and thrive, and turning the world over to the next generation better than we found it.
- » ISU Extension and Outreach offers front-door access in all 99 counties connecting the needs of Iowans with Iowa State University research and resources.



ISU Alumni Association:

- » The ISU Alumni Association was founded by the first graduating class (1872) of Iowa State College.
- » The ISU Alumni Association is the second-largest membership alumni organization in the Big 12 Conference.

Rankings:

- » No. 1 (Iowa), top 12 percent (U.S.) best college value, Money Magazine.
- » No. 2 graduate and No. 3 undergraduate program, agricultural and biosystems engineering, U.S. News and World Report, 2019.
- » Top 25 graduate programs (public universities), aerospace; chemical; civil; computer; electrical/electronic; industrial and manufacturing systems; and materials engineering, U.S. News and World Report, 2019.
- » Best value in U.S., Graduate College (No. 5) and criminal justice program (No. 9), Value Colleges, 2017.
- » No. 1 (Midwest) and No. 3 (U.S.) fashion merchandising program, Fashion Schools.
- » No. 8 (U.S.) landscape architecture programs, No. 18 (U.S.) interior design, No. 23 (U.S.) architecture, Design Intelligence.
- » No. 30 (public universities) student engagement, Wall Street Journal/Times Higher Education.
- » No. 2 Best Colleges for Software Engineering and No. 2 Best Colleges for Marketing Degree Programs, Schools.com, 2018.
- » No. 1 Best 4-Year Colleges in Iowa, Schools.com, 2018.
- » College of Agriculture and Life Sciences ranks in the top 4 percent worldwide for agricultural programs, QS World University Rankings.
- » Ames, Iowa, is No. 2 on Livability's 2018 Best College Towns list.

THE OFFICIAL UNIVERSITY MACE

Sculptor Jeanne L. Stevens-Sollman of Bellefonte, Pennsylvania, designed and crafted the mace and presidential chain of office used in Iowa State University's formal academic ceremonies. The complementary pair of bronze and silver ceremonial items are on display in the Alumni Center as part of University Museums' Art on Campus collection.

The mace symbolizes the authority of the university president. The chief faculty marshal carries it at the head of the academic procession and, by placing it on its stand, signals the beginning of the ceremony.

Created in bronze, silver, and tiger maple, Iowa State University's mace is an interpretation of the campanile. The bronze headpiece features two campus landmarks – the Campanile and Christian Petersen's Fountain of the Four Seasons—and a silver presidential seal inscribed with "Iowa State University—Science With Practice." The tiger maple staff bears bronze plaques inscribed with the names of all previous Iowa State presidents and their years of service. The mace is 60 inches long and weighs 14 pounds.



THE PRESIDENTIAL CHAIN OF OFFICE

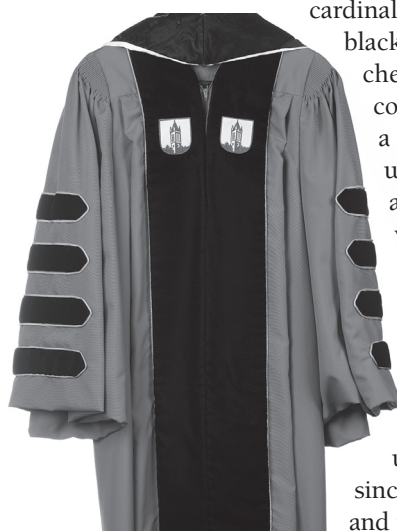
The presidential chain of office symbolizes the rich history and traditions of Iowa State University. It features an image of the Campanile on the front. On the back is a representation of Beardshear Hall, home to the president's office. The columns of Beardshear form the shoulder epaulets, inscribed with "leadership" and "service." The Campanile-inspired links in the presidential collar contain the words "engagement," "learning," "discovery," and "access." The reverse sides of the bronze sections feature low bas reliefs of corn.

The mace and first presidential chain of office ("Monile Praesidis Maximus") was commissioned by University Museums and the ISU Alumni Association in 2008. The second presidential chain ("Monile Praesidis Secundum"), a proportionally smaller version commissioned by University Museums in 2018, was supported by an anonymous donor and Carole A. and Roger E. Custer.



ACADEMIC REGALIA

In May 2008, Iowa State University debuted custom-designed doctorate regalia. The special commencement doctorate gowns were created with emblems and colors to reflect Iowa State's tradition and to complement Iowa State's hood. The fabric is



cardinal red gabardine with black velvet panels and chevrons edged with gold cording. The Campanile, a beloved symbol and university tradition, adorns the two front velvet panels. An eight-sided black velvet tam with a gold silk tassel completes the official regalia.

Academic gowns have been part of the university experience since the twelfth century and the advent of the first European universities.

Because these early schools were connected to great cathedrals, the black gown of the schoolmasters, or scholastics, emulated the somber dignity of the clergy and signified a life devoted to learning. In addition, the ample materials of the gown served to keep the scholars warm in the drafty environment of the medieval university.

A confusing array of caps, gowns, and hoods emerged from the centuries in Great Britain and from early years of higher education in the United States. American institutions recognized the need for a standard code and the great majority of academic costumes now worn in the United States are in accordance with the general provisions of the Intercollegiate Code of 1895. This code was slightly

revised in 1932 and again in 1959. Under this code, the bachelor's gown has pointed sleeves; the master's gown has oblong sleeves with an arc at the bottom; and the doctor's gown has bell-shaped sleeves.

The code dictates that bachelor's and master's gowns are untrimmed. However, the doctor's gown is faced down the front with velvet and has three bars of velvet across the sleeves.

The square shape of the scholar's cap or mortarboard is thought to denote the stability of scholars and their books. Candidates for advanced degrees wear black tassels. The following is a list of tassel colors for baccalaureate degree candidates:

Agriculture and Life Sciences – *Maize*

Business – *Nugget*

Design – *Brown*

Engineering – *Orange*

Human Sciences – *Maroon*

Liberal Arts and Sciences

Bachelor of Arts – *White*

Bachelor of Liberal Studies – *White*

Bachelor of Music – *Pink*

Bachelor of Science – *Golden Yellow*

Veterinary Medicine – *Gray*

The hood gives color to the academic costume while its length indicates the wearer's academic degree. At Iowa State, hoods are worn by master's and doctorate degree recipients. Hoods were added to the official academic attire of master's degree recipients in May 2018. In general, hoods are made of a wide panel of black cloth, matching the gown and are lined with satin in the official academic colors of the institution awarding the degree.

Iowa State University's colors are cardinal and gold, therefore, the top half of the lining is gold and the lower part is cardinal. The colors used in the edging of hoods and tassels are associated with the discipline.

HOODING CEREMONY, DOCTOR OF PHILOSOPHY

The Doctor of Philosophy is the university's highest academic degree, awarded only to those who have successfully completed an intensive and demanding course of study whose primary focus is on learning to conduct original research.

The final stage of the program is the preparation and defense of a dissertation that describes the outcome of a major research project. To prepare for that project, the student must have gained expertise and skills in a particular discipline and must have thoroughly explored its existing knowledge base. Those who receive doctorates have demonstrated that

they are truly experts in their fields whose research has contributed significantly to human knowledge.

The hooding ceremony symbolizes their admission to the exclusive ranks of those who have earned the respect associated with the title "Doctor of Philosophy." During the hooding ceremony, the degree recipients are escorted and hooded by their major professors who have worked with them throughout their study for the doctoral degree. The hoods will connect the graduate with a family of scholars throughout history and from all parts of the world.

SPECIAL RECOGNITION, ADVANCED DEGREES

Candidates for graduation for the Master's or Ph.D. may be recognized with the Teaching Excellence Award or the Research Excellence Award.

The Teaching Excellence Award recognizes those who provided outstanding contributions in teaching undergraduate students while working toward a graduate degree.

The Research Excellence Award recognizes those with outstanding research accomplishments in a graduate program.

Honorees for both awards wear cardinal and gold honor cords and are noted in this program as follows:

§ Research Excellence Award

†† Teaching Excellence Award

SPECIAL RECOGNITION, UNDERGRADUATE DEGREES

Candidates for undergraduate degrees may be recognized for graduating "With Distinction" and/or graduating in the Honors Program. Levels of special academic achievement are indicated in the commencement program by Latin phrases, also known as Latin honors. This system is recognized internationally; however, the requirements vary among institutions. In the United States, Latin honors are most often awarded to those earning undergraduate degrees. Each academic institution sets its own standards and requirements for each honor.

At Iowa State University, candidates for graduation with distinction must have completed 60 semester credits of coursework at ISU at the time they graduate, including a minimum of 50 graded credits. Those graduating summa cum laude (with highest distinction) have earned a grade point average of 3.90 or higher; magna cum laude (with great distinction) have a grade point average of 3.70 to 3.89; or cum laude (with distinction) have a grade point average 3.50 to 3.69. Grade point averages are based on a 4.00 scale. In addition to the notation

in the commencement program, this recognition appears on the official transcript and diploma.

The University Honors Program is an individually planned program of study designed to provide greater depth and breadth of scholarship than the regular curriculum. Those graduating from the University Honors Program have designed and completed an individualized program of study, including an independent Honors Research Project, while earning a required minimum grade point average or better.

Students graduating with special recognition will wear a cord and/or medallion and will be noted in this program as follows:

*** Summa Cum Laude – with highest distinction (cardinal and gold cord)

** Magna Cum Laude – with great distinction (gold cord)

* Cum Laude – with distinction (cardinal cord)

† Honors Program (medallion)



Fall 2019

Graduate College
Commencement Ceremony
7:00 p.m., Friday, December 20, 2019
James H. Hilton Coliseum

GRADUATE COLLEGE COMMENCEMENT PROGRAM

7:00 p.m., Friday, December 20, 2019, James H. Hilton Coliseum

President Wendy Wintersteen, B.S., Ph.D., Presiding

Processional

Pomp and Circumstance.....Edward Elgar

The Star-Spangled Banner

Francis Scott Key
arr. by Michael Golemo
Samantha Schmitz, Vocalist

Opening Remarks

President Wendy Wintersteen

Commencement Address

José Rosa,
Professor of Marketing &
John and Deborah Ganoë Faculty Fellow in the
Ivy College of Business, Iowa State University

Recognition of Students Receiving

Research Excellence Awards and Teaching Excellence Awards

Provost Jonathan Wickert

Conferring of the Degree Doctor of Philosophy

Candidates presented by William Graves,
Dean of the Graduate College

President Wendy Wintersteen

Conferring of the Master's Degree

Candidates presented by William Graves,
Dean of the Graduate College

President Wendy Wintersteen

The Class of 2019 and the Alumni Association

Jeffery Johnson
Lora and Russ Talbot Endowed President and CEO
Iowa State University Alumni Association

Closing Remarks

President Wendy Wintersteen

The Bells of Iowa State

James Wilson
Refer to the back cover for the lyrics and history of *The Bells of Iowa State* arr. by Michael Golemo
Samantha Schmitz, Vocalist

Recessional

La Mourisque.....Tylman Susato

GRADUATE COMMENCEMENT CEREMONY

Platform Officials

Wendy Wintersteen, President of the University
José Rosa, Professor of Marketing & John and Deborah Ganoie Faculty Fellow in the Ivy College of Business, Iowa State University; and Commencement Speaker
Nancy Dunkel, Board of Regents, State of Iowa
Jonathan Wickert, Senior Vice President and Provost
Martino Harmon, Senior Vice President for Student Affairs
Sarah Nusser, Vice President for Research
Reginald Stewart, Vice President for Diversity and Inclusion
John Lawrence, Vice President for Extension and Outreach
Dawn Bratsch-Prince, Associate Provost for Faculty
Vernon Hurte, Associate Vice President for Student Affairs; and Dean of Students
Jeffery Johnson, Lora and Russ Talbot Endowed President and Chief Executive Officer of the Iowa State University Alumni Association
Jennifer Suchan, University Registrar

William Graves, Dean of the Graduate College; and Professor of Horticulture
Luis Rico-Gutierrez, Dean of the College of Design; and Professor of Architecture
David Spalding, David and Ellen Raisbeck Endowed Dean of the Ivy College of Business; and Professor of Finance
Laura Dunn Jolly, Dean and Dean's Chair of the College of Human Sciences; and Professor of Apparel, Events, and Hospitality Management
Daniel Robison, Endowed Dean's Chair of the College of Agriculture and Life Sciences; Director of the Iowa Agriculture and Home Economics Experiment Station; and Professor of Natural Resource Ecology and Management
W. Samuel Easterling, James L. and Katherine S. Melsa Dean of the College of Engineering; and Professor of Civil, Construction and Environmental Engineering
Dan Grooms, Stephen G. Juelsgaard Dean of the College of Veterinary Medicine; and Professor of Veterinary Diagnostic and Production Animal Medicine
Leslie Hogben, Associate Dean for Graduate Studies and Faculty Development in the College of Liberal Arts and Sciences; and Professor of Mathematics
Hilary Seo, Interim Dean of the University Library

Presenting Professors

Jared Anderson, Chemistry
James Andrews, History ††
Rajeev Arora, Horticulture
Constance Beecher, School of Education
Matthew Brewer, Veterinary Pathology
Eric Brown, Apparel, Events, and Hospitality Management
Nick Christians, Horticulture ††
Stephanie Clark, Food Science and Human Nutrition ✧✧
Eric Cochran, Chemical and Biological Engineering
Gregory Courtney, Entomology
Julie Courtwright, History
Vikram Dalal, Microelectronics Research Center † ✧✧
Mary Damhorst, Apparel, Events, and Hospitality Management
Erin Doran, School of Education
Paul Durbin, Aerospace Engineering ✧✧
Matthew Frank, Industrial and Manufacturing Systems Engineering
Iddo Friedberg, Veterinary Microbiology and Preventive Medicine
Janice Friedel, School of Education
Bethany Gray, English
Justin Greenlee, Biomedical Sciences
Nicole Hashemi, Mechanical Engineering
Heike Hofmann, Statistics
Brian Hornbuckle, Agronomy

Hui Hu, Aerospace Engineering ✧✧
Shan Hu, Mechanical Engineering
Matthew Hufford, Ecology, Evolution and Organismal Biology
Charles Hurburgh, Agricultural and Biosystems Engineering
Doug Jacobson, Electrical and Computer Engineering ††
Robert Jernigan, Biochemistry, Biophysics and Molecular Biology
Sarah Jones, School of Education
Aileen Keating, Animal Science
Sang Kim, Electrical and Computer Engineering
Song-Charng Kong, Mechanical Engineering
Kyrlo Kovnir, Chemistry ✧✧
Monica Lamm, Chemical and Biological Engineering
Léonor Leandro, Plant Pathology and Microbiology
Leifur Leifsson, Aerospace Engineering
Mark Mba-Wright, Mechanical Engineering
Fernando Miguez, Agronomy
Kenneth Moore, Agronomy †✧✧
Ajay Nair, Horticulture
Balaji Narasimhan, Chemical and Biological Engineering †✧
Michael Olsen, Mechanical Engineering
Santosh Pandey, Electrical and Computer Engineering
Matthew Panthani, Chemical and Biological Engineering
John Patience, Animal Science
Jacob Petrich, Chemistry

‡ Distinguished Professor Ⓔ Morrill Professor
‡‡ University Professor

✧ Endowed Chair ✧ Chief Faculty Marshal
✧✧ Endowed Professorship ✧ Senior Faculty Marshal

Presenting Professors, continued

Soeren Prell, Physics and Astronomy
Pamela Riney-Kehrberg, History
Cassandra Rutherford, Civil, Construction and Environmental Engineering
Aaron Sadow, Chemistry
Soumik Sarkar, Mechanical Engineering
Behrouz Shafei-Pamsari, Civil, Construction and Environmental Engineering
Jennifer Shane, Civil, Construction and Environmental Engineering
Zengyi Shao, Chemical and Biological Engineering
Angela Shaw, Food Science and Human Nutrition
Yeon-Kyun Shin, Biochemistry, Biophysics and Molecular Biology
Elizabeth Shirtcliff, Human Sciences Administration
Igor Slowing, Chemistry

Elizabeth Smith, Geological and Atmospheric Sciences
Mehari Tekeste, Agricultural and Biosystems Engineering
James Vary, Physics and Astronomy
Keith Vorst, Food Science and Human Nutrition
Jigang Wang, Physics and Astronomy
Kejin Wang, Civil, Construction and Environmental Engineering
Peng Wei, Aerospace Engineering
R. Christopher Williams, Civil, Construction and Environmental Engineering
Arthur Winter, Chemistry
Chunhui Xiang, Apparel, Events, and Hospitality Management
Cindy Yu, Statistics
Yan Zhao, Chemistry
Junxing Zheng, Civil, Construction and Environmental Engineering

Faculty Marshals

C. Lee Burras, Professor of Agronomy,
College of Agriculture and Life Sciences ◇
John Cunnally, Professor of Art and Visual Culture,
College of Design ◇
Tim Derrick, Professor of Kinesiology,
College of Human Sciences ◇
Brian Hornbuckle, Professor of Agronomy,
College of Agriculture and Life Sciences
Charles Jahren, Morrill Professor of Civil, Construction,
and Environmental Engineering,
College of Engineering ✉
Hans Klein-Hewett, Assistant Professor of Landscape
Architecture,
College of Design

Michael Martin, Associate Professor of Landscape Architecture,
College of Design ◇
Donna Niday, Associate Professor of English,
College of Liberal Arts and Sciences
Frank Peters, Associate Professor and C. G. “Turk” and
Joyce A. Therkildsen Professor of Industrial and
Manufacturing Systems Engineering; and Director of
the Study Abroad Center,
College of Engineering ✧✧
Janette Thompson, Morrill Professor of Natural Resource
Ecology and Management,
College of Agriculture and Life Sciences ✉
Robert Wallace, Associate Professor of Ecology,
Evolution, and Organismal Biology,
College of Liberal Arts and Sciences ◇◇

Announcer and Reader of Names

Hollis Monroe

Michael Martin ◇

Musicians

CONDUCTOR	Michael Golemo, Director of Bands
STUDENT VOCALIST	Samantha Schmitz
EUPHONIUM	PERCUSSION
Grant Bielecki	Emma Davis
Nicholas McKinney	Josh Grant
HORN	TROMBONE
Kristy Carter-Mauss	Andrew Flory
James Casteel	Kyle Grossnickle
Michael Miller	Adam Lappin
Nadia Somers	Gabriel Rueger
Lydia Stanley	Alex Schwarte
Keeley Taylor	Ross Thedens

TRUMPET
David Lass
Matthew Lowe
Nathan Miner
Matthew Polson
Paige Sorensen
PJ VanDerWeide
Robert Walling

TUBA
Peter Jaynes
Griffin Meadors

‡ Distinguished Professor
‡‡ University Professor

✉ Morrill Professor

✧ Endowed Chair
✧✧ Endowed Professorship

◇ Chief Faculty Marshal
◇ Senior Faculty Marshal

GRADUATE COLLEGE COMMENCEMENT SPEAKER

Dr. José Antonio Rosa, Professor & John and Deborah Ganoë Faculty Fellow, Iowa State University

Dr. José Rosa is Professor of Marketing and John and Deborah Ganoë Faculty Fellow in the Ivy College of Business and Faculty Fellow in the Office of Diversity and Inclusion at Iowa State University.



Dr. Rosa studies topics such as patient compliance with healthcare regimens, behaviors and decision making by low-literacy and subsistence consumers, consumer and organizational innovation, the social construction of product markets, and the role of embodied knowledge in consumer and managerial thinking. His research has appeared in peer-reviewed

publications such as *Journal of Marketing*, *Academy of Management Journal*, *Journal of Academy of Marketing Science* and *Journal of Consumer Psychology*.

Dr. Rosa has taught marketing management, marketing strategy, consumer behavior, organizational change, and managing for innovation at multiple institutions, and

recognized for undergraduate, graduate, and executive-professional teaching excellence. He has been a Fulbright Fellow in Chile and Colombia, an American Council on Education Fellow, served on the Transformative Consumer Research Advisory Board, and provided enduring support to The Ph.D. Project – an industry and higher education partnership that has added over 1800 professors of color to U.S. business schools.

One of Dr. Rosa's career missions is mentoring students and faculty of color, for which he received the 2016 American Marketing Association's Williams-Qualls-Spratlen Multicultural Mentoring Award and was inducted into the Ph.D. Project Hall of Fame.

Dr. Rosa is passionate about research, teaching, and service that contribute to sustainable business practices and social well-being, and about preserving widespread access, freedom of inquiry, and shared governance at U.S. higher education institutions. He holds degrees from University of Michigan, Dartmouth College, and General Motors Institute (Kettering University). Prior to entering the academy, Dr. Rosa held management positions in sales, product planning, marketing, and manufacturing in the automotive and banking sectors.

GRADUATE COLLEGE STUDENT MARSHAL

John Seitz

Hometown: Charleston, West Virginia

Major: History



John (Jack) Seitz earned a Ph.D. in History after defending his doctoral dissertation in Iowa State University's Rural, Agricultural, Technological, and Environmental (RATE) history program.

Dr. Seitz conducted archival work in Kazakhstan and Russia after receiving a 2016 Cohen-Tucker Dissertation Research Fellowship grant from the Association for Slavic, East European & Eurasian Studies (ASEEES). He was one of six students awarded a Cohen-Tucker grant in its inaugural year. His research, "Colonizing the Countryside: Scientific Agriculture and Colonial Control on the Kazakh Steppe, 1881-1928," was a study of the contest for control in newly conquered lands in Russian Central Asia, and the role that scientific agriculture and resistance played in that contest.

Dr. Seitz received a Mellon/ACLS Dissertation Completion Fellowship in 2018.

While at Iowa State University, Dr. Seitz also continued his language training in Russian, supported by a prestigious U.S. Department of State Foreign Language Area Studies Grant (FLAS).

Prior to attending Iowa State University, Dr. Seitz was awarded a Master of Arts degree from Indiana University Bloomington in Central Asian Studies.

Dr. Seitz is currently an assistant professor of Modern European and Russian History at Tennessee Wesleyan University.

Escort: Dr. James Andrews, University Professor of History

CANDIDATES FOR DEGREES FROM THE GRADUATE COLLEGE

DOCTOR OF PHILOSOPHY

Major in Aerospace Engineering

†† Cem Kolbakir *Samsun, Turkey*
DISSERTATION: Experimental investigations on thermodynamic characteristics of DBD plasma and applications for aircraft icing mitigation

Andrew Scott Thelen *Des Moines, Iowa*
DISSERTATION: Transonic flutter prediction strategies using multifidelity metamodeling of intermediate frequency-domain quantities

Xufang Zheng *Hohhot, China*
DISSERTATION: Air transportation direct share analysis and forecasting

Major in Agricultural and Biosystems Engineering

Matthew William Schramm *Sac City, Iowa*
DISSERTATION: A methodology of calibrating flexible fibers in the discrete element method for simulating wheat straw shear

Richa Sharma *Ames, Iowa*
DISSERTATION: Development of a standards-based traceability system for the U.S. grain and feed supply chain

Major in Analytical Chemistry

†† He Nan *Suihua City, China*
DISSERTATION: Development of ionic liquid-based stationary phases for gas chromatographic separations

§ Chamari Sulari Santhoshanee Wijesooriya *Galle, Sri Lanka*
DISSERTATION: Fluorescence imaging of cellular organelles and membrane dynamics

Major in Apparel Merchandising and Design

Arienne A. McCracken *Bellefontaine, Ohio*
DISSERTATION: Visibility, transgression, and community: An exploratory study of plus-size fashion YouTubers

Major in Applied Linguistics and Technology

†† Joseph Michael Geluso *Jenison, Mich.*
DISSERTATION: Frequency, semantic, and functional characteristics of discontinuous formulaic language: A learner corpus study

Hyunwoo Kim *Seoul, South Korea*

Major in Applied Mathematics

Brandon Michael Groth *Plymouth, Minn.*

Major in Biochemistry

Brenden James Douglas Hawk *Greenbrier, Ark.*
DISSERTATION: Insights into the native function of α -synuclein

Jacob Timothy Roberts *Burlington, Iowa*
DISSERTATION: Elucidating the role of N-glycosylation in the interaction between Fc γ Receptors (Fc gamma Rs) and Immunoglobulin G (IgG) through characterization of endogenous Fc γ R N-glycosylation and Fc γ RIII (CD16) binding

Major in Bioinformatics and Computational Biology

Md Nafiz Hamid *Dhaka, Bangladesh*
DISSERTATION: Transfer learning towards combating antibiotic resistance

David E. Hufnagel *Jackson, Mich.*
DISSERTATION: Distinct teosinte hybrid aones and genomic architectures of hybridization

†† Viraj Rajendra Muthye *Mumbai, India*
DISSERTATION: The evolution of the mitochondrial proteome in animals

Yuan Wang *Yinchuan, China*
DISSERTATION: Searching for the origin of protein conformational changes: protein responses to specific forces in simulations

Major in Chemical Engineering

†† Fatima Enam *Dhanmondi, Bangladesh*
DISSERTATION: Novel approaches for prebiotic detection and control of microbial communities

Sean Michael Kelly *Windsor, Colo.*
DISSERTATION: Combination nanovaccines against respiratory pathogens

Shuting Yan *Puyang, China*
DISSERTATION: Approaches for studying RNA aptamers with molecular dynamics simulation

Bin Yuan *LeShan, China*
DISSERTATION: Kinetics of the aggregative growth of ligand-capped colloidal nanocrystals

Major in Chemistry

Likun Duan *Zhengzhou, China*
†† Timothy Karl Egner *Chicago, Ill.*

†† Dilini A. H. Singappuli-Arachchige *Pannipitiya, Sri Lanka*
DISSERTATION: Controlling the properties of solid-liquid interfaces in silica nanopores via surface functionalization

Major in Civil Engineering

†† Parnian Ghasemi *Tehran, Iran*
DISSERTATION: Application of optimization and machine learning techniques in predicting pavement performance and performance-based pavement design

Zahra Sotoodeh Nia *Tehran, Iran*
DISSERTATION: Rheological and physical characteristics of bio-derived block co-polymers for adhesive applications

Major in Civil Engineering (Construction Engineering and Management)

Angela Nicole Christensen *Duluth, Minn.*
DISSERTATION: Identifying private construction project owner inefficiencies that affect project goals

Hongtao Dang *Lanzhou, China*
DISSERTATION: Interdisciplinary studies for the success of disadvantaged business enterprises providing engineering and construction services in the transportation sector

Ali Nahvi *Tehran, Iran*
DISSERTATION: Integrated stochastic economics performance evaluation of horizontal infrastructure systems

Major in Civil Engineering (Environmental Engineering)

Patrick Anderson Brown *Altoona, Iowa*
DISSERTATION: Enhanced biological phosphorus removal in a full-scale activated sludge system and phosphorus release in a new high-rate anaerobic reactor

Guyu Shi *Lanzhou, China*
DISSERTATION: Fly ash-based geopolymer as innovative material for environmental applications

Major in Civil Engineering (Geotechnical Engineering)

Wenjing Cai *Lanzhou, China*

Quan Sun *Ankang, China*
DISSERTATION: Three-dimensional shape and fabric characterizations for coarse-grained granular soils

Major in Civil Engineering (Structural Engineering)

§ Ameh Fioklou *Westfield, Mass.* Weizhuo Shi *Harbin, China*
DISSERTATION: Performance assessment of reinforced concrete bridges under the multi-hazard conditions and climate change effects

Major in Computer Engineering (Computing and Networking Systems)

Ling Wang *Bloomfield Hills, Mich.*

Major in Computer Engineering (Secure and Reliable Computing)

Lori Ann Murray *Bloomington, Minn.*

Major in Computer Science

Priyangika R. Piyasinghe *Ames, Iowa*

Major in Condensed Matter Physics

Tej Nath Lamichhane *Arlington, Tex.*
DISSERTATION: Growth, characterization and study of critical rare-earth poor/free magnetic materials

Major in Crop Production and Physiology

Lori Jean Abendroth *Omaha, Neb.* Rosemary Bulyaba *Kampala, Uganda*
DISSERTATION: Characterizing climate change in the Midwest: Magnitude of warming and plausibility of adaptation strategies for maize-based systems
DISSERTATION: Limestone application on a Ferralsol soil and genotype by environment effects on yield and grain nutrient composition in common bean

Major in Education (Educational Leadership)

Sue Ellen Burrack *Arlington, Iowa* Joan Julisa Rodriguez Jaimes *Brownsville, Tex.*
DISSERTATION: School consolidation: A qualitative case study on the importance of identity in a rural environment
DISSERTATION: Creando una cultura universitaria: How an educational technology non-profit organization engages families of elementary aged future first-generation Latin@ college students

Jacob Cody Nielsen *Burlington, Iowa*
DISSERTATION: The religious, secular, and spiritual climate of higher education: Exploring Penn State's Pasquerilla Center through case study

Major in Electrical Engineering

Gang Wu *Dalian, China* Xu Zhang *Tianjin, China*
DISSERTATION: An integrated circuit solution to Johnson noise thermometry and high speed three-stage amplifier design

Major in Electrical Engineering (Communications and Signal Processing)

Xudong Liu *ZhengZhou, China*
DISSERTATION: Crypto-aided MAP detection and mitigation of false data in wireless relay networks

Major in Electrical Engineering (Microelectronics and Photonics)

†† Harshavardhan Ashok Gaonkar *Bangalore, India*
DISSERTATION: Thermally stable, efficient, vapor-deposited inorganic perovskite solar cells

Chao Song *Weifang, China*
DISSERTATION: Nanostructure based neuron degenerative disease biomarker detection and drug release

Major in Electrical Engineering (Very Large Scale Integration)

Shravan Kumar Chaganti *Visakhapatnam, India*
Hao Meng *Jiamusi, China*

Sara Neshani *Urmia, Iran*

Major in Engineering Mechanics

†† Hamed Babaei *Arak, Iran*
DISSERTATION: Multiscale phase-field approach to martensitic phase transformations that satisfies lattice instability conditions

Mohammad Jafari *Isfahan, Iran*
DISSERTATION: Aerodynamic-load identification and prediction of wind-induced vibration of structural/power-line cables and traffic signal structures

Major in Entomology

Xiaoyi Dou *Beijing, China*
DISSERTATION: Transcriptome analysis and identification of genes involved in moth sex pheromone biosynthetic pathways

Coy Ray St Clair III *Hartford, Ky.*
DISSERTATION: Understanding the impact of management strategies and relevant spatial scales on western corn rootworm resistance to Cry3Bb1 in Iowa

Major in Food Science and Technology

Manreet Singh Bhullar *Gurdaspur, India*
DISSERTATION: Ensuring food safety modernization act produce safety rule compliance through water testing and sanitation validation programs

Ana Lorena Monge Brenes *Cali, Colombia*
Nathan Richard Price *Stanley, Wis.*
DISSERTATION: The isolation and concentration of phospholipids from various dairy by-products

Major in Genetics

Garrett Mitchell Janzen *Aurora, Neb.*
DISSERTATION: Local adaptation of maize landraces

Bri Vidrine *Dana Point, Calif.*

Major in Genetics and Genomics

Kendra Leah Clark *Omaha, Neb.*
DISSERTATION: Deciphering the ovarian proteomic impacts of obesity

Major in Horticulture

Kyungwon Min *Pyeongtaek-si, South Korea*

Major in Hospitality Management

Asit Bandyopadhyay *Ghaziabad, India*
DISSERTATION: Advancing data analytics model in examining economic impact of the United States gaming industry

§ Eunkyong Park *Seoul, South Korea*
DISSERTATION: Agritourism operators' decision-making process toward environmental sustainability: The moderating effect of barriers

Ernest Lew *Alhambra, Calif.*
DISSERTATION: Effect of social and cultural capital and supportive programs on higher education aspirations and transfer intention of community college hospitality management students

Erich Steinbock *Sun Valley, Idaho*
DISSERTATION: Emotional intelligence competencies for success in early hospitality careers

Major in Human Development and Family Studies

§ Leslie June Dooley *Nevada, Iowa*
DISSERTATION: A mixed methods exploration of practitioner knowledge of autism and lactation within the context of maternal experiences

†† Jesse B. Jurgenson *Dickinson, N. Dak.*
DISSERTATION: The impact of parental financial socialization on the economic well-being and financial decision-making of young adults

Major in Industrial and Agricultural Technology

Firas Salim K. Al-Aani *Ames, Iowa*
DISSERTATION: CAN bus technology for agricultural machine management research and undergraduate education

Major in Industrial Engineering

Guangyu Hou *Jishou, China*
DISSERTATION: Computing tool accessibility of polyhedral models for toolpath planning in multi-axis machining

Zhengyang Hu *Tempe, Ariz.*
DISSERTATION: Decision making under uncertainties for supply chain optimization

Anuj Mittal *Kota, India*
DISSERTATION: An agent-based approach to modeling sustainable sociotechnical systems

Yijian Zhang *Yangzhou, China*
DISSERTATION: Time-varying optimization using primal-dual type methods: Solution tracking and model training

Major in Inorganic Chemistry

†† Justin Mark *Dartmouth, Mass.*
DISSERTATION: Structural diversity and characterization of novel tetrel pnictides

†† Peter Michael Spurgeon *Longview, Wash.*
DISSERTATION: Investigations of sulfur-silver interactions and mass transport on silver and gold surfaces

Major in Materials Science and Engineering

Nathan Robert Horst *Blairstown, Iowa*
Chad Richard Macziewski *Sioux City, Iowa*

Michael Mendoza Londono *Bucaramanga, Colombia*
DISSERTATION: On the influence of microstructural features of linear friction welding and electron beam additive manufacturing Ti-6Al-4V on tensile and fatigue mechanical properties

Major in Mechanical Engineering

Gerrick O. Bivins *Knob Noster, Mo.*
Abhijeet Chausalkar *Faridabad, India*
Sambuddha Ghosal *Kolkata, India*
DISSERTATION: Physics-constrained deterministic solution of time-dependent partial differential equations using deep convolutional encoder-decoders

Jeffrey Cole Heylmun *Batavia, Ill.*
DISSERTATION: Simulation methods for polydisperse, multiphase flows using moment methods

†† Emmanuel Hitimana *Nyamasheke, Rwanda*
DISSERTATION: Statistical characterization of turbulent mixing in a macroscale multi-inlet vortex chemical reactor

Hsiang-Lan Yeh *Taipei, Taiwan*
DISSERTATION: Chemical and acoustic directed processes for enhancing two-phase porous media fluid flow

Major in Molecular Cellular and Developmental Biology

Kashyap Rajeshbhai Patel *Glenview, Ill.*
DISSERTATION: Donor-and site-specific N-glycosylation analysis of human Fc γ Receptor IIIA from primary natural killer cell

Major in Nuclear Physics

Robert A. Basili *Oxford, Iowa*
DISSERTATION: Nuclear properties with effective operators

Weijie Du *Shanghai, China*
DISSERTATION: Advances in *ab initio* approaches to nuclear structure, reaction and nucleonic dynamics

§ Meijian Li *Zibo, China*
DISSERTATION: Non-perturbative applications of quantum chromodynamics

Major in Organic Chemistry

William Bradley *Arlington Heights, Ill.*
DISSERTATION: Developing green processes for the conversion of biobased materials into pyrones

†† Abhishek Ashok Kadam *Karad, India*
DISSERTATION: Enantioselective synthesis of compounds containing bis-benzylic quaternary stereocenter through palladium-catalyzed conjugate additions of arylboronic acids

Yen Hoang Nguyen *Hanoi, Vietnam*
DISSERTATION: An aromaticity view of proton transfer in ground state and excited state

Major in Physical Chemistry

William Chalmers Everett *Charlotte, N.C.*
DISSERTATION: This again? Logic loops and catalytic cycles

Zhuoran Wang *Jinan, China*
DISSERTATION: Applying solid-state nuclear magnetic resonance techniques to characterize heterogenous catalysts or related complex materials

Major in Plant Biology

Jinyu Wang *Heze, China*

Major in Plant Breeding

Arthur Pereira Da Silva *Ivinhema, Brazil*
DISSERTATION: Mapping of key traits in maize (*Zea mays* l.) doubled haploid technology

Henrique Uliana Trentin *Flores da Cunha, Brazil*
DISSERTATION: Study and improvement of maize maternal haploid inducers

Major in Plant Pathology

Muhammad Mohsin Raza *Depalpur, Pakistan*
DISSERTATION: Modeling yield loss due to soybean sudden death syndrome at different spatial scales

Major in Rural Agricultural Technological and Environmental History

§ John Britton Seitz *Morgantown, W. Va.*

Major in Statistics

Oscar Manuel Aguilar *Colorado Springs, Colo.*
DISSERTATION: Topics in portfolio allocation

Emily Goren *Minneapolis, Minn.*
DISSERTATION: Statistical methods for ChIP-seq and microbiome studies using next-generation DNA sequencing data

Qianqian Shan *Zhengzhou, China*
DISSERTATION: Topics in recurrent event prediction with generalized non-homogeneous Poisson process (NHPP) and electronic circuit troubleshooting with Bayesian inference

Major in Veterinary Pathology (Veterinary Parasitology)

Jeba Rose Jennifer Jesudoss Chelladurai
Tamil Nadu, India
DISSERTATION: P-glycoprotein drug transporters
in the parasitic nematodes *Toxocara canis* and
Parascaris

Multiple Curricula and Majors

Abdullah Mohammed Alqasir *Aurora, Ohio*
DISSERTATION: Energy efficiency with quality of
service constraints in heterogenous networks
MAJORS: Electrical Engineering and Computer
Engineering (Computing and Networking Systems)

Bin Cai *Xiangtan, China*
DISSERTATION: Enabling tall towers in wind
energy production
MAJORS: Civil Engineering (Structural Engineering)
and Wind Energy Science Engineering and Policy

Kristine Marie Lang *Pelican Rapids, Minn.*
DISSERTATION: Optimizing high tunnel vegetable
crop production through grafting, cultivar
selection, and microclimate modification
MAJORS: Sustainable Agriculture and Horticulture

Meiling Liu *Dezhou, China*
DISSERTATION: Assessing and accounting for
correlation in RNA-seq data analysis
MAJORS: Bioinformatics and Computational
Biology and Statistics

Ashley Louise St Clair *Ames, Iowa*
MAJORS: Ecology and Evolutionary Biology and
Entomology

Volodymyr Sukhoy *Naperville, Ill.*
MAJORS: Human Computer Interaction and
Computer Engineering

MASTER OF ACCOUNTING

Major in Accounting

Megan Grace Euchner *Harlan, Iowa*

Major in Accounting (Financial Reporting and Assurance)

Jordan Dalton Graham *West Des Moines, Iowa*
Anthony Michael Nucaro *Urbandale, Iowa*

Tristan John Swiggum *Dubuque, Iowa*

Major in Accounting (Global Business)

Erin Evaline Hurd *Redondo Beach, Calif.*

Major in Accounting (Managerial Decision Making)

Wenmei Xu *Jiaozhou, China*

Major in Accounting (Tax)

Luke Devin Dawson *Des Moines, Iowa*

MASTER OF ARCHITECTURE

Major in Architecture

Abdulrahman Ibrahim Abdu *Abuja, Nigeria*

MASTER OF ARTS

Major in English Literature

Bradley Scott Grout

Boone, Iowa

Miles Rothlisberger

Mitchell, S. Dak.

THESIS: Eco-planetary pantheon: Environmental horror in Harlan Ellison's deathbird stories

Major in Political Science (Public Policy)

David Babayev

Clive, Iowa

Conner Troy Greene

North Liberty, Iowa

THESIS: Effects of news media bias and social media algorithms on political polarization

MASTER OF ARTS IN TEACHING

Major in Science Education

Drake Bittner

Ottumwa, Iowa

MASTER OF BUSINESS ADMINISTRATION

Major in Business Administration

Angela E. Christianson

Mechanicsville, Iowa

Tyler James Kutz

Rockwell City, Iowa

Bradley J. V. Coleman

Homewood, Ill.

Tracy Purdy

Treynor, Iowa

Jacob Andrew Gibbs

Solon, Iowa

Jingwen Zhang

Beijing, China

Lee Edmond Harris

Kelley, Iowa

Major in Business Administration (Business Analytics)

Ewa Szajna-Fuller

Ames, Iowa

MASTER OF COMMUNITY AND REGIONAL PLANNING

Major in Community and Regional Planning

Caleb Daniel Knutson

Hubbard, Iowa

MASTER OF EDUCATION

Major in Education (Higher Education)

Nicholas Michael Kettmann

Bellevue, Iowa

Britta Rosa Lynn Meints

Swaledale, Iowa

MASTER OF ENGINEERING

Major in Aerospace Engineering

Yamini Yadla	Vijayawada, India	Noor Zannat	Houston, Tex.
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Major in Agricultural and Biosystems Engineering

Alex Joseph Irlbeck	Templeton, Iowa
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Major in Civil Engineering (Construction Engineering and Management)

Devon Ford Drake	Henderson, Nev.	Michael Robert Ward	Las Vegas, Nev.
Daniel Grasham	Oklahoma City, Okla.		

Major in Civil Engineering (Geotechnical Engineering)

Michael Patrick Withuski	Wahpeton, N. Dak.
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Major in Civil Engineering (Structural Engineering)

Pak Hon Cheung	Hong Kong	Mingsui Tang	Shanghai, China
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Major in Civil Engineering (Transportation Engineering)

Md Toushik Ahmed Niloy	Dhaka, Bangladesh
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Major in Computer Engineering

Rishab Kinnerkar	Ames, Iowa	Haider Raza	Faisalabad, Pakistan
Alexander Roscoe Leith	Washington, Iowa	Ningyuan Zhang	Lanzhou, China

Major in Electrical Engineering

Nicholas Paul Brylski	Dubuque, Iowa	Haoyue Ma	Suzhou, China
Jesse Dellasandro	San Diego, Calif.	Pengyu Qu	Zhengzhou, China
Srayashi Konar	Asansol, India	Clayton Daniel White	Des Moines, Iowa

Major in Engineering Mechanics

Demetrius A. W. Andrews	Savannah, Ga.
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Major in Industrial Engineering

Nikhila Prasad Gangavaram Karanam	Hyderabad, India	Mark Boulos Haddad	San Diego, Calif.
		Hridyesh Mangalath Venugopalan	Thrissur, India

Major in Information Assurance

Nick William Frerichs	Cedar Falls, Iowa	Nathan John Klostermann	Cedar Falls, Iowa
Richard Edward Hanton	Phoenix, Ariz.	Jared Ryan Peterson	Polk City, Iowa

Major in Mechanical Engineering

Jenna Michelle Delp	Dubuque, Iowa	Debrudra Mitra	Kolkata, India
Garrett Lance Ebelke	Palmyra, Va.	Simardeep Singh	Amritsar, India
Lucas Samuel Hall	Ankeny, Iowa	Rebecca Tadesse	Houston, Tex.
Nicholas Eric Kearbey	Pleasant Hill, Iowa	Joseph Michael West	Rochester, N.Y.
Anton Patrick Kozlovsky	Bettendorf, Iowa		

Major in Systems Engineering

Stephen Donald Gerbracht Ames, Iowa

Multiple Curricula and Majors

Jonathan David Drahos Belle Plaine, Iowa
MAJORS: Information Assurance and Computer
Engineering

Qiwei Zhu Changsha, China
MAJORS: Mechanical Engineering and Computer
Engineering

MASTER OF FAMILY AND CONSUMER SCIENCES

Major in Family and Consumer Sciences (Dietetics)

Molly Kathryn Seibel West Des Moines, Iowa

Major in Family and Consumer Sciences (Family Financial Planning)

Clayton Cole Anderson League City, Tex.
Don M. Edlin Jeffersonville, Ind.
Robert R. Herbison Eugene, Oreg.

Brittany Renee Peterson Story City, Iowa
Norma Vargas Waterford, Conn.

Major in Family and Consumer Sciences (Gerontological Planning)

Hannah Belle Aljets Ankeny, Iowa

Major in Family and Consumer Sciences (Youth Development)

Megan Mae Freel Runnells, Iowa Alexa Rae Trickle Ames, Iowa

MASTER OF FINANCE

Major in Finance

Abby Roxanne Caldwell Waverly, Iowa
Songhao Hou Chengdu, China
Xialin Hua Wuxi, China

Xinghan Li Changchun, China
Amit Mahapatra Gurgaon, India
Jie Ren Kaifeng, China

MASTER OF FINE ARTS

Major in Creative Writing and Environment

Connor Luke White Fayetteville, Ga.
THESIS: The citizen's almanac

Major in Graphic Design

Sang Eun Lee Nevada, Iowa
THESIS: Impact: Identity, belonging, and migration

Major in Integrated Visual Arts

Dan Joseph Johnson
THESIS: Transmoglify

Davenport, Iowa

MASTER OF HUMAN COMPUTER INTERACTION

Major in Human Computer Interaction

Christopher Brandon Baker
Jennie Lee
Robert McKinnon
Clinton George Milmine

Winter Park, Fla.
Floral Park, N.Y.
Southfield, Mich.
San Francisco, Calif.

Lukas Ostrander
Brian Talbot
Michelle Turcotte

Chicago, Ill.
Sidney, Neb.
Pflugerville, Tex.

MASTER OF INDUSTRIAL DESIGN

Major in Industrial Design

Xin Chen

Huludao, China

John Anthony Osorio

Ibague, Colombia

MASTER OF PROFESSIONAL PRACTICE IN DIETETICS

Major in Professional Practice in Dietetics

Allysa Lynn Ballantini
Katherine Farmer Combs
Kelly Grapentine Flater
Laura Rose Hamilton
Katara Evonne Jackson

Ankeny, Iowa
Charlotte, N.C.
Ankeny, Iowa
St. Paul, Minn.
Memphis, Tenn.

Scott Allen Keatley
Morgane Lemire
Bridget McHugh
Stephanie R. Montevecchi
Samantha S. Twaroski

Brooklyn, N.Y.
Erie, Pa.
Oneonta, N.Y.
San Francisco, Calif.
Erie, Pa.

MASTER OF SCIENCE

Major in Aerospace Engineering

James Joseph Wingerter

Elkhorn, Neb.

Major in Agricultural and Biosystems Engineering

Baitong Chen

Ames, Iowa

Sai Teja MARRIPUDI

Hyderabad, India

Major in Agricultural Education

Amber Marie Samson
Brooke Elizabeth Thelen

Prairie City, Iowa
Creston, Iowa

Logan Danielle Worden

Oelwein, Iowa

Major in Agricultural Education (Agricultural Extension Education)

Priscilla Renee Hogue

Murfreesboro, Tenn.

Allyssa Mary Zoern

Antigo, Wis.

Major in Agronomy

Mark William Bloomquist
Benjamin Lee Buesing
Eric Michael Davis

Willmar, Minn.
Rich Hill, Mo.
Davis, Calif.

Leah Nichole Dodendorf
Tracy Alison Hansen

Grand Island, Neb.
Viola, Ill.

Major in Analytical Chemistry

Ashley Nicole Bowers
Oswego, Ill.
THESIS: *In situ* formed magnetic ionic liquids:
DNA extraction performance and fluorescence-
compatibility in bioanalytical applications

Major in Animal Breeding and Genetics

Flor Anita Corredor
Lims, Peru
THESIS: Genetics and genomics of vulva traits and
their relationship with first-parity performance
in pigs
Cassandra Lynn Scanlan
Pinehurst, N.C.

Cori Jeanne Siberski
Ames, Iowa
THESIS: Investigating automated sensor measures
as possible indicator traits of feed intake and
health traits in dairy cattle

Major in Animal Science

Spenser Leigh Becker
Keota, Iowa
THESIS: Investigation of an ETEC challenge and
supplementation of direct-fed microbials in
weaned pigs

Logan Rylee Kilburn
Muscatine, Iowa
THESIS: The use of dietary fat and cricket powder
as alternatives in diets fed to healthy adult dogs

Major in Applied Mathematics

Caleb Logemann
Earlham, Iowa
THESIS: An implicit-explicit discontinuous
Galerkin Scheme using a Newton-free Picard
iteration for a thin-film model

Major in Biomedical Sciences

Joshua Rakwon Dunigan
Austin Brock Parris
Des Moines, Iowa
Savannah, Tenn.

Lauren Joan Pipitone
Lauren Nicole Ramos
Scottsdale, Ariz.
Ames, Iowa

Major in Biomedical Sciences (Physiology)

Lu Liu
Beijing, China

Major in Chemical Engineering

Aziz Dogan Ilgun
Izmir, Turkey
THESIS: Application of quadrature-based moment
methods to the conditional moment closure
Chukwuemeka Uzodinma Mba
Lagos, Nigeria
THESIS: Kinetic study of the homogeneous
acid-catalyzed esterification of malic acid with
methanol to form dimethyl malate

Jaeryul Park
Daejeon, South Korea
THESIS: Elucidating energy scaling relations
between simple atomic and molecular adsorbates
in the presence of solvent

Major in Civil Engineering (Civil Engineering Materials)

Mohammad Ali Notani
Tehran, Iran

Yogiraj Sargam
Patna, India
THESIS: Measurement and prediction of mass
concrete parameters and thermal conductivity

Major in Civil Engineering (Construction Engineering and Management)

Chaitanya Sitarama Pavan Kumar Dokala <i>Bobbili, India</i> THESIS: Assessment of state highway agency approval requirements for erosion and sediment control products	Billur Kazaz <i>Istanbul, Turkey</i>
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Major in Civil Engineering (Environmental Engineering)

Parker James Dulin <i>Maryville, Tenn.</i> THESIS: Development of potential strategies for DNA quantification and DNA probes for detection of <i>Legionella pneumophila</i>	Ashley Nicole Geesman Jaime Catherine Schussler <i>Ames, Iowa Milton, W. Va.</i>
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Major in Civil Engineering (Structural Engineering)

Nicole Marie Johnson <i>Sun Prairie, Wis.</i>	Andrew James Mock <i>Poughquag, N.Y.</i>
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Major in Civil Engineering (Transportation Engineering)

Bryce Allen Hallmark <i>Ankeny, Iowa</i>

Major in Computer Engineering

Sathya Narayana Mohan <i>Bangalore, India</i> THESIS: Distributed intrusion detection/prevention system design and implementation for secure SCADA communication in smart grid
--

Major in Computer Engineering (Computing and Networking Systems)

Matthew James Cauwels <i>South Beloit, Ill.</i> THESIS: Hardware scalable, software configurable LQG controller using a sequential discrete Kalman filter	Aishwarya Kamal Maddala Amitangshu Mukherjee Ashraf Shaikh Mohammed Shankar Sridhar Chenliang Xu <i>Hyderabad, India Kolkata, India Hyderabad, India Chennai, India Ames, Iowa</i> THESIS: Android ransomware threats and case studies: A reverse engineering approach
Nathaniel Louis Gilbert <i>West Des Moines, Iowa</i>	
Jiztom Kavalakkatt Francis <i>Kochi, India</i> THESIS: Cloud-based multi-Sensor Remote Data Acquisition system for Precision Agriculture (CSR-DAQ)	

Major in Computer Engineering (Secure and Reliable Computing)

Grant Reade Foudree <i>Chicago, Ill.</i> THESIS: "Regsym" - Dataflow analysis of linear x86 code	Shangxuan Han Shifa Khan <i>Ames, Iowa Navi Mumbai, India</i>
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Major in Computer Engineering (Software Systems)

Han Liao Sai Sree Parvathaneni <i>Beijing, China Ankeny, Iowa</i> THESIS: Random sampling in Apache Hive	Ashraf Tahmasbi <i>Boldaji, Iran</i>
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Major in Computer Science

Abdullah *Islamabad, Pakistan*
THESIS: Data compression based cost optimization for a multi-cloud data storage system

Hamid Bagheri *Sanandaj, Iran*
THESIS: Domain-specific language and infrastructure for genomics

Han-Shu Chang *Taichung, Taiwan*

Shang Da *Wuhan, China*

Aashish Mani Dhakal *Kathmandu, Nepal*

Sambuddha Ghosal *Kolkata, India*
THESIS: Physics-constrained deterministic solution of time-dependent partial differential equations using deep convolutional encoder-decoders

Md Johirul Islam *Dhaka, Bangladesh*
THESIS: Boa_T : A domain specific language and shared data science infrastructure for large scale transportation data analysis

Seyedehzahra Khoshmanesh *Bushehr, Iran*
THESIS: The role of similarity in detecting feature interaction in software product lines

Raj Gaurav Ballabh Kumar *Kolkata, India*

THESIS: Disrupting diffusion in a social network through the identification of critical nodes

Stroh John Leslie *Urbandale, Iowa*

Preethi Pandian *Chennai, India*

Rahul Singh *Kanpur, India*

Major in Crop Production and Physiology (Weed Science)

Joshua James Russell DeGroot *Laura, Ill.*
THESIS: Evaluation techniques for sense and spray weed management

Major in Ecology and Evolutionary Biology

Jeremy Robert Andersen *Story City, Iowa*
THESIS: Efforts in estimating habitat usage of neonatal garter snakes in central Iowa.

Major in Electrical Engineering (Communications and Signal Processing)

Minsu Cho *Seoul, South Korea*

Gauri Bhagawantrao Jagatap *Mumbai, India*

Hasitha Rasineni *Visakhapatnam, India*

Viraj Jayminkumar Shah *Amdavad, India*

THESIS: Algorithms for solving inverse problems using generative models

Major in Electrical Engineering (Electromagnetics Microwave and Nondestructive Evaluation)

Roberto Alva *Rock Island, Ill.*

Thomas David Kimler *Davenport, Iowa*

Major in Electrical Engineering (Systems and Controls)

Fan Zhang *Wuxi, China*

Major in Electrical Engineering (Very Large Scale Integration)

Tyler James Archer *Waterloo, Iowa*
THESIS: Bandgap voltage references with curvature elimination for temperature independence

Mounica Yatam *Hyderabad, India*

Major in Entomology

Ashley Nicole Dean *Berwick, Iowa*
THESIS: What are the consequences of resistance? Exploring the impacts of insecticide and host-plant resistance for insect pest management

Major in Food Science and Technology

Charu Gupta *Delhi, India*
THESIS: Development of gluten free pasta

Samuel Sugut Kiprotich *Kapchorwa, Uganda*
THESIS: Application of thyme oil or cinnamaldehyde for the inactivation of enteric pathogens in marinated raw chicken and apple juice
Tarah Nicole Temen *Lake In The Hills, Ill.*

Major in Genetics and Genomics

Daniela Victoria Flores *Blaine, Minn.*

Major in Gerontology

Gina Lee *Goyang-si, South Korea*

Major in Hospitality Management

Kevin R. Borzym *Park Ridge, Ill.*

Cassandra Hope Britt *Monticello, Iowa*

Major in Human Computer Interaction

Michael Arrisontz *Oklahoma City, Okla.*

Amy Beeman *Kasson, Minn.*

Major in Human Development and Family Studies

Janelle Blanco Carlson *Burlington, Iowa*
THESIS: Parental reflective functioning and mother-child interactions - A preliminary investigation

Major in Industrial and Agricultural Technology

§ Austin Robert Hamm *Elkins, Ark.*

Heather Hadassah Tenboer *Clinton, Iowa*

Major in Industrial Engineering

Luning Bi *Beijing, China*
Jakob Riley Croghan *Manning, Iowa*
THESIS: Process planning for iterative, in-envelope hybrid manufacturing in the presence of machining allowances

Srujana Kandukuri *Hyderabad, India*
Courtney Lewis Middelkoop *Richardson, Tex.*
Rama Srikar Mutyala *Santa Clara, Calif.*

Rohit Suresh *Hyderabad, India*
THESIS: A value-focused thinking approach to measuring community resilience

Varun Ananthasivan S. *Abu Dhabi, United Arab Emirates*
THESIS: A user-centered engineering approach to storage and access in high priority scenarios
Atousa Zarindast *Tehran, Iran*

Major in Information Assurance

Jesse Bryan Crawford *Albuquerque, N. Mex.*
THESIS: Knowing your bitcoin customer: A survey of bitcoin money laundering services and technical solutions for anti-money laundering compliance
Khalid Farrag *Des Moines, Iowa*
Andrew Robert Halterman *West Des Moines, Iowa*

Alan Schmitz *Ankeny, Iowa*
Lindsey Kathryn Trotter *Cedar Rapids, Iowa*
THESIS: A case study involving creating and detecting steganographic images shared on social media sites

Major in Information Systems

Michael Jared Bishop *Pella, Iowa*
Akshay Reddy Chada *Visakhapatnam, India*
Haimeng Kang *Beijing, China*
Mandar Uday Mahajan *Nagpur, India*

Amit Mahapatra *Gurgaon, India*
Anudeep Malepati *Vijayawada, India*
Prasanth Vijaya Baskaran *Chennai, India*
Jingwen Zhang *Beijing, China*

Major in Inorganic Chemistry

Xuechen Luan Ames, Iowa

Major in Interdisciplinary Graduate Studies

Lindsay E. Henderson Webster City, Iowa Melinda Jean Sanchez Ankeny, Iowa

Major in Interdisciplinary Graduate Studies (Community Development)

Tayna C. Belyeu-Camacho Saipan, Northern Mariana Islands Linda Elenore Kasperbauer Johanson Forest City, Iowa

Major in Journalism and Mass Communication

Mumtahn Awny Dhaka, Bangladesh Kasey Shea Opfer Springfield, Mo.
THESIS: The Rohingya refugee issue: Differences
in media framing in Bangladesh and India
THESIS: Making a fashion statement: Word-of-
mouth marketing on Instagram
Saige Amelia Heyer Ames, Iowa
THESIS: Selling sickness: Message features of
pharmaceutical advertisements for ADHD
medication

Major in Kinesiology

Laura Stacy Hebron, Ky.

Major in Meat Science

Benjamin Lee Ruther Lowden, Iowa
THESIS: Effects of processing method and non-
meat binding ingredients on batter stability, yield
and texture of frankfurters

Major in Mechanical Engineering

Jingshuai Guo Zhengzhou, China Hamidreza Zobeiri Tehran, Iran
THESIS: Neuronal sensing via inkjet printing of
biocompatible graphene
THESIS: Hot carrier transfer and thermal transport
in suspended nm-thick WS2
Venkata Satya Pavan Kotrike Hyderabad, India
THESIS: Mixing in bi-dispersed granular flows

Major in Meteorology

Kierstin Rene Blomberg Newhall, Iowa Jacob Randall Spender Sheboygan, Wis.
Justin Andrew Covert Mentor, Ohio
THESIS: Comparison of cloud systems simulated
with two-dimensional and three-dimensional
cloud resolving models
THESIS: Sensitivity of sub-daily extreme
precipitation to model resolution

Major in Microbiology

Taylor Irene Herring Godfrey, Ill.
THESIS: Analysis and characterization of
the choline-utilizing microcompartment in
uropathogenic *E. coli* 536

Major in Molecular Cellular and Developmental Biology

Troy Matthew Bunch Ankeny, Iowa
THESIS: Ectopic expression of the Arabidopsis
homomeric acetyl-CoA carboxylase

Major in Physics

Anji Yu Wuhan, China
THESIS: Baryons in a light front approach

Major in Plant Breeding

Jill Ann Coombs	Kualapuu, Hawaii	Emily Elizabeth Thorp	Wapella, Ill.
Tiffani Elizabeth K. Hull	Koloa, Hawaii	Eric Brent Whitted	York, Neb.
Reginald Lewis Poellnitz	Ellenwood, Ga.		

Major in Plant Pathology

Julie Aiza Lumancas Mandap	Laguna, Philippines	Joshua Nathan Viggers	Metamora, Ill.
		THESIS: The impact of fungicide application method on soybean canopy coverage, disease, yield, seed quality, and seed fill duration.	

Major in Seed Technology and Business

Macy June Krug	Dysart, Iowa	Parker Anne Smith	Godfrey, Ill.
Christopher John Reed	Idaho Falls, Idaho	Emily Tobin	Burbank, Wash.
Clayton Thomas Schmith	Pasco, Wash.		

Major in Soil Science

Teresa Middleton Elkhorn, Wis.

Major in Statistics

Gani Agadilov	Astana, Kazakhstan	Hao Sun	Xuzhou, China
Zihao Chen	Xinjiang, China	Hao Wang	Suzhou, China
Earl Hur	Denver, Colo.	Jing Zhao	Ames, Iowa
Charles Jacob Labuzzetta	Holmen, Wis.		

Major in Sustainable Agriculture

Alyvia Christine Steenhoek Ankeny, Iowa

Major in Toxicology

Mengisteab T. Wolday Asmara, Eritrea
THESIS: Phenotypic and molecular analysis of
desensitization to levamisole in male and female
adult *Brugia malayi*

Major in Veterinary Microbiology

Meicen Liu *Beijing, China*
THESIS: The growth response of *Campylobacter jejuni* to stress catecholamines

Aislinn A. (Pomfret) Ophoff *Ames, Iowa*
THESIS: Metabolomics in veterinary medicine: Untargeted metabolomic analysis of porcine reproductive and respiratory syndrome virus and targeted metabolomic analysis of *Salmonella* Enteritidis

Multiple Curricula and Majors

Erik Stephen Day *Bettendorf, Iowa*
THESIS: Application of the USGS Soil-Water-Balance (SWB) model to estimate spatial and temporal aspects of groundwater recharge in north-central Iowa

MAJORS: Geology and Environmental Science

C. Jeffrey Hartwig *Boone, Iowa*
MAJORS: Agricultural Education (Agricultural Extension Education) and Agricultural Education

Joshua Joseph McDanel *Oskaloosa, Iowa*
THESIS: Noncontributing areas as indices of landscape development in the glaciated Central Lowlands, USA
MAJORS: Environmental Science and Soil Science (Soil Morphology and Genesis)

Erica Rae Neideigh *Runnells, Iowa*
MAJORS: Agricultural and Biosystems Engineering and Soil Science

Maggie Nichols Norton *Ames, Iowa*
THESIS: Livestock production, water scarcity, and the potential for collaborative water governance in northwest Iowa
MAJORS: Rural Sociology and Sustainable Agriculture

Zijian Zhao *Urumqi, China*
THESIS: A smartphone-based system for fluorescence polarization assays
MAJORS: Electrical Engineering (Microelectronics and Photonics) and Computer Science

MASTER OF URBAN DESIGN

Major in Urban Design

Victoria Marie Goetz *Ankeny, Iowa*

Sean Gordon Wittmeyer *Fort Collins, Colo.*



Fall 2019

Undergraduate
Commencement Ceremony
1:30 p.m., Saturday, December 21, 2019
James H. Hilton Coliseum

UNDERGRADUATE COMMENCEMENT PROGRAM

1:30 p.m., Saturday, December 21, 2019, James H. Hilton Coliseum

President Wendy Wintersteen, B.S., Ph.D., Presiding

Processional

Pomp and Circumstance Edward Elgar

The Star-Spangled Banner Francis Scott Key
arr. by Michael Golemo
Simon Estes, Vocalist

Opening Remarks President Wendy Wintersteen

Commencement Address Daniel Houston
Chairman, President, and Chief Executive of
Principal Financial Group®

Musical Interlude

Ol' Man River Kern and Hammerstein
Simon Estes, Vocalist

Cyclone Fantasia Michael Golemo

Recognition of Students Graduating with Distinction Provost Jonathan Wickert

Recognition of Students Graduating from the Honors Program Provost Jonathan Wickert

Recognition of those with Military Service Provost Jonathan Wickert

Conferring of the Bachelor's Degree President Wendy Wintersteen

Candidates for the Bachelor's Degree presented by Provost Jonathan Wickert

Ivy College of Business candidates recognized by Dean David Spalding

College of Design candidates recognized by Dean Luis Rico-Gutierrez

College of Agriculture and Life Sciences candidates recognized by Dean Daniel Robison

College of Liberal Arts and Sciences candidates recognized by Dean Beate Schmittmann

College of Human Sciences candidates recognized by Dean Laura Dunn Jolly

College of Engineering candidates recognized by Dean W. Samuel Easterling

The Class of 2019 and the Alumni Association Jeffery Johnson
Lora and Russ Talbot Endowed President and CEO
Iowa State University Alumni Association

Closing Remarks President Wendy Wintersteen

The Bells of Iowa State James Wilson
Refer to the back cover for the lyrics and story of *The Bells of Iowa State* arr. by Michael Golemo
Samantha Schmitz, Vocalist

Recessional

La Mousisque Tylman Susato

*The color guard for commencement exercises is composed of representatives
from the Naval Reserve Officer Training Corps Color Guard*

UNDERGRADUATE COMMENCEMENT CEREMONY

Platform Officials

Wendy Wintersteen, President of the University
Daniel Houston, Chairman, President, and Chief Executive Officer of Principal Financial Group®; and Commencement Speaker
Jonathan Wickert, Senior Vice President and Provost
Martino Harmon, Senior Vice President for Student Affairs
Sarah Nusser, Vice President for Research
John Lawrence, Vice President for Extension and Outreach
Vernon Hurte, Associate Vice President for Student Affairs; and Dean of Students
Jeffery Johnson, Lora and Russ Talbot Endowed President and Chief Executive Officer of the Iowa State University Alumni Association
Simon Estes, F. Wendell Miller Distinguished Artist in Residence; and Commencement Vocalist
Jennifer Suchan, University Registrar

Luis Rico-Gutierrez, Dean of the College of Design; and Professor of Architecture
Beate Schmittmann, Dean of the College of Liberal Arts and Sciences; and Professor of Physics and Astronomy
David Spalding, David and Ellen Raisbeck Endowed Dean of the Ivy College of Business; and Professor of Finance
Laura Dunn Jolly, Dean and Dean's Chair of the College of Human Sciences; and Professor of Apparel, Events, and Hospitality Management
Daniel Robison, Endowed Dean's Chair of the College of Agriculture and Life Sciences; Director of the Iowa Agriculture and Home Economics Experiment Station; and Professor of Natural Resource Ecology and Management
W. Samuel Easterling, James L. and Katherine S. Melsa Dean of the College of Engineering; and Professor of Civil, Construction and Environmental Engineering
Dan Grooms, Stephen G. Juelsgaard Dean of the College of Veterinary Medicine; and Professor of Veterinary Diagnostic and Production Animal Medicine
Hilary Seo, Interim Dean of the University Library

Faculty Representatives

Rajeev Arora, Horticulture
Joseph Awino, Chemistry
Hua Bai, Genetics, Development, and Cellular Biology
Carlton Basmajian, Community and Regional Planning
Steve Butler, Mathematics ✧✧
Bernard Canniffe, Graphic Design ✧✧
Yongyeon Cho, Interior Design
Simon Cordery, History
Susan Cross, Psychology
Ruthellen Cunnally, English
Scott Curtis, Naval Science
Michael Dahlstrom, Greenlee School of Journalism and Mass Communication ✧✧
Tejas Dhadphale, Industrial Design
William Dilla, Accounting ✧✧
Erin Doran, School of Education
Mark Edelman, Economics
Chad Gasta, World Languages and Cultures
Heimir Geirsson, Philosophy and Religious Studies
Michael Hanson, Air Force Aerospace Studies
Beth Hartmann, Civil, Construction and Environmental Engineering

John Kaiser, Chemical and Biological Engineering
Karen Kedrowski, Political Science
Paul Koch, Finance ✧
Frank Krennrich, Physics and Astronomy
Dan Krier, Sociology
Russell Laczniak, Marketing ✧✧
Kendall Lamkey, Agronomy
Ingrid Lilligren, Art and Visual Culture
Ruth Litchfield, Food Science and Human Nutrition ✧
Gayle Luze, Human Development and Family Studies
Steven Mickelson, Agricultural and Biosystems Engineering ✧✧
Ishva Minefee, Management
Changhyun Nam, Apparel, Events, and Hospitality Management
Nathan Neihart, Electrical and Computer Engineering
Daniel Nettleton, Statistics † ✧
Sree Nilakanta, Information Systems and Business Analytics
Frank Peters, Industrial and Manufacturing Systems Engineering ✧✧
Nicholas Peters, Plant Pathology and Microbiology

Paola Pittoni, Mechanical Engineering
 Peter Ralston, Supply Chain Management
 Michael Retallick, Agricultural Education and Studies
 Alric Rothmayer, Aerospace Engineering
 Mack Shelley II, Political Science ††
 Jodi Sterle, Animal Science ✧✧
 Christina Svec, Music and Theatre

Robert Thornburg, Biochemistry, Biophysics, and
 Molecular Biology
 Robert Wallace, Ecology, Evolution, and Organismal
 Biology ✧✧
 Gregory Welk, Kinesiology ✧✧
 Betty Wells, Sociology
 Aaron Wood, Geological and Atmospheric Sciences
 Kimberly Zarecor, Architecture

Faculty Marshals

C. Lee Burras, Professor of Agronomy,
 College of Agriculture and Life Sciences ✧
 John Cunnally, Professor of Art and Visual Culture,
 College of Design ✧
 Tim Derrick, Professor of Kinesiology,
 College of Human Sciences ✧
 Chad Gasta, Professor and Chair of World Languages
 and Cultures,
 College of Liberal Arts and Sciences
 Brian Hornbuckle, Professor of Agronomy,
 College of Agriculture and Life Sciences
 Hans Klein-Hewett, Assistant Professor of Landscape
 Architecture,
 College of Design
 Michael Martin, Associate Professor of Landscape
 Architecture,
 College of Design ✧
 Donna Niday, Associate Professor of English,
 College of Liberal Arts and Sciences

Jon Perkins, Associate Professor of Accounting,
 Ivy College of Business
 Frank Peters, Associate Professor and C. G. “Turk” and
 Joyce A. Therkildsen Professor of Industrial and
 Manufacturing Systems Engineering; and Director of
 the Study Abroad Center,
 College of Engineering ✧✧
 Jodi Sterle, Harman Endowed Professor in Teaching
 and Learning; and Teaching Section Leader in the
 Department of Animal Science,
 College of Agriculture and Life Sciences ✧✧
 Ann Smiley, Professor of Kinesiology,
 College of Human Sciences
 Janette Thompson, Morrill Professor of Natural Resource
 Ecology and Management,
 College of Agriculture and Life Sciences Ⓔ
 Robert Wallace, Associate Professor of Ecology,
 Evolution, and Organismal Biology,
 College of Liberal Arts and Science ✧✧

Announcer and Reader of Names

Hollis Monroe

Michael Martin ✧

Musicians

CONDUCTOR	Michael Golemo, Director of Bands		
VOCALIST	Simon Estes, F Wendell Miller Artist in Residence		
STUDENT VOCALIST	Samantha Schmitz		
EUPHONIUM	PERCUSSION	TRUMPET	
Grant Bielecki	Emma Davis	David Lass	
Nicholas McKinney	Josh Grant	Matthew Lowe	
		Nathan Miner	
HORN	TROMBONE	Matthew Polson	
Kristy Carter-Mauss	Andrew Flory	Paige Sorensen	
James Casteel	Kyle Grossnickle	PJ VanDerWeide	
Michael Miller	Adam Lappin	Robert Walling	
Nadia Somers	Gabriel Rueger		
Lydia Stanley	Alex Schwarte	TUBA	
Keeley Taylor	Ross Thedens	Peter Jaynes	
		Griffin Meadors	

COMMENCEMENT SPEAKER

Daniel Houston, Chairman, President, and Chief Executive Officer of Principal Financial Group®

Daniel Houston is chairman, president, and chief executive officer of Principal Financial Group®. He is responsible for overall management of the company.



Houston joined Principal® in 1984 in Dallas. He has held several management positions, being named senior vice president in 2000, executive vice president in 2006 and president of Retirement and Income Solutions in 2008. He was named president and chief operating officer in 2014 before assuming his current role in 2015.

Houston is chair of the American Council of Life Insurers, an organization that advocates on behalf of 280 member companies dedicated to providing products and services that promote consumers' financial and retirement security. The organization's member companies represent 95% of industry assets in the United States.

Houston is chair of the Greater Des Moines Water Trails initiative and serves on several boards including Business Roundtable, Employee Benefits Research Institute (EBRI), Iowa State University Business School Dean's Advisory Council, Future Ready Iowa and Partnership for a Healthier America (PHA). In October, the Greater Des Moines Committee named Houston to the Iowa Business Hall of Fame in recognition of his significant contributions to the enhancement and development of the state's economy.

Houston received his bachelor's degree from Iowa State University in 1984. He has appeared before the U.S. Senate Special Committee on Aging to discuss the importance of educating the workforce about the financial needs in retirement. Houston joined the joint forum of U.S. Senate Committees on Finance and Health, Education, Labor and Pensions to discuss "Private-Sector Retirement Savings Plans: What Does the Future Hold?" He also authored a chapter in "The Upside of Aging" published by John Wiley & Sons in 2014, on the keys to achieving financial security in retirement.

STUDENT MARSHALS

COLLEGE OF AGRICULTURE AND LIFE SCIENCES

Kayla Kaalberg

Hometown: Nichols, Iowa

Majors: Global Resource Systems, Agriculture and Society, World Languages and Cultures (Spanish)

Distinction: Cum Laude



Kayla is an honors student graduating *cum laude* with a triple major in Global Resource Systems, Agriculture and Society, & World Languages and Cultures (Spanish).

Kayla's passion for agriculture and leadership development are reflected in her service to the College of Agriculture and Life Sciences Ambassadors, Iowa and National FFA Organization and as an inaugural participant in the Cargill-Global Resource Systems Leadership Academy.

During her time at ISU, Kayla participated in seven study abroad experiences in Latin America, Africa, Europe, and the Middle East. Kayla also completed internships at the World Food Prize Organization and an internship for her Global Resource Systems major working on global strategy in Brazil for John Deere Financial.

After graduation Kayla will be working for John Deere as an Agriculture & Turf Marketing Representative.

Escort: Dr. Carmen Bain, Professor of Sociology

IVY COLLEGE OF BUSINESS

Thomas Pollard

Hometown: Ames, Iowa

Majors: Supply Chain Management & Statistics

Distinction: Summa Cum Laude



Thomas Pollard is graduating *summa cum laude* with a double major in supply chain management and statistics.

During his time at ISU, Thomas competed as a student athlete on Iowa State's cross country and track teams. He was actively involved in the Student-Athlete Advisory Committee, serving as co-president for a year, and representing Iowa State on the Big 12 Student Athlete Advisory Committee. Thomas also participated in a summer internship with Kingland Systems, serving as an advanced statistical analyst.

Following graduation, Thomas plans to continue taking courses at Iowa State University while he finishes his athletic eligibility.

Escort: Dr. Danny Johnson, Associate Professor of Supply Chain Management

COLLEGE OF DESIGN

Emmeline Nooren

Hometown: Hudson, Wisconsin

Major: Industrial Design

Distinction: Summa Cum Laude



Emmeline is graduating *summa cum laude* with a major in Industrial Design.

After moving with her family from the Netherlands to the United States in 2006, Emmeline is receiving her degree after three and a half years at Iowa State University. She is the first in her family to receive a degree from a university in the United States.

While at ISU, Emmeline has been on the Dean's List and placed in the top 2 percent of her class every semester, including six consecutive semesters with a 4.0 GPA. She studied industrial design in Florence, Italy, and interned as a designer researcher at Milwaukee Tool in Wisconsin. Emmeline also served as president of the Women Who Design student club.

After graduation, Emmeline will begin a full-time position at Milwaukee Tool.

Faculty Escort: Dr. Tejas Dhadphale, Assistant Professor of Industrial Design

STUDENT MARSHALS

COLLEGE OF ENGINEERING

Nicholas Wijaya

Hometown: Jakarta, Indonesia

Major: Aerospace Engineering

Distinction: Summa Cum Laude



Nicholas is graduating *summa cum laude* with a 3.95 GPA in aerospace engineering.

During his time at Iowa State University, Nicholas served as teaching assistant and as a research assistant investigating vortex methods for wind turbines. He also completed a six-month co-op with Collins Aerospace.

Nicholas held several leadership positions, as well, including president and treasurer for the American Institute of Aeronautics and Astronautics student chapter; corresponding secretary for the engineering honor society Tau Beta Pi; and president of the Indonesian Student Association.

After graduation, Nicholas has accepted a position as an engineer with Collins Aerospace.

Escort: Dr. Anupam Sharma, Associate Professor of Aerospace Engineering

COLLEGE OF HUMAN SCIENCES

Emma Kelley

Hometown: Leawood, Kansas

Major: Child, Adult, and Family Services

Distinction: Summa Cum Laude



Emma is graduating *summa cum laude* with a major in child, adult and family services.

During her time at Iowa State University, Emma raised money with the ExerCYze is Medicine program to build an inclusive playground, provided one-on-one respite care for children with special healthcare needs and assisted young men with disabilities in meeting their developmental goals.

Emma also assisted with high-impact research among older adults and used big data to improve early childhood services in Iowa. As part of her Honors research, Emma identified a gap in collaboration between Head Start programs and school districts.

After graduation, Emma will continue her research with Dr. Heather Rouse and attend graduate school.

Escort: Dr. Heather Rouse, Associate Professor of Human Development and Family Studies

COLLEGE OF LIBERAL ARTS AND SCIENCES

Manichanh Naonady

Hometown: Des Moines, Iowa

Major: Journalism and Mass Communications

Minor: Digital Media

Distinction: Cum Laude



Manichanh is graduating *cum laude* with a major in journalism and mass communications and a minor in digital media.

A first-generation college student, transfer student, and parent, Manichanh exemplifies the power of perseverance. Recognized on the Dean's List for five consecutive semesters, Manichanh has served as both editor-in-chief of "Cardinal Eats" magazine and as the George Washington Carver intern at The World Food Prize Foundation.

After graduation, Manichanh plans to work in food journalism, sharing how food connects people and bringing awareness of world hunger issues.

Escort: Sherry Berghefer, Associate Teaching Professor, Greenlee School of Journalism and Communication

CANDIDATES FOR DEGREES FROM THE COLLEGE OF AGRICULTURE AND LIFE SCIENCES

BACHELOR OF SCIENCE

Curriculum in Agricultural and Life Sciences Education

Allyssa Marie Blanchfield	Lake City, Iowa	**† Macy Elizabeth Marek	Riverside, Iowa
Claudia I. Brady	Pottstown, Pa.	** Rylie Lauren Meier	Clarence, Iowa
Joclyn Clare Bushman	Fort Atkinson, Iowa	Kyle James O'Brien	Hampton, Iowa
Victoria Lea Butt	Iowa Falls, Iowa	****† Jordon E. Oellerich	Lena, Ill.
* Haley Jo Carlson	Atlantic, Iowa	Bethany Mae Pillard	Coggon, Iowa
Jeffrey Dale Edwards	Ames, Iowa	Emilie Kay Prince	Linden, Iowa
Amelia Kathleen Head	Imogene, Iowa	Madison Scott Rouselow	Waterloo, Iowa
*** Haley Lee Hinrichs	Goodhue, Minn.	Heather Ann Schnitker	Alden, Iowa
Jody M. Houlihan	Williamsburg, Iowa	** Tia Renae Snyder	Truro, Iowa
Savannah Lee Ann Keitzer	Mediapolis, Iowa	* Sydney Kae Zehnder	Stanchfield, Minn.
Sara-Anne M. Kettelkamp	Marion, Iowa		

Curriculum in Agricultural Business

Cori Dawne Bebout	New Market, Iowa	Brant William McKibben	Marshalltown, Iowa
Samantha Nichole Beckman	Danville, Iowa	Samuel L. McLaughlin	Defiance, Iowa
Tucker Joshua Boeckman	Breda, Iowa	Devin Douglas Mentzer	Early, Iowa
Noah David Borkowski	Carroll, Iowa	Heidi Mueller	Madison, Wis.
Brian Dukelow	Pavilion, N.Y.	** Cole T. Neese	Davenport, Iowa
Jordan Geis-Agar	O'Fallon, Ill.	Brandon Joseph Ragaller	Vail, Iowa
Matthew Richard Gordon	Grand Junction, Iowa	Sloan S. Reighard	Richland, Iowa
* Sadie A. Gravel	Bernard, Iowa	David Thomas Reis	Urbandale, Iowa
Joshua Charles Herbstritt	Ashburn, Va.	* Lucas Allen Schultes	Audubon, Iowa
Mitchell Lee Herold	Fort Atkinson, Iowa	Chandler Kelley Strough	New Market, Iowa
Kaitlyn Rae Jacobs	Scotch Grove, Iowa	Jace W. Vandenberg	Ireton, Iowa
Ashley Marie Koberg	Durant, Iowa	* Sydney May Walker	Vinton, Iowa
Zixuan Liu	Nanjing, China	Keegan Lee Wederquist	Emerson, Iowa

Curriculum in Agricultural Studies

Andrea Renee Anderson	Williams, Iowa	Grant Avery Koch	Tama, Iowa
** John Nicholas Banwart	West Bend, Iowa	Mikaella Lynn Koster	Gladbrook, Iowa
Kendra Jo Berg	Osage, Iowa	Olivia Lynn Kresser	Independence, Iowa
Lexie Jayne Berry	Sac City, Iowa	Jamey Andrew Kuehn	New Hampton, Iowa
Adam Roy Brandt	Swea City, Iowa	Olivia Kay Kuhlert	Goodell, Iowa
Aaron Grant Cain	Chariton, Iowa	Andrew Ray Lambert	Montrose, Iowa
Zachary James Classen	West Bend, Iowa	Benjamin W. Lint	Perry, Iowa
Oliver Doyle Conner	Glidden, Iowa	Kayla Jean Lyon	Ames, Iowa
Vince Jeffrey Cook	Hubbard, Iowa	* Cameron Vaughn Mews	Williamsburg, Iowa
Taylor Elizabeth Cruise	Scotch Grove, Iowa	Timothy J. Murray	Des Moines, Iowa
Zachary William Davis	Winfield, Iowa	Cameron Onstot	Indianola, Iowa
Tristan C. Dittmer	Stanley, Iowa	Jaci Rose Reeves	Newton, Iowa
Tyler John Doran	Clarks Grove, Minn.	Nicholas Taylor Snyder	Odebolt, Iowa
Benjamin Connor Fitz	Melbourne, Iowa	Tessa Lee Sporrer	Carroll, Iowa
Ryan Carl Hamberg	Keosauqua, Iowa	Meranda Ellen Thimmes	Mechanicsville, Iowa
Jesse David Iben	Monticello, Iowa	Adam Lee Wiese	Bennett, Iowa

Curriculum in Agricultural Systems Technology

Logan Wade Adair	Truro, Iowa	Grant M. Marek	Riverside, Iowa
Robert David Best	Des Moines, Iowa	Cole Jeffrey Meier	Clarence, Iowa
Karli Jo Buckmeier	St. Michael, Minn.	** Calvin Eugene Orcutt	Delhi, Iowa
* Aaron Nelson Gent	Harper, Iowa	Herbert Ryan Allen Parrott	Diagonal, Iowa
* Jake D. Goecke	Marshalltown, Iowa	Jared Michael Shoup	Montpelier, Ohio
Michael Lynn Hershberger	Kalona, Iowa	Dane Brian Stevenson	Bloomfield, Iowa
Justin Patrick Hopp	Earlham, Iowa	Evan Andrew Stoffregen	Lakeville, Minn.
Steven D. Huber	Delhi, Iowa	* Sarah Nicole Thomas	Davenport, Iowa
Tyler Joseph Ketelsen	De Witt, Iowa	Ryan Andrew Wilson	Cresco, Iowa

Curriculum in Agriculture and Society

Kacy Christine Sampson Mason City, Iowa

Curriculum in Agronomy

* Brock Gode Berns	Waukon, Iowa	Nate Lyn Jesse	Newell, Iowa
** Hanna Ray Bjelica	Charles City, Iowa	Jessica Juarez	Sioux Rapids, Iowa
Azucena Castillo	May City, Iowa	Jacqueline Renee Kenyon	Alden, Iowa
Katherine Marie Catron	Indianola, Iowa	* Joshua Keith Krischel	Dwight, Ill.
Zachary Aaron Cicha	Iowa City, Iowa	Conner McElderry	Batavia, Iowa
*** Hailey Nicole Daufeldt	West Liberty, Iowa	Andy J. Pothoven	New Sharon, Iowa
Carson Dugger	Pella, Iowa	Tyler James Prizler	Williamsburg, Iowa
Patrick David Galland	Chico, Calif.	*** Shannon Nicole Rauter	Morristown, N.J.
Pedrick Mason Garrett	Milton, Iowa	Tessa Lee Sporrer	Carroll, Iowa
** Michael G. Geissinger	Marshfield, Wis.	Katherine Clare Stewart	Oelwein, Iowa
Andrew Morain Grill	Granger, Iowa	Nene Sirah Thiam	Bamako, Mali

Curriculum in Animal Ecology

James G. Ashmore	Darien, Ill.	David M. Livingston	Ames, Iowa
Lincoln Noah Baxter	Burlington, Iowa	Hunter Dude McAninch	Lovilia, Iowa
Thomas Luke Boeck	Keokuk, Iowa	Madison Kate McQueen	Oskaloosa, Iowa
Sidney L. Brenkus	Katy, Tex.	Vanessa Jo Mebus	Iowa City, Iowa
Samantha Marie Bute	Cedar Falls, Iowa	Alyssa J. Mechler	Algona, Iowa
Taylor Katherine Chansler	Fort Dodge, Iowa	Grant Welch Meek	Des Moines, Iowa
Jalyn Dawn Clark	Winterset, Iowa	Maxwell Ethan Moulden	Slater, Iowa
** Amy Sue Courtois	Peshtigo, Wis.	Katarina Barbara Olson	Fort Dodge, Iowa
Drake Richard Fehring	Crystal Lake, Ill.	Mya Jay Porter	Badger, Iowa
Joshua Matthew Ginzl	Pulaski, Wis.	Holly Faith Portis	Rockford, Iowa
Ashley Marie Hays	Frankfort, Ill.	Leah Sue Silver	Des Moines, Iowa
*** Reed Hunter Hoeness	Des Moines, Iowa	Erin Nicole Stuckey	Crescent, Iowa
***† Melissa Rae Krizan	New Hampton, Iowa	Taylin Frances Wittrock	Carrollton, Tex.
Dylan A. Lampe	Readlyn, Iowa		

Curriculum in Animal Science

Matthew Charles Alber	Shelbina, Mo.	Quinn Patricia Emerson	Camanche, Iowa
Sierra Elizabeth Becker	Indianola, Iowa	Katie Jean Pearl Faas	Lyle, Minn.
Joseph Douglas Bryson	Ames, Iowa	Alyssa Dawn Freestone	Sioux City, Iowa
Kelsey Lanea Butts	Des Moines, Iowa	** Nicole Giles	Willowbrook, Ill.
Shay N. Calendine	Ames, Iowa	Cassandra Jo Goldbeck	Clinton, Iowa
Caitlan Nicole Clark	Zearing, Iowa	Kathryn R. Groenenboom	Oskaloosa, Iowa
Heather Jean Coers	Cordova, Ill.	Jacob Daniel Hinshaw	Secor, Ill.
* Elizabeth Electa Cooper	Janesville, Wis.	Tristan D. Holden	Waterloo, Iowa
Grace Katherine Davidson	Mount Pleasant, Iowa	Treyton Allan Jacobsen	Ridgeway, Iowa
Shelby Lynn Deaton	Baxter, Iowa	* Austin Robert Janssen	Clarksville, Iowa
* Bailey Christine Decker	Lansing, Mich.	Dylan Joseph Kiepe	Ute, Iowa
Kaitlin Elizabeth Dozier	Fort Dodge, Iowa	Savannah Marie Kittell	Brighton, Mich.
Matthew Hubbard Eiben	Colesburg, Iowa	Dana Marie Knight	Morris, Ill.

* Cum Laude
** Magna Cum Laude

*** Summa Cum Laude
† Honors Program

Rachel Marie Kucera	Waukon, Iowa	* Christina Marie Schmit	Hospers, Iowa
Miranda Jean Lammers	Sioux Center, Iowa	Jaye Ellen Schuelke	Storm Lake, Iowa
Joshua Paul Lindquist	Fairmont, Minn.	Jacob Wayne Smith	Sidney, Iowa
Bethany Michelle Maen	Ankeny, Iowa	Paige E. Sohm	Ogden, Iowa
Rachel Brooke Markey	Tennessee, Ill.	Megan Marie Spiegel	Hamilton, Ohio
** Kaitlyn Marie Mason	Emmetsburg, Iowa	Sydney Rose Steenhoeck	Chariton, Iowa
** Emily Paige Mercier	Niwot, Colo.	* Natalie Grace Stout	Vinton, Iowa
** Rachel Katherine Nettleton	Joice, Iowa	Andrea Celline P. Tan	Ames, Iowa
Paige Kristine Newman	Carthage, Ill.	Cierra Marie Thompson	Malcom, Iowa
Kathleen Anne O'Haire	Belvidere, Ill.	** Jessica M. Van Der Heyden	Ankeny, Iowa
** Garrett Jacob Onstot	Carlisle, Iowa	*** Sarah E. VanDeWalle	Brandon, Iowa
Amanda Vera Osland	Grinnell, Iowa	Alex Christopher Wiesen	Lecanto, Fla.
** Delaney Ann Ridgway	Eldon, Iowa	*** Joshua Thomas Wolff	Maplewood, Minn.
Christopher W. Roberts	Alleman, Iowa	* Victoria Alise Wynn	Sioux City, Iowa
Julianna Rae Sauve	Osage, Iowa		

Curriculum in Biology

Amara R. Austin	Boone, Iowa	Austin R. Kosusnik	Genoa, Ill.
Megan Gard	Johnston, Iowa	Jesse Lee McGregor	Des Moines, Iowa
Matthew Joseph Goodman	Lime Springs, Iowa	Madeline Lilly McMullen	Nevada, Iowa
*** Brooklyn M. Henderson	Menomonie, Wis.	Amali Immanuelle Stephens	Austell, Ga.
Jessica Kay Hess	Cedar Rapids, Iowa	Mackenzie Justine Stone	Coal Valley, Ill.
Noelle Kathryn Houck	Radcliffe, Iowa	Daniel Dean Turk	Ankeny, Iowa
Michael Kalhorn	Des Moines, Iowa	Francesca Carmen Villacrez	Verona, Wis.

Curriculum in Culinary Food Science

Frederic Jordan Kalb	Dubuque, Iowa	** Ambar C. Morales Cuadrado	Aguadilla, Puerto Rico
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Curriculum in Dairy Science

Jeremy John Hackenmiller	Stacyville, Iowa
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Curriculum in Dietetics

Natali Rimoun Jouzi	Amman, Jordan	** Ambar C. Morales Cuadrado	Aguadilla, Puerto Rico
Guo Li	Zhengzhou, China		

Curriculum in Environmental Science

** Amanda Kaitlin Cole	State Center, Iowa	** Taylor Elise Mauch	Ankeny, Iowa
Michaela Rose Fischer	Newton, Iowa	James Edward McDermott	Spencer, Iowa
* Jessica Lynn Jancaric	Lombard, Ill.	Will Justice Montgomery	Monticello, Ill.
***†Melissa Rae Krizan	New Hampton, Iowa	Ethan Louis Pillard	Coggon, Iowa
Taylor Ashley Manemann	Huntington Beach, Calif.		

Curriculum in Food Science

Michael David Keilman	Roselle, Ill.	Kathryn Rose Westfield	Victoria, Minn.
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Curriculum in Forestry

Matthew Jacob Buchacker	Pleasant Hill, Iowa	* Jesse Mansfield Matt	Clermont, Iowa
Logan Michael Cinnamon	Waukee, Iowa	** Cody Michael McKune	Davenport, Iowa
Samantha Mae Deal	Fort Dodge, Iowa	** Luke Edward Oja	Des Moines, Iowa
Ted Jonathan Lenaerts	Cedar Falls, Iowa		

Curriculum in Genetics

* Razan Alsayed Omar	Kuwait	***†Scarlett Ariel Eagle	Johnston, Iowa
* Aaron Michael Bill	Ankeny, Iowa	Mark Thomas Kuhnlein	Ankeny, Iowa

* Cum Laude

*** Summa Cum Laude

** Magna Cum Laude

† Honors Program

Curriculum in Global Resource Systems

Sierra Elizabeth Becker	Indianola, Iowa	Evy Sorlie Ohrstrom	Arlington Heights, Ill.
Katherine Marie Catron	Indianola, Iowa	** Garrett Jacob Onstot	Carlisle, Iowa
Elizabeth Mariko Hada	West Des Moines, Iowa	*** Shannon Nicole Rauter	Morristown, N.J.
Joseph Allen Lavastida	Clive, Iowa	Emma Louise Robinson	Corydon, Iowa
* Jesse Mansfield Matt	Clermont, Iowa	Katherine Clare Stewart	Oelwein, Iowa

Curriculum in Horticulture

** Olivia Anne Allen	Sperry, Iowa	* Matthew K. Ellis	Alexander, Iowa
Alexander Scott Anthony	Severn, Md.	Adam P. Henscheid	Clive, Iowa
Brooke Bennett	Chicago, Ill.	Ian Drake Johnson	Cedar Rapids, Iowa
Elizabeth M. Boehm	Hudson, Wis.	Camren Michael Jones	Harlan, Iowa
Benjamin Dean Chapin	Carson, Iowa	*** Alexander Polnow	Mason, Ohio
Zachary Aaron Cicha	Iowa City, Iowa	* Priscilla G. Sletten	Marshalltown, Iowa
Betsy Fae Coy	Lacona, Iowa	* Sarah Elizabeth Steffen	Ames, Iowa
Madeleine Margaux Dalbec	Wadsworth, Ill.	Paige Erin Van Mersbergen	Oskaloosa, Iowa
Jean-Luc D. Del Valle	Miami Gardens, Fla.	Amanda Caldeen Van Scoy	Coal Valley, Ill.

Curriculum in Industrial Technology

Josiah Michael Abbott	West Des Moines, Iowa	Peter Anthony Hartnett	Minneapolis, Minn.
Robert David Best	Des Moines, Iowa	Jason David Hunt	Urbandale, Iowa
* Jonathan T. Blakeley	Ames, Iowa	Ryan Michael Londerville	Swisher, Iowa
* Troy Allen Bochmann	Fairfield, Iowa	Antonio Thanousone Lovan	Des Moines, Iowa
Daniel Joseph Chapman	Spirit Lake, Iowa	Brendan K. Maye	Dayton, Ohio
* Anders James Chelgren	Plymouth, Minn.	Scott Milton Mickow	Crystal Lake, Ill.
Camden Angelo Chicchelly	Cedar Rapids, Iowa	Matthew Garrett Poppe	Norwalk, Iowa
Jeffrey G. Christensen	Norwalk, Iowa	Mark James Rogers	Monticello, Iowa
Michael T. Fredrickson	Pulaski, Wis.	Logan Nathaniel Stiles	Ankeny, Iowa
Nicholas Alexander Gambs	Dunlap, Iowa	Ian Gregory Stroube	Swansea, Ill.
Ria Nickole Gasaway	Des Moines, Iowa	Holden James Terpstra	Perry, Iowa
* Aaron Nelson Gent	Harper, Iowa	* Sarah Nicole Thomas	Davenport, Iowa
Adam Robert Graettinger	Waverly, Iowa	Trenton Lawrence Tisor	South Elgin, Ill.
Matthew Michael Hart	Carol Stream, Ill.	Brian David Whitley	Ames, Iowa

Curriculum in Microbiology

Jackson Philip Broderick	Waukee, Iowa	Amanda R. Kiehl	Sully, Iowa
Jordain A. Croker	Story City, Iowa	Mark Thomas Kuhnlein	Ankeny, Iowa
Anthony James Davis	Davenport, Iowa	Stephanie Jiyin Lee	Seoul, South Korea
Sharon Freeland	Ankeny, Iowa	Haley Rose Ullestad	Knoxville, Iowa
Sarah Ann Freund	Vista, Calif.	Braden Conrad Weiser	West Des Moines, Iowa

Multiple Curricula and Majors

- * **Megan Christina Adam** *Harper, Iowa*
Agriculture and Society and Liberal Arts and Sciences: Major in Political Science
- Valeria Sofia Bertolotto** *Maple Grove, Minn.*
Global Resource Systems and Environmental Studies
- Joseph Paul Blake** *Shenandoah, Iowa*
Agricultural Systems Technology and Industrial Technology
- **† **Elaina Marie Conrad** *Mount Pleasant, Iowa*
Global Resource Systems and Agriculture and Society and Liberal Arts and Sciences: Major in World Languages and Cultures
- Alexis Marie Everett** *Jesup, Iowa*
Global Resource Systems and Environmental Studies
- * **Lucas Michael Goodman** *Montezuma, Iowa*
Animal Ecology and Environmental Studies
- Connor Lynn Gordon** *Grafton, Iowa*
Agricultural Systems Technology and Industrial Technology
- John William Henrich** *Clive, Iowa*
Global Resource Systems and Environmental Studies
- *** **Kayla Marie Kaalberg** *Nichols, Iowa*
Global Resource Systems, Agriculture and Society, & World Languages and Cultures (Spanish)
- * **Nathan Andrew Kruger** *Columbus, Neb.*
Industrial Technology and Agricultural Systems Technology
- Emily Joy Meierotto** *Manly, Iowa*
Agricultural Business and Liberal Arts and Sciences: Major in Economics
- Luke Thomas Milefchik** *Iowa City, Iowa*
Environmental Science and Biology
- ***† **Madison M. Mueller** *Broomfield, Colo.*
Agricultural Business and Liberal Arts and Sciences: Major in Economics
- * **Chee Gang Ngui** *Selangor, Malaysia*
Horticulture and Seed Science
- ** **Taylor Marie Reth** *Hopkinton, Iowa*
Agricultural Systems Technology and Industrial Technology
- Jesse John Rose** *Cleghorn, Iowa*
Agricultural Studies and Agricultural and Life Sciences Education
- Gracie Maude Russell** *Prescott, Iowa*
Agricultural Business and International Agriculture
- Jessica Lynn Schoonover** *Washington, Iowa*
Animal Science and Animal Ecology
- Samantha Nicole Shimota** *Lakeville, Minn.*
Environmental Science and Animal Ecology
- Nicole Grace Stout** *Ankeny, Iowa*
Environmental Science and Biology
- Austin B. Tersteeg** *Olivia, Minn.*
Agricultural Business and Liberal Arts and Sciences: Major in Economics
- Jacob Edward Titmus** *Sutherland, Va.*
Agricultural Systems Technology and Industrial Technology

CANDIDATES FOR DEGREES FROM THE IVY COLLEGE OF BUSINESS

BACHELOR OF SCIENCE

Major in Accounting

Karolyn Michelle Artino	Waukeez, Iowa	*** Mackenzie M. Nehls	Waukeez, Iowa
Nolan T. Black	Red Oak, Iowa	Alex Newman	West Des Moines, Iowa
* Kyle Bransky	Solon, Iowa	Dashia Lynn Nuzum	Woodbine, Iowa
Sara Ann Braymen	Council Bluffs, Iowa	* Alexandra Ann Patterson	St. Ansgar, Iowa
*** Noah James Buikema	Clinton, Iowa	** Mallery Anne Pecinovsky	Urbandale, Iowa
*** Arik Patrick Burke	Rockford, Ill.	Ryan Matthew Petersen	Palatine, Ill.
** Sarah Byrd	Boone, Iowa	Keller K. Prien	West Des Moines, Iowa
Matthew Callison	Schaumburg, Ill.	* Emma Eileen Roe	Waterloo, Iowa
Bin Chen	Changshu, China	*† Payton Ashleigh Rush	Griswold, Iowa
Fei Chen	Chengdu, China	Michele Scott	Ames, Iowa
Thomas Mark Chidley	Des Moines, Iowa	* Cole Mitchell Siders	Sioux City, Iowa
* Yonghyun Chung	Seoul, South Korea	Samuel Nathan Sie	San Gabriel, Calif.
Tyler James Coffey	Rockford, Ill.	Courtney Kay Steadman	Perry, Iowa
Zijie Deng	Wuhan, China	** Jonah Gabriel Stovall	Milton, Iowa
** Abby Elizabeth Derner	Carroll, Iowa	** Noah Michael Stovall	Milton, Iowa
** Kaylee Alyse Edwards	Waukeez, Iowa	Melissa Nicole Trigoutis	West Des Moines, Iowa
Zichun Feng	Chengdu, China	Hannah Van Heukelom	Knoxville, Iowa
Natalie Rose Gammon	Ames, Iowa	* Ann Marie Waigand	Afton, Iowa
* David Walter Gasper	Vestal, N.Y.	Mingyue Wang	Chengdu, China
Matthew Thompson Gessner	Coralville, Iowa	Ziyue Wang	Chengdu, China
Sikyun Kim	South Korea	Andrew Lawrence Westberg	Antioch, Ill.
** Dillon Eric James Lesourd	Bartonville, Ill.	* Wenyi Wu	Chengdu, China
* Yu Liu	Chengdu, China	* Hongju Zhu	Beijing, China
Taylor Marie Lock	Packwood, Iowa		

Major in Business Economics

Alexander Wilhelm Haas	West Bend, Wis.	Drake C. Krambeer	Cedar Rapids, Iowa
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Major in Entrepreneurship

Kathryn Ann Lee	Swisher, Iowa	* Toni Lee Ruhl	Altoona, Iowa
Austin Micheal Lohman	Ames, Iowa	Christopher A. Smith	Waterloo, Iowa
** Mallery Anne Pecinovsky	Urbandale, Iowa		

Major in Finance

Aayushi	Indore, India	Luke Donnelly	Des Moines, Iowa
Jason Dennis Allen	Streamwood, Ill.	Dylan Earl Ehlen	Belle Plaine, Iowa
Erik Scott Anderson	Elgin, Ill.	** Justin M. Elias	Bolingbrook, Ill.
Jared C. Batty	Mount Pleasant, Iowa	Mitch S. Fowler	Montgomery, Ill.
Justin Jay Brehmer	Overland Park, Kans.	Yuan Gao	HuaiBei City, China
** Valeria A. Catari Varela	Barquisimeto, Venezuela	Michael P. Giunta	Wauconda, Ill.
Emmanuel Chiclana Gonzalez	Caguas, Puerto Rico	Alex Michael Gonzalez	Clear Lake, Iowa
* Thomas Anthony Clem	Ames, Iowa	Bryan Eduardo Gonzalez	Des Moines, Iowa
Aaron Thomas Clifford	Edina, Minn.	* Austin James Halligan	Fort Dodge, Iowa
Nicholas Kirk Costello Jr.	Bettendorf, Iowa	Thomas James Hanson	Rochester, Minn.
* Kyle Adam DeVary	Estherville, Iowa	** Jiaming Hao	Zhengzhou, China
Tate Andrew Devries	Waukeez, Iowa	*** Bo Huang	Ames, Iowa

* Cum Laude

*** Summa Cum Laude

** Magna Cum Laude

† Honors Program

Matthew Kenneth Huisman	Cedar Falls, Iowa	Ethan M. Psyk	McFarland, Wis.
Kyle James Hurley	Geneva, Ill.	** Weinan Que	Chengdu, China
Decheng Jin	Harbin Heilongjiang, China	*** Samuel C. Richter	Rock Valley, Iowa
*** Hannah Renee Kath	Woodbury, Minn.	Lauren Mary Rieck	Ankeny, Iowa
Joshua Alan Kloewer	Defiance, Iowa	Bryan Stephen Rodriguez	Los Angeles, Calif.
* Chase Kristian Koch	Cedar Falls, Iowa	* Samuel Thomas Roelofs	Cresco, Iowa
* Evan Michael Koehler	East Dubuque, Ill.	Brendan P. Schafer	Clive, Iowa
* Nathan Scott Kompelien	Winona, Minn.	*** Jaden Marie Schug	Ida Grove, Iowa
Macintyre Stephen Loven	Plymouth, Minn.	Mengyue Si	Taiyuan, China
Zihao Luo	Chengdu Sichuan,	Zachary N. Silbermann	Chagrin Falls, Ohio
Rodolfo Marquez	Des Moines, Iowa	Dylan Ray Soehner	Prairie Grove, Ark.
Braden Marvin	Hudson, Wis.	Kevin Xavier Stewart	Bettendorf, Iowa
Riley Del Marvin	Coralville, Iowa	** Jonah Gabriel Stovall	Milton, Iowa
Harrison McCarey	Newton, Iowa	** Noah Michael Stovall	Milton, Iowa
Alexandru Ionut Mitirica	Riccione Rimini, Italy	Jack D. Swanson	Ames, Iowa
Andrew Reese Mong	Waterloo, Iowa	* Benjamin Deane Thomas	Springfield, Ill.
Bo Pang	Shen Zhen City, China	* Wei Tian	Nanchong, China
Junmin Park	Seoul, South Korea	* Kenan Darin Ulmer	Cedar Rapids, Iowa
Caleb Edward Paterson	Johnston, Iowa	Derrie Shay Vonnahme	Carroll, Iowa
Stallon Joseph Pereira	Thane, India	Chayanit Wangmahaporn	Rayong, Thailand
Sophie Grace Peterson	Prior Lake, Minn.		

Major in Management

Ian Muller Alviani	Buffalo, Minn.	Wina Mahendra	Karawang, Indonesia
Dakota R. Boyer	Carroll, Iowa	** Ryan Patrick McCarthy	Sioux City, Iowa
Aaron Michael Dejoode	Pella, Iowa	Christina Mae Oberheim-Vorwald	Indianola, Iowa
Jacob Gerard Dowd	Des Moines, Iowa	Schafer Michael Overgaard	Albert Lea, Minn.
** Kaylee Alyse Edwards	Waukee, Iowa	Zachary Lee Parker	Altoona, Iowa
*** Rose M. Eischeid	Carroll, Iowa	Thanh V. Phan	Sioux City, Iowa
Majid Elshorafa	Chicago, Ill.	Ryan Chaney Rathje	Perry, Iowa
Austin John Fleener	Carroll, Iowa	Edward Davis Roberts	Dallas Center, Iowa
Dalton Lee Grove	Guthrie Center, Iowa	Ryan D. Ruffcorn	Altoona, Iowa
Alexis Rose Harbaugh	Mason City, Iowa	Kacie Marie Schweinberg	Fox Lake, Ill.
Jace Clinton Heacock	Maumee, Ohio	* Raegen Marie Smith	Greenfield, Iowa
Kasey Michael Heaton	Sioux City, Iowa	Taylor Jordan Smits	Sergeant Bluff, Iowa
Emilie Grace Herter	Iowa Falls, Iowa	Joshua Paul Stotts	Urbandale, Iowa
Laynee Nicole Hill	Ames, Iowa	Nina Thiravong	Des Moines, Iowa
Riley Shayne Leaders	West Des Moines, Iowa	James Anders Tinaglia	Arlington Heights, Ill.
Ryan James Leick	Durango, Iowa	Nathan Robert Utesch	Correctionville, Iowa
Andrew J. Lindemoen	Collins, Iowa	Hannah Nichole Van Wyk	Ankeny, Iowa
Zhengxing Liu	Beijing, China	Collin James Vinyard	Valparaiso, Ind.

Major in Management Information Systems

Aayushi	Indore, India	Josine Rachel Gossling	Waucoma, Iowa
Cody Christopher Beals	Nevada, Iowa	* Joshua J. Gravedoni	Sioux City, Iowa
Sara Ann Braymen	Council Bluffs, Iowa	Matthew J. Hannam	Marshalltown, Iowa
James Austin Caldwell	Madison, Wis.	Emeline Rose Hanscel	Rochester, N.Y.
Luis Gerardo Camacho Jr.	Des Moines, Iowa	Kyle John Hevey	Rake, Iowa
Bin Chen	Changshu, China	Cody Leo Hubner	West Des Moines, Iowa
Nicholas Scott Culver	Marion, Iowa	Michael Edric Johnson	Minneapolis, Minn.
Riley Ellen Darrah	Corydon, Iowa	** Troy Brandon Jones	Eustace, Tex.
Tahvisak Jaden Dejvongsa	Hopkins, Minn.	** Mariya Karasseva	Eden Prairie, Minn.
Zijie Deng	Wuhan, China	Lisa Anne Marie Karnofski	Longview, Wash.
Joseph Jordan Dickman	Carroll, Iowa	Samih Khalaf	Ames, Iowa
Kristopher Ray Dietrich	Muscatine, Iowa	Alec Michael Kuehn	Granger, Iowa
** Katherine S. DuVall	Aurora, Ill.	Harrison McCarey	Newton, Iowa
Keegan V. Ferreter	Cedar Rapids, Iowa	Keagen Laif Nelson-Talley	Richfield, Minn.
Andrew Michael Freed	West Des Moines, Iowa	* Adam Lee Olson	Ankeny, Iowa
* David Walter Gasper	Vestal, N.Y.	Johnathon David Ortega	Bettendorf, Iowa
** Zachary Alan Geltmacher	Good Hope, Ill.	Jinal K. Patel	Waterloo, Iowa

* Cum Laude

*** Summa Cum Laude

** Magna Cum Laude

† Honors Program

Wuchen Peng	Zhongshan, China	Bailey Michael Teply	Council Bluffs, Iowa
Loc Thi Phan	Sioux City, Iowa	** Joshua Reed Thompson	Clive, Iowa
Juan Carlos Pina	Des Moines, Iowa	Austin Craig Thoms	Treynor, Iowa
Ty Michael Pitt	Missouri Valley, Iowa	Jacob Edwin William Thul	Algona, Iowa
Kelsey Mckay Polaski	Roland, Iowa	Dustin James Toy	Marion, Iowa
Conor Michael Pounds	Ames, Iowa	Josh Keoni Vilchuck	Batavia, Ill.
Jyoti Rana	Chandigarh, India	Troy Kabii Wangongu	Rosemount, Minn.
** Elizabeth Riley Roberts	Golden City, Mo.	Mitchell Blake Wearne	Urbandale, Iowa
* Emma Eileen Roe	Waterloo, Iowa	Bohua Wei	Coralville, Iowa
* Toni Lee Ruhl	Altoona, Iowa	Paige Suzanne Weidner	West Des Moines, Iowa
Edward Sadoon		Luke Evan Willenborg	Robins, Iowa
Tyler Brooks Sanborn	Cedar Rapids, Iowa	Seydou Yacouba Seydou	Fort Dodge, Iowa
Elijah Abraham Sedqi	Robbinsdale, Minn.	Fangyang Zheng	Fuzhou, China
Adam Quinn Silberstein	Slater, Iowa	Michael Ziluck	Newtown, Conn.
Keegan David Sublette	Lakeville, Minn.	*** Derek Andrew Zobler	Los Angeles, Calif.
Sarah Christine Tan	Mason City, Iowa		

Major in Marketing

Justin Charles Becvar	Des Moines, Iowa	Madison Grace Lund	Altoona, Iowa
Christopher J. Black	Cedar Rapids, Iowa	*** Scott Patrick Macarthy	Urbandale, Iowa
Chandra Lynn Bolin	Kansas City, Mo.	* Hannah E. Manson	Cedar Rapids, Iowa
Kathleen R. Bussan	Cary, Ill.	Kyle Ingvald Maranhas	St. Charles, Ill.
Molly Kathryn Dean	Glenwood, Iowa	*** Brianna Lyn Masten	Van Horne, Iowa
Heidi Grace DeBoer	Ankeny, Iowa	John Patrick McAllister	Urbandale, Iowa
Mollie Deskin	Wauke, Iowa	** Shae Lynn McHugh	Mendota Heights, Minn.
Carolyn E. Devine	Des Moines, Iowa	Joshua Michael Myers	Conrad, Iowa
Kara Allison DeVore	Adel, Iowa	Samantha Rose Nichols	Ankeny, Iowa
Philip Joontae Dickinson	Council Bluffs, Iowa	Shamus Matthew O'Connell	Cedar Rapids, Iowa
Joshua James Dingle	Village Of Lakewood, Ill.	Benjamin Joseph Pauli	Carroll, Iowa
Katelyn Elizabeth Douglas	Ankeny, Iowa	Ashley Ann Pelton	Willowbrook, Ill.
Majid Elshorafa	Chicago, Ill.	McKenzie J. Peters	Ames, Iowa
Disa Marie Erickson	Mount Horeb, Wis.	Brenden Phongsavanh	Storm Lake, Iowa
* William C. Franke	Ames, Iowa	Mitchell R. Pokora	Naperville, Ill.
Rudolph Garza Jr.	Chicago, Ill.	Angelica Marie Post	Mason City, Iowa
Lauren Elizabeth Gifford	Cedar Rapids, Iowa	Mollie Marlene Ray	South St Paul, Minn.
Gannon Fredrick Gremmel	Dubuque, Iowa	Mackenzie Dawn Richter	Glenwood, Iowa
Jake Ryan Gutschenritter	Creston, Iowa	Ignacio Chavez Romero	Sibley, Iowa
*** Nicholas Noble Hanstad	Johnston, Iowa	** Michael Anthony Sacchetti	Hastings, Minn.
Emma M. Hartman	Huxley, Iowa	Alaina Catherine Sauer	Savage, Minn.
Colby Allen Hawkins	West Des Moines, Iowa	** Jolene B. Schaefer	Scottsdale, Ariz.
Lauren Ann Hilton	Urbandale, Iowa	Mikayla Ann Showers	Indianola, Iowa
Olga Kallapodi	Chicago, Ill.	Nathan Michael Simmons	Carroll, Iowa
Dakota Alexis Karthan	Ankeny, Iowa	Drue Kathleen Specht	Fort Dodge, Iowa
Alec Jansen Kilstrom	Johnston, Iowa	Jillian Margaret Streit	Johnston, Iowa
AnneMarie Faye Klumpp	Sioux Falls, S. Dak.	Matthew John Stubblefield	Sioux City, Iowa
Luke Andrew Kuntz	Inver Grove Heights, Minn.	Thomas David Swessinger	Des Moines, Iowa
** Zhiming Liu	Dandong, China	Nina Thiravong	Des Moines, Iowa
Christian David Luecke	Freeport, Ill.		

Major in Supply Chain Management

Noah Andrew Blankespoor	Inwood, Iowa	* Kurt J. Halbach	Mason City, Iowa
Tyler Thomas Brown	Waterloo, Iowa	* Curtis Brock Harryman	Winterset, Iowa
Thomas Mark Chidley	Des Moines, Iowa	Brandon Hayek	West Des Moines, Iowa
Tyler Scott Cooper	Davenport, Iowa	Andrew Michael Hepperla	Brookfield, Wis.
Zachary Jon Diener	Naperville, Ill.	Martin Jacob Kemp	Boone, Iowa
Nathan Robert Drapeau	Le Claire, Iowa	Chase William Kipper	Le Claire, Iowa
Yueming Du	Chengdu, China	William Mclain Lord	Minnetonka, Minn.
Tyrone J. Fleming	Park Forest, Ill.	Dhanya Chispa-Lee Lott	Pomeroy, Iowa
* Mackenzie Fuller	New Sharon, Iowa	** Ryan Patrick McCarthy	Sioux City, Iowa
Leo Robert Glueckstein	Excelsior, Minn.	Cameron Paul McInerney	Cedar Rapids, Iowa

* Cum Laude
** Magna Cum Laude

*** Summa Cum Laude
† Honors Program

Skyler Marshall Michalski	Clare, Iowa	Ryan Chaney Rathje	Perry, Iowa
Cody Mortensen	Grinnell, Iowa	Jayson Salsbery	Cedar Rapids, Iowa
Erick Dharma Santoso Ong	Ames, Iowa	Rahul Sarkar	Ames, Iowa
Samuel Jacob Parker	Ankeny, Iowa	* Ryan Michael Sheridan	Wheaton, Ill.
Tyler Scott Petersen	Milford, Iowa	Carlian Alban Dudley Strachan	Nassau, Bahamas
Conner Benjamin Carl Pietsch	Huxley, Iowa	Adam Joseph Tovar	Delafield, Wis.
Bartosz K. Ponicki	Elmhurst, Ill.	* Jingyi Wen	Chengdu, China

Multiple Curricula and Majors

Kyler Austin Bemis	Letts, Iowa	Anna Khalil Kingsbury	Apple Valley, Minn.
Marketing and Management		Accounting and Finance	
Thomas Anders Bombeck	Lino Lakes, Minn.	*** Hogan Marshall	Eagan, Minn.
Management Information Systems and Marketing		Marketing and Finance	
Annabella Maria Bonadonna		*** Thomas George Pollard	Ames, Iowa
Accounting and Supply Chain Management		Supply Chain Management and Liberal Arts and Sciences: Major in Statistics	
Joshua Adam Bourassa	Cresco, Iowa	**† Tyler James Raymie	Knoxville, Iowa
Management and Marketing		Management and Finance	
Cullin E. Brendeland	Hastings, Minn.	Collin Blake Earl Robison	Cantril, Iowa
Supply Chain Management and Marketing		Marketing and Management Information Systems	
Aliyah Kaprice Campbell	Waterloo, Iowa	** Derek S. Salwei	Spring Lake Park, Minn.
Marketing and Supply Chain Management		Finance and Accounting	
** Rocco William Carson	Des Moines, Iowa	Neil Henry Schneider	Naperville, Ill.
Accounting and Management Information Systems		Marketing and Management	
William A. Dardon Goodall	Elk River, Minn.	* McKenzie Renee Short	Urbandale, Iowa
Management and Liberal Arts and Sciences: Major in World Languages and Cultures (Spanish)		Accounting and Finance	
Maria Regina Espindola	Mexico City, Mexico	Martin Francis Shudak	Council Bluffs, Iowa
Supply Chain Management and Marketing		Finance and Business Economics	
Trenton A. Frederickson	Dayton, Minn.	Alison Marie Soelberg	Granger, Iowa
Finance and Liberal Arts and Sciences: Major in World Languages and Cultures (Spanish)		Management Information Systems and Liberal Arts and Sciences: Major in Public Relations	
Josine Rachel Gossling	Waucoma, Iowa	Russell Edgar Thompson	Eden Prairie, Minn.
Supply Chain Management and Marketing		Finance and Business Economics	
Emeline Rose Hanscel	Rochester, N.Y.	Austin Robert Tidemann	Eleva, Wis.
Accounting and Finance		Supply Chain Management and Environmental Studies	
Erik Christopher Hovey	Cedar Rapids, Iowa	*** Kamron M. Van Hulzen	Oskaloosa, Iowa
Finance and International Business		Finance and Accounting	
Ryan M. Jennings	Spirit Lake, Iowa	Michael Harrison Wadle	Ames, Iowa
Finance and Liberal Arts and Sciences: Major in Economics		Supply Chain Management and Management Information Systems	
Abdullah Salah Joudeh	Amman, Jordan	Ruiguang Zhao	Beijing, China
Management Information Systems and Supply Chain Management		Finance and Liberal Arts and Sciences: Major in Mathematics	

* Cum Laude
** Magna Cum Laude

*** Summa Cum Laude
† Honors Program

CANDIDATES FOR DEGREES FROM THE COLLEGE OF DESIGN

BACHELOR OF ARCHITECTURE

Curriculum in Architecture

* Nahla Al Naamani Abdelrahman Ala Al-Bakri	Muscat, Oman Amman, Jordan	Tomi Laja * Ryoka Matsuno	Mount Prospect, Ill. Schaumburg, Ill.
* Madeline Bany Brady James Bender	Hiawatha, Iowa Carroll, Iowa	Shuhan Nie ** Sung Woo Park	Karamay, China Seoul, South Korea
Chao Chang ** Emma Louise Henry	Tianjin, China Mankato, Minn.	* Fernando Ramos Carvalho Shuocong Yuan	Brumadinho, Brazil Shanghai, China
* Seth Daniel Jenkins	Sartell, Minn.	Rui Zhang	Beijing, China

BACHELOR OF ARTS

Curriculum in Art and Design

Marissa Marie Elsberry Rachel Diane Selig	Ogden, Iowa Decorah, Iowa	Eliza Jack Sibley Erika-Mychael Skogerson	Garnett, Kans. Van Meter, Iowa
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Curriculum in Interdisciplinary Design

Caitlin Marie Riley	North Aurora, Ill.
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BACHELOR OF DESIGN

Curriculum in Design

Abdelrahman Ala Al-Bakri	Amman, Jordan
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BACHELOR OF FINE ARTS

Curriculum in Graphic Design

Miranda Paige Solberg	Gilbert, Iowa	Rachel M. Ulven	Sioux City, Iowa
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Curriculum in Integrated Studio Arts

** Henry Scott Crowley Emmy Lynn Gregory	Bettendorf, Iowa Liberty, Mo.	** Kirsten June Morford * Jeremy Adam Roy	Earlham, Iowa Grimes, Iowa
** Andrew Huerta-Musil	Texcoco, Mexico		

* Cum Laude

** Magna Cum Laude

*** Summa Cum Laude

† Honors Program

Curriculum in Interior Design

* Paige Victoria Panek Bolingbrook, Ill.

BACHELOR OF INDUSTRIAL DESIGN

Curriculum in Industrial Design

Ebere C. Agwuncha	Westchester, Ill.	** Melody M. Rosche	Marion, Iowa
* Ethan T. Hiscocks	Johnston, Iowa	*** Austin Henry Schultz	Lakeville, Minn.
Ryan J. Hunt	Ankeny, Iowa	* Soo Peng Siang	Malacca, Malaysia
Grant William Kelley	Carlisle, Iowa	Yuechen Wang	Chengdu, China
*** Emmeline Phylcia Maria Nooren	Hudson, Wis.		

BACHELOR OF SCIENCE

Curriculum in Community and Regional Planning

Ali Mohammed H. Alnuaimi		Aaron James Lucius	Madison, Wis.
	Alain, United Arab Emirates	Pengfei Sun	Shenyang, China
* Sydney Loy Dunphy	Creston, Iowa	Bridget Lee Williams	Cedar Rapids, Iowa

Multiple Curricula and Majors

* Laurel P. Stelter Pella, Iowa
Community and Regional Planning and
Environmental Studies

CANDIDATES FOR DEGREES FROM THE COLLEGE OF ENGINEERING

BACHELOR OF SCIENCE

Curriculum in Aerospace Engineering

Abiel Amador Jr.	Montgomery, Ill.	*** Garrett Miller	Stillwater, Minn.
Brooke Nicole Barrett	Granger, Iowa	Dillyn Alan Mumme	Mount Pleasant, Iowa
*** Garrett Alan Berry	Acton, Calif.	Joseph James Nash Jr.	Omaha, Neb.
Adam C. L. Bodensteiner	Fairbank, Iowa	* Spencer Christian Nord	Maple Grove, Minn.
Charles Raymond Borawski	Long Grove, Ill.	Sagar Dipak Patel	Cedar Rapids, Iowa
Sean Michael Card	Audubon, Iowa	Alexander James Pierson	Stillwater, Minn.
Sean Declan Collins	Sun Prairie, Wis.	Matthew Isaac Plewa	Janesville, Wis.
Benjamin Rhys Curley	Urbana, Iowa	Nicholas B. Pollock	Overland Park, Kans.
*** Lisen Deng	Chengdu, China	***† Thomas Webb Powell	Rochester, Minn.
Travis A. Duehr	Waterville, Iowa	* Jordan Tyler Reese	Metamora, Ill.
Luke Donald Eklund	Scandia, Minn.	Nathaniel Wade Richardson	Cedar Rapids, Iowa
* Christina Marie Fest	Altoona, Iowa	Rachel Leah Roling	Cumberland, Wis.
Andrew Cutler Finnegan	Eagan, Minn.	Tanner Dalton Rusk	Geneseo, Ill.
Sean Flading	Naperville, Ill.	** Jeremy Edward Rutledge	Winterset, Iowa
William J. Flanery	Altoona, Iowa	Sage Enz Salmon	Metamora, Ill.
** Samuel Andrew Hainline	Urbandale, Iowa	Skyler L. Sandven	Humboldt, Iowa
Anthony Morgan Hamer	Cedar Rapids, Iowa	Scott Erik Santema	Galena, Ill.
Trevor M. Hegranes	Wheaton, Ill.	Preston Martin Schlagel	Plainfield, Ill.
** Jerod Jeffrey Heying	Calmar, Iowa	Michael Lee Schoenke	Hanover, Minn.
Austin Hintt	Poplar Grove, Ill.	* Catherine Anne Sener	Bath, Maine
*** Richard Dean Hoobler	Marion, Iowa	Leeland Michael Seys	Parkersburg, Iowa
Kwizera Imani	Des Moines, Iowa	Quinn Alexander Seys	Mankato, Minn.
Zachary Steve Jansen	Davenport, Iowa	Alexander Owen Sommers	Port Byron, Ill.
Dillon Mitchell Kuhn	Carpentersville, Ill.	* Jack Austin Stanton	Middleton, Wis.
Joseph David Markus	New Lenox, Ill.	* Enzo A. Trombino	Johnston, Iowa
Gabriel Richard Mathews	Kansas City, Mo.	Jacob Allan Vissers	Appleton, Wis.
* Tessa Marie McRoberts	Oxford, Iowa	David Emanuel Volkmann	Phoenix, Ariz.
Nathan Gregory Meador	Ankeny, Iowa	Christian Darnell Wallace	Murfreesboro, Tenn.
** Mitchell Grant Meyer	Sheldon, Iowa	James Robert Wigda	San Diego, Calif.
Dalton Mathew Michalski	Dayton, Iowa	*** Nicholas Adrian Wijaya	Jakarta, Indonesia

Curriculum in Agricultural Engineering

** David Isaac Barker	Le Mars, Iowa	** Ashley D. Kruse	Andover, Iowa
Hunter William Bell	Washington, Iowa	James Edward McCormick	Steward, Ill.
Dylan Ross Childs	Clemons, Iowa	Carson Lee Namanny	Dallas Center, Iowa
* Logan Herman Matthew Darnall	Danvers, Ill.	Brad Richardson	Manson, Iowa
** Connor James Engelkes	Davis Junction, Ill.	Cameron Donald Roehlk	Cedar Rapids, Iowa
Mark T. Gelwicks	Manchester, Iowa	Aaron Robert Shane	Burlington, Iowa
** Caleb Michael Gradeless	Melrose, Iowa	* Wyatt James Sichelka	Primghar, Iowa
** Nathaniel Scott Hall	Brooklyn, Iowa	* Jay Thomas Wessels	Dyersville, Iowa
Ian Derek Kilby	Mackinaw, Ill.		

Curriculum in Biological Systems Engineering

** Colton Jay Cunningham	West Des Moines, Iowa	Kimberley Shen Yen Thong	Petaling Jaya, Malaysia
Joshua O. Popoola	St. Louis, Mo.	* Danielle Jean Ufheil	Lake Zurich, Ill.
Denver Vail Robak	Albertville, Minn.		

* Cum Laude

*** Summa Cum Laude

** Magna Cum Laude

† Honors Program

Curriculum in Chemical Engineering

Jonathan R. Ahrens	Okoboji, Iowa	Chang Won Lee	Seoul, South Korea
Alsaud Khalifa Al Isma'ili	Nizwa, Oman	** Alec Joseph Maloney	Rockford, Ill.
Abdulrazzaq Ahmed Alhendi	Kuwait City, Kuwait	** Logan Alexander Mayberry	Maquoketa, Iowa
Ethan Jacob Bauer	Batavia, Ill.	Max Robert Miltner	Cedar Rapids, Iowa
* Andee Monique Beierle	Fort Myers, Fla.	*** Joseph John Musielewicz III	St. Paul, Minn.
***†Kia Nicole Birnbaum	Plymouth, Minn.	Serena Sue Paulson	Ames, Iowa
** Brett Paul Bobko	Chicago, Ill.	Stephen Daniel Richardson	Belleville, Ill.
Jessica Leigh Brown	Sioux City, Iowa	Justin Keith Runge	Peoria, Ill.
* Daniel John Dagle	Iowa City, Iowa	Matthew A. Schweitzer	St. Paul, Minn.
Haris Idzwan Dzulkarnain	Kuala Lumpur, Malaysia	*** Jonathan J. Slobidsky	Downers Grove, Ill.
** Tyler P. Franke	Johnston, Iowa	Heidi Snell	Chanhassen, Minn.
Matthew Roland Fritchen	Pewaukee, Wis.	Brandon Peter Song	Los Angeles, Calif.
Luke B. Hardie	Ankeny, Iowa	Abigail Blanchette Teschendorf	Lino Lakes, Minn.
Michael James Holmes	Ankeny, Iowa	Alex James Verburg	Mantorville, Minn.
** Beatrice Illian Hosier	Norwalk, Iowa	** Cullen Hill Walsh	Lake In The Hills, Ill.
Yusuf Hussain	Patna, India	Heidi Christine Walthier	Mokena, Ill.
Nathan T. Invie	Woodbury, Minn.	Hunter Wilhelmi	Center Point, Iowa
***†Kyle Jeffrey Jackson	Winterset, Iowa	Mitchell Jacob Winters	White Bear Lake, Minn.
Yongrae Kim	Seoul, South Korea	Zachary Charles Wirth	Crystal Lake, Ill.
* Sydney Linn Knight	Slater, Iowa	Andrew Joseph Wolf	Edina, Minn.
** Thomas Michael Krohn	Naperville, Ill.	Megan Marie Wolf	Woodbury, Minn.

Curriculum in Civil Engineering

Fardaus Abdul Aziz	Dubai, United Arab Emirates	Greta Pauline Lewis	Andover, Minn.
John Robert Adams III	Wellman, Iowa	Eric Thomas Lezniak	River Grove, Ill.
Jose De Jesus Alvarez Perez	Des Moines, Iowa	Peizhe Li	Beijing, China
Andrew D. Amy	Hastings, Minn.	Hantian Ma	Nanjing, China
** Steven Daniel Anderson	Holmen, Wis.	Christian Mahneke	Ames, Iowa
Carly Beth Andregg	Garnavillo, Iowa	** Kayla Christine Mayer	Wauconda, Ill.
* Cole Alexander Arends	Lino Lakes, Minn.	Jacob Robert Meier	Oswego, Ill.
Anish N. Bhatt	Lake In The Hills, Ill.	Qingwei Meng	Baotou, China
Sean P. Boylan	Des Moines, Iowa	Boyd Lyle Mortenson	Dexter, Minn.
* Evan Christopher Braun	Palatine, Ill.	Zachary John Mouw	Bettendorf, Iowa
Lauren Nicole Britt	West Chicago, Ill.	David Norden	New Lenox, Ill.
** Jiangrui Cao	Guangzhou, China	Andrew Thomas Obrzut	Hoffman Estates, Ill.
Guadalupe Casas	Des Moines, Iowa	Viraj Ajinkya Padwal	Mumbai, India
Paul E. Chartouni	Mount Prospect, Ill.	Pedro Paiva De Lima	Belo Horizonte, Brazil
* Brandon M. Cheney	Council Bluffs, Iowa	Het Piyush Patel	Vadodara, India
Noah Dean Collins	Mason City, Iowa	Rubi Magali Perez	Dallas, Tex.
Mackenzie F. Copeland	Libertyville, Ill.	Michael Frederick Prah	Barrington, Ill.
Ricardo Corona	Los Angeles, Calif.	** Clinton M. Prier	Ryan, Iowa
John Daniel De Vries	Boone, Iowa	Joseph L. Riley	Iowa Falls, Iowa
Harsheev Prashant Desai	Vadodara, India	Austin John Roemer	Chanhassen, Minn.
Jordan Douglas Erickson	Maple Grove, Minn.	Cooper Samuel Rosheim	Liberty, Mo.
Quinton Orin Erickson	Slater, Iowa	Miles Remington Schacht	Elmhurst, Ill.
** Rui Fu	Guang Zhou, China	** Anja Schepp	West Des Moines, Iowa
Tatiana Guerra Lezcano	Havana, Cuba	Lexa Leone Skov	Le Mars, Iowa
Zhongbao He	Lanzhou, China	Grant Jacob Smisek	Andover, Minn.
Scott Thomas Hearne	Crystal Lake, Ill.	Georgios Stephanou	Tseri, Cyprus
Alex Hernandez	Fort Dodge, Iowa	Patrick Joseph Strait	Sioux City, Iowa
Brandon Lee Homewood	Marion, Iowa	** Daniel David Streitz	Chisago City, Minn.
Danvant Kumar Ilamparuthi	Chennai, India	* Daniel J. Stubing	Arlington Heights, Ill.
Ryan Jeffrey Jensen	La Vista, Neb.	** William Brian Torgerson	Waukee, Iowa
Cody Joseph Kelchen	Dubuque, Iowa	Elif Ulger	Naperville, Ill.
Kevin John Kittleson	Young America, Minn.	Lane Andrew Volkmann	Cambridge, Iowa
** Jacob Alan Ledebuhr	Elgin, Ill.	***† Lauren Elizabeth Wibe	Cedar Rapids, Iowa

* Cum Laude

*** Summa Cum Laude

** Magna Cum Laude

† Honors Program

Curriculum in Computer Engineering

* Pierce Carson Adajar	Sioux City, Iowa	Skand Gupta	New Delhi, India
Alexander Delane Beaver	Wapello, Iowa	Samuel Barth Habel	Swisher, Iowa
Tyler Beder	Bay City, Wis.	Samuel James Keely	Leland, Iowa
** Weston E. Berg	Stillwater, Minn.	* Grant E. Mullen	La Porte City, Iowa
Tyler Allen Borchert	Parker, Colo.	**† Kevin Curt Oran	Elkhorn, Neb.
* Brian J. Bradford	Waverly, Iowa	Kienan Murray Otto	Rock Island, Ill.
Jeremy Min Yih Chee	Sabah, Malaysia	* Bradley David Rhein	Des Moines, Iowa
* Jian Hang Chew	Ipoh, Malaysia	** Takao Shibamoto	Tokyo, Japan
Nidhi Milind Dalvi	Navi Mumbai, India	Luke Alan Stoll	Newhall, Iowa
Jared Robert Danner	Tripoli, Iowa	* Walter A. Svenddal	Minneapolis, Minn.
Pawel Piotr Darowski	Urbandale, Iowa	Shay Paul Willems	Chaska, Minn.
Ricardo Javier Faure Jr.	Ponce, Puerto Rico	** Dennis Gelun Xu	Johnston, Iowa
Garth Henry Flaming	Huxley, Iowa	Siyuan Zeng	Chengdu, China
Mitchell Alan Freshour	Urbandale, Iowa	** Bei Zhao	Bengbu, China
* Lucas James Golinghorst	Dixon, Iowa	Tianhao Zhao	Beijing, China
Jared Lyle Griffin	Newton, Iowa	* Zhenyu Zhao	Urbandale, Iowa
Robert Earl Guetzlaff	Waterloo, Iowa		

Curriculum in Construction Engineering

Kaleb Randall Cook	Creston, Iowa	Stefanie A. Nussbaum	Davenport, Iowa
Michael Patrick Feste	Sioux City, Iowa	Nathan M. Pals	Des Moines, Iowa
Erik Steven Gruber	Independence, Iowa	Brett William Poulsen	Appleton, Wis.
Garret Jerri Jensen	Gilbert, Iowa	Jacob Patrick Rockey	Bettendorf, Iowa
Brock L. Leum	Westby, Wis.	Tyler Jordan Sandquist	Earlham, Iowa
Alex Scott Mackenburg	Cresco, Iowa	Jacob Louis Wogahn	Wisconsin Rapids, Wis.
Alexander Exaves Matasareanu	Mount Prospect, Ill.	* Kayla Amy Youngblood	Jefferson, Iowa
* Megan Marie Matt	Sumner, Iowa		

Curriculum in Electrical Engineering

* Ugerah Tamunotonye Abalu	Edo State, Nigeria	Bryan Daniel Johnston	Webster City, Iowa
Mohammed Fathi Salim Al-Mukhaini	Ames, Iowa	Sungmin Kang	Incheon, South Korea
Francisco David Alegria	Des Plaines, Ill.	* Sangwon Lee	Seoul, South Korea
** Sarah Baratta	Urbandale, Iowa	** Chen Ye Lim	Kuala Lumpur, Malaysia
** Adithya Basnayake	Colombo, Sri Lanka	** Evan Christopher Mandle	Muscatine, Iowa
Karla Lizbeth Beas	Ciudad Guzman, Mexico	* Derek William Nash	Belmond, Iowa
John Ryan Bush	Village Of Lakewood, Ill.	** Aaron Franklin Ramsey	Papillion, Neb.
Zhihao Cao	ChongQing, China	Alexander M. Schneider	Highland Park, Ill.
Ritika Chakravarty	Kolkata, India	Adam Joseph Schroeder	Grayslake, Ill.
* Yue Chen	Norfolk, Va.	Anna Laree Schulte	Williamsburg, Iowa
Ryan Barnes Cullinan	Rolling Meadows, Ill.	Zachary Colin Serritella	Crystal Lake, Ill.
Kossi Eglá	East Moline, Ill.	Brian Patrick Shanders	Gurnee, Ill.
Omar H. El Sherbiny	Cairo, Egypt	Valery Anne Smith	Idaho Falls, Idaho
Doruk Er	Istanbul, Turkey	Ahmed I. Sobi	Ames, Iowa
Olouwole Fabrice Eteka	West Des Moines, Iowa	Zheyuan Tang	Shanghai, China
** Clayton Alexander Flynn	Mantorville, Minn.	Hao Wang	ShangHai, China
Rebecca Marie Franzen	Calmar, Iowa	*** Yifei Wang	Jilin, China
Mohamed A. Gesalla	Des Moines, Iowa	Steven Michael Williams	Delafield, Wis.
Hussein Ghazi Ghitan	Des Moines, Iowa	Kedan Xin	Tianjin, China
Matthew Thomas Goetzman	Hiawatha, Iowa	Fengnan Yang	Zheng Zhou, China
* Chad Joseph Griggs	Central City, Iowa	Logan Jon Zasada	Peosta, Iowa
Jonathan Robert Hugen	Lynnville, Iowa		

Curriculum in Industrial Engineering

Rodrigo Barreiro Pujol	Victoria, Minn.	Nicole Michele Casey	Cedar Rapids, Iowa
Haley Nicole Beving	Cedar Falls, Iowa	Bradley J. V. Coleman	Homewood, Ill.
* Dustin Nathaniel Busch	Hiawatha, Iowa	Devon Walter De Jong	Stillwater, Minn.
Krystle Lynne Carr	Longview, Wash.	Drew Patrick Dickman	Le Mars, Iowa

* Cum Laude

*** Summa Cum Laude

** Magna Cum Laude

† Honors Program

Kyle Colton Edsey	Arlington Heights, Ill.	Michael Vincent Montemurro	Glenview, Ill.
Max Leo Goldberg	Grayslake, Ill.	Brannan Patrick Morris	Grayslake, Ill.
Grant Michael Harman	Urbandale, Iowa	Hellen Rudgurd Nakachwa	Kampala, Uganda
Logan Scott Hart	Grimes, Iowa	Theresa Marlene Narog	New Brighton, Minn.
Nolan Francis Hickey	Eden Prairie, Minn.	*** Skylar Marie Pagel	Rochester, Minn.
Ezra Flint Iliff	Waterloo, Iowa	** Michael Victor Peterson	Windsor Heights, Iowa
* Derek Stanley Janusz	Wilmette, Ill.	* Tracy Purdy	Treynor, Iowa
Dillon Wayne Johnson	Osage, Iowa	Jakob G. Pyburn	Ankeny, Iowa
Matthew Ben Karch	Woodbury, Minn.	Robert H. Quiles-Fernan	Trujillo Alto, Puerto Rico
Jack Charles Kohlbeck	Woodbury, Minn.	Miguel Rosas	Wood Dale, Ill.
* Melissa Ann Laabs	Jordan, Minn.	Kinsey Mae Simatos	Crystal Lake, Ill.
Kathryn Marie Liefbrig	Elkhorn, Wis.	*** Kyle Randall Suvada	Crystal Lake, Ill.
Matthew Jeffrey Lubben	Hudson, Iowa	Bruce Steven Witschorik	Farmington, Minn.
James Christian Mattern	West Des Moines, Iowa	James J. Yapp	Iowa City, Iowa
Karla Jackeline Mercado	Tegucigalpa, Honduras	Zoey Paige Youngblut	Cedar Falls, Iowa
Maria Fernanda Molina Hoyos	Caracas, Venezuela	Nicole Zis Kleinubing	Joinville, Brazil

Curriculum in Materials Engineering

Ned Matthew Ashton	Solon, Iowa	Yasmeen Ariel Mansoorieh	Glenview, Ill.
Dmitriy Pavlovich Bayko	Brooklyn Park, Minn.	William Harrison Marks	Phoenix, Ariz.
Mitchell Lloyd Beasley	La Grange Highlands, Ill.	* Madison Patricia Martin	Madrid, Iowa
***† Charlotte Julianne Brandenburg	Cedar Falls, Iowa	Benjamin Aidan Miller	Lombard, Ill.
David Andrew Bunce	Ankeny, Iowa	** Jose Manuel Perez Gonzalez	Jerez de la Frontera, Spain
Jordan Tyler Case	Groveland, Ill.	William Patrick Porter	Independence, Iowa
Michael A. Christoff	Maple Grove, Minn.	Adam J. Raymond	Cottage Grove, Minn.
Jordan Robert Cornelius	De Witt, Iowa	Alyssa J. Salcedo	Baldwin Park, Calif.
* Skye Sara Erickson	Rochester, Minn.	Ben G. Theile	South Elgin, Ill.
Johnathan Allen Feigum	Andover, Minn.	Kyle Matthew Wilkerson	Adel, Iowa
Anthony Kai Feldmeier	Franklin, Wis.	Alexander M. Wilson	Bloomington, Minn.
Connor Patis Fitzgerald	Roseville, Minn.	Li Zhou	Guangzhou, China
Adriana Joyce	Pineville, Mo.		

Curriculum in Mechanical Engineering

* Vyshakh George Abraham	Bettendorf, Iowa	*** Alex Royce Coffman	Independence, Iowa
Justin A. Aherns	Hudson, Wis.	* Kaleb Dale Cornick	Waverly, Iowa
Charles Edward Ambrose	Rockford, Ill.	Brady James Daniels	Greenwood, Mo.
Thomas Randolph Ashford	Omaha, Neb.	Elizabeth Marie Danielson	Omaha, Neb.
Sebastien L. Augsburg	Foothill Ranch, Calif.	James Paul Davis	Tyler, Tex.
David Michael Bailey	Des Moines, Iowa	Zach Thomas Dekeyser	Urbana, Iowa
Alexander Edward Barron	Ankeny, Iowa	John Laird DeSutter	Woodhull, Ill.
Brian Keith Bates	Bellevue, Neb.	*** Daniel E. DeVilder	East Moline, Ill.
Ronald B. Battreall	Waukee, Iowa	*** Travis Jeffrey Dingeman	Pella, Iowa
Michael Paul Benson	Libertyville, Ill.	Keegan Micheil Dowling	Fort Madison, Iowa
Christopher James Berg	Oakwood Hills, Ill.	Joshua Douglas Eckley	Solon, Iowa
Eric Loren Bierwagen	Ames, Iowa	Kenneth Martin Eichorn	Weston, Fla.
* Ahmed Bilal	Rawalpindi, Pakistan	John D. Eide	Fort Dodge, Iowa
Abraham Marvin Bischof	Altoona, Iowa	Carson Michael Epps	Jenks, Okla.
*** Christian D. Borchardt	Eden Prairie, Minn.	Hali Marie Fagan	Des Moines, Iowa
Austin Duaine Bostwick	Connersville, Ind.	Dale Alexandra Feazell	Hudson, Iowa
Jesse Bowdino	Elkhorn, Neb.	Muhammad A. Farizha Fiqri	Jakarta, Indonesia
Lucas James Brady	Muscatine, Iowa	Lucas Paul Fleissner	Rochester, Minn.
Hunter Cole Branson	Kansas City, Mo.	Danielle Marie Foley	Lee's Summit, Mo.
Alec Matthew Bucholc	West Dundee, Ill.	* Travis Daniel Foust	Plainfield, Ill.
David William Burns	Marshalltown, Iowa	Ryan Tyler Freiburg	Clayton, Ill.
Shrenik Byalya Shanthi Prasad	Mysore, India	*** Max M. Friestad	Rock Island, Ill.
Nicholas Cecil Carlson	Red Oak, Iowa	Daniel Jordan Fritsche	Eden Prairie, Minn.
Jay L. Carlstrom	Loves Park, Ill.	Alec James Giljohann	Menomonie, Wis.
Ben John Casselman	Aurora, Ill.	** Elena Rose Gladen	Eden Prairie, Minn.
Don Sang Chin	Kulim, Malaysia	Bryce Lucas Glass	Grayslake, Ill.
* Kaitlyn S. Christiansen	Lake Villa, Ill.	Allison Marie Gregorovic	Lansing, Ill.

* Cum Laude

*** Summa Cum Laude

** Magna Cum Laude

† Honors Program

* Stetsen S. Greiner	Williamsburg, Iowa	Billy Noy	Des Moines, Iowa
Andrew Winoto Halim	Jakarta, Indonesia	Kevin M. O'Donnell	Marion, Iowa
David M. Hardy	St. Charles, Ill.	James Michael O'Morrow	Des Moines, Iowa
Devin Michael Harmon	Franksville, Wis.	**† Kevin Curt Oran	Elkhorn, Neb.
Kyle E. Helvie	Crystal Lake, Ill.	Alexander Wade Orloff	Aurora, Ill.
Eric Ross Herrling	Normal, Ill.	Corser Scott Paine	Urbandale, Iowa
* Quentin Howard Hill	Ames, Iowa	Jiayao Pang	FoShan, China
** Dillon D. Holtkamp	West Point, Iowa	Jordan Edward Paone	Marshalltown, Iowa
Nicholas John Hoofnagle	Cedar Falls, Iowa	John Dewane Papineau	Shorewood, Wis.
Ethan Joseph Hopkey	Ankeny, Iowa	** Luke Edward Peters	Washington, Ill.
Eric James Houk	Ames, Iowa	Luke Robert Peterson	St. Paul, Minn.
** John Andrew Hovda	Cedar Rapids, Iowa	Carter Michael Pillen	Kewanee, Ill.
** Ryan Scott Hunwardsen	Eden Prairie, Minn.	*** Nicholas Hampton Podhajsky	Atlantic, Iowa
Erich Kollar Huszagh	Lake Bluff, Ill.	Ryan Michael Porch	Washington, Ill.
** Aaron Joseph Jankins	Whitefish Bay, Wis.	Austin Shiely Powell	Stillwater, Minn.
Jonathan Maxwell Jerke	Lakeville, Minn.	Philip A. Quick	Altoona, Iowa
Alfonso J. Johnson	Lake Villa, Ill.	Mitchell Leigh Rasmussen	Hudson, Wis.
Nathan M. Johnson	Swisher, Iowa	* Benjamin Joseph Rauzi	Lakeville, Minn.
* Nicholas Joel Johnson	Woodbury, Minn.	Chase Michel Rizo	Shakopee, Minn.
* Justin John Joines	Sioux City, Iowa	Nicholas Patrick Robbins	Monument, Colo.
** Wonju Joung	Anyang, South Korea	Nicolas Anthony Romero	Oregon, Wis.
Krystal Arielle Kagy	Cedar Falls, Iowa	* Sidney Isaiah Roorda	Montezuma, Iowa
Thomas James Kein	Batavia, Ill.	*† Holly Anne Schmitz	Cedar Falls, Iowa
Aadit Farhan Khan	Dhaka, Bangladesh	Nicholas P. Schreck	Papillion, Neb.
Kyle James Kilty	Elk Grove Village, Ill.	Skylar James Schuth	Minneapolis, Minn.
Sean Thomas Kleymann	Cedar Rapids, Iowa	Daniel Isauro Schwalb	Dubuque, Iowa
Kelly Renee Knapper	Eldridge, Iowa	* Reed Michael Searcy	St. Charles, Minn.
*** Tyler K. Knutson	Eden Prairie, Minn.	Carter Louis Sehon	Overland Park, Kans.
Nathaniel Stephen Kolar	Wall Lake, Iowa	Jonathan Matthew Severson	Rockford, Ill.
Rosalia Christine Kubicek	Jefferson, Wis.	Phoebe Sexton	Des Moines, Iowa
Tyler Joseph Kudla	Elk Grove Village, Ill.	****† Courtney Nicole Smyth	Solon, Iowa
Jesse Charles Lafler	Central City, Iowa	* Brandon James Sommer	Mission Viejo, Calif.
Jacob Ryan Larson	Winterset, Iowa	Christian John Spitelli	Schaumburg, Ill.
Michael James Larson	Stillwater, Minn.	Connor James St. Mary	Eden Prairie, Minn.
Joseph J. Lee	Runnells, Iowa	Jacob Darrin Stewart	Elko New Market, Minn.
* Yoon Kai Lee	Iphoh, Malaysia	Keegan Lee Stirm	Oelwein, Iowa
Ryan Alexander Leiferman	Madison Lake, Minn.	Sebastian Strasser	Minnetonka, Minn.
Christopher P. Licata	Lee's Summit, Mo.	**† Elliot Suiter	Johnston, Iowa
Kurt Edward Loader	Bartlett, Ill.	****† Ryan Joseph Thompson	West Des Moines, Iowa
** Austin James Lohr	Naperville, Ill.	** Zachary William Troutman	Yale, Iowa
* Chuan Jie Loy	Petaling Jaya, Malaysia	Chandler Isaiah Underwood	Omaha, Neb.
Fredrick Michael Mace Jr.	Carter Lake, Iowa	**† Samuel Richard Vande Loo	Stewartville, Minn.
Joseph Scott Magnani	Urbandale, Iowa	Waleed	Swabi, Pakistan
Edwin Axtell McGrew	St. Paul, Minn.	Nicholas John Walter	Plymouth, Minn.
Greg Matthew Mehrhoff	Ida Grove, Iowa	Alexander Sterling Weis	Mahtomedi, Minn.
Yesenia Marissa Meraz	Rockford, Ill.	Christopher Michael Weisbein	Palo, Iowa
Taylor Ann Meyer	Maple Grove, Minn.	Alexandra L. Westerlund	Vadnais Heights, Minn.
*** Erik Robert Miller	Urbandale, Iowa	Connor Shane Wilson	Chanhausen, Minn.
Jack Rawson Miller	Victoria, Minn.	* Jacob Matthew Winter	Marion, Iowa
Smeeta Mistry	Johnston, Iowa	Joseph William Wolter	Woodbury, Minn.
David Lee Mulder	New Lenox, Ill.	Loke Jien Wong	Shah Alam, Malaysia
Tamara Rose-Linn Mull	Cedar Rapids, Iowa	* Ruocheng Yin	Nanchang, China
Benjamin D. Nelson	Lakeville, Minn.	Izet Aqim Bin Zamri	Kajang, Malaysia

Curriculum in Software Engineering

Chakib Ahlouche	Cedar Rapids, Iowa	Anthony Benson	Ames, Iowa
Yousef A. Al Absi	Amman, Jordan	Daniel Riley Bohlke	Atwater, Calif.
Michael Arnold	Spicer, Minn.	Jeremiah J. Brusegaard	North Liberty, Iowa
David Bane	Papillion, Neb.	Christopher Khanh Bui	Cedar Rapids, Iowa
Jonah Timothy Bartz	Rockton, Ill.	Ryan Dennis Cervený	Robins, Iowa
Matthew J. Bechtel	Clive, Iowa	Sovann Dimitri Chak	Runnells, Iowa

* Cum Laude
** Magna Cum Laude

*** Summa Cum Laude
† Honors Program

Andrew Kelly Damon	Atkins, Iowa	*** Ryan James Menster	Springville, Iowa
Chandler Foster Davis	Clive, Iowa	Aaron Richard Michael	Boone, Iowa
Sydney Elizabeth Ehlinger	Urbandale, Iowa	Jacob James Montgomery	Woodbury, Minn.
Bryan Jesus Fung	Barquisimeto, Venezuela	Alec Michael Morris	South Amana, Iowa
Yin Hong Gooi	Ames, Iowa	Jonathan Davis Murphy	Savage, Minn.
Justin A. Gordon	Runnells, Iowa	Mireille Mwiza Iradukunda	Kigali, Rwanda
*** Ian Andra Gottshall	Fairfield, Iowa	* Trevin Lee Nance	Chariton, Iowa
Jacob Allan Grace	Sherrill, Iowa	Thien Duy Nguyen	Cedar Rapids, Iowa
Garrett James Greenfield	Argyle, Iowa	Joseph Jesus Nunez	Gurnee, Ill.
** Travis J. Harbaugh	Sanford, Fla.	** Jaclyn Ralfs	Durant, Iowa
Caleb Neal Hendrickson	Fort Dodge, Iowa	** Ryan M. Roltgen	Fairfax, Iowa
* Christine Hicaro	La Grange, Ill.	Yussef Atef Saleh	Manhattan Beach, Calif.
Anthony Edward House	Ackley, Iowa	Mark Richard Schwartz	Frankfort, Ill.
* Bailey M. Jensen	Albany, Minn.	Woodrow Thomas Scott	Fox Lake, Ill.
Nolan Jaehyun Kim	Evanston, Ill.	Justin Gaylen Shaver	Runnells, Iowa
Logan P. Kinneer	Waukee, Iowa	Gabriel Douglas Stackhouse	Ames, Iowa
Austin Martin Konsor	Council Bluffs, Iowa	Yealim Sung	Seoul, South Korea
Alec Richard Lones	Johnston, Iowa	Maxwell R. Talley	Shawnee, Kans.
Mark C. Marrano	Naperville, Ill.	Brett Shane Wilhelm	Waverly, Neb.

Multiple Curricula and Majors

Danniel Keith Arriaga	Des Moines, Iowa	* Melinda Elaine Johnston	Stanhope, Iowa
Chemical Engineering and Liberal Arts and Sciences: Major in Chemistry		Chemical Engineering and Liberal Arts and Sciences: Major in Biochemistry	
* Jens Christian Dancer	Iowa City, Iowa	* John Egan Marcotte	Omaha, Neb.
Civil Engineering and Liberal Arts and Sciences: Major in World Languages and Cultures (Spanish)		Industrial Engineering and Liberal Arts and Sciences: Major in World Languages and Cultures (Spanish)	
Faisal Zahid Hafeez	Sioux City, Iowa	Timothy Joel Schwanbeck	Prior Lake, Minn.
Chemical Engineering and Liberal Arts and Sciences: Major in Chemistry		Chemical Engineering and Liberal Arts and Sciences: Major in Chemistry	

CANDIDATES FOR DEGREES FROM THE COLLEGE OF HUMAN SCIENCES

BACHELOR OF SCIENCE

Curriculum in Apparel, Merchandising, and Design

Kathryn Ann Brown	Cedar Rapids, Iowa	Adrienne K. Howell	Des Moines, Iowa
Ella Marie Brummer	Plymouth, Minn.	Haley Raeanne Jennings	Davenport, Iowa
Katrine Sydney Cadman	Sioux Rapids, Iowa	Madison Rae Johnson	Merrill, Iowa
Aryan Rose Calvert	Slater, Iowa	* Molly Claire Kowalski	Hagerstown, Md.
Sierra N. Chicoine	Sioux City, Iowa	Marjorie Nicole Mallinger	North St. Paul, Minn.
Diana Cobian Salinas	Le Mars, Iowa	Isaac Evan Nelson	Gilbert, Iowa
* Sommer R. Danielsen	Cedar Falls, Iowa	* Alexaundra C. Paustian	Cedar Rapids, Iowa
Rose Judith Echard	South Bend, Ind.	Selena Zarai Pintor	Des Moines, Iowa
** Jordynn Formaro-Schaeffer	Ankeny, Iowa	** Megan Romaniak	Madison, Wis.
** Sarah Elizabeth Friedrich	Ames, Iowa	* Hanying Shen	Nanchang, China
Amber Marie Geneser	Granger, Iowa	* Jessica Caroline Toliver	Waukee, Iowa
* Carly Elizabeth Grimm	Bettendorf, Iowa	Izabella Varela-Moran	Deer Park, N.Y.
** Christine Dawn Henke	Vermillion, S. Dak.	Logan Ashby Wiley	Noblesville, Ind.
* Sarah Anne Henrich	Le Mars, Iowa		

Curriculum in Child, Adult, and Family Services

Dylan D. S. Bishop	Ottumwa, Iowa	*** Anna Ardell Reinders	Des Moines, Iowa
* Carly Ann Bunkers	Le Mars, Iowa	Molly Jean Rieper	West Des Moines, Iowa
Miranda Nicole Cheers	Ortonville, Mich.	Kelsey Avrenette Rivera	Sioux City, Iowa
Marissa Marie Franklin	Indianola, Iowa	Jose Alberto Rodriguez Jr.	Estherville, Iowa
Katherine Elizabeth Gray	Green Bay, Wis.	Alyson Sue Rogers	Oskaloosa, Iowa
Jessica Lynn Gross	Ames, Iowa	* Taylor Marie Rood	Ames, Iowa
Madison Jo Hawxby	Des Moines, Iowa	Rebekah Shield	Muscatine, Iowa
Kenady Alexis Highland	Webster City, Iowa	Anna Karen Stromer	Garner, Iowa
*** Kristin Lynn Honold	Carroll, Iowa	Juntong Wan	Qingdao, China
*** Emma Kelley	Leawood, Kans.	Jenna Marie Weier	Ankeny, Iowa
Emma Grace Martin	Davenport, Iowa	*** Courtney Irene Wiese	Bennett, Iowa

Curriculum in Dietetics

Sarah Kathryn Jepsen	Crystal Lake, Ill.	** John Vendelboe Nielsen	Ankeny, Iowa
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Curriculum in Early Childhood Education

Jacqueline Nicole Allen	Palm Beach Gardens, Fla.	** Allison Marie Eisentrager	Ankeny, Iowa
Mary Kristine Ambrose	Sioux City, Iowa	** Mackenzie Starr Johnson	Oakdale, Minn.
*** Haley Nicole Appel	Thomson, Ill.	** Ashley Katherine Murphy	Ames, Iowa
** Samantha Mae Cepeda	Warrenville, Ill.	** Kaili Marie Streeter	Ankeny, Iowa
*** Shelby Malynn Dumont	Iowa City, Iowa	*** Karina Frances Stripe	Albert Lea, Minn.
Carly Ann Dunkelberger	Fountain Valley, Calif.	*** Jane Sun-Miller	Marshalltown, Iowa

Curriculum in Elementary Education

Breanne Powers Andorf	Ankeny, Iowa	Caylin Ann Brommel	New Virginia, Iowa
* Charles C. R. Banholzer	Oak Park, Ill.	Faith Joy Brookes	Ankeny, Iowa
* Kathryn Ann Bergquist	Ankeny, Iowa	*** Makenna L. Christensen	Calamus, Iowa
Jennifer C. Birmingham	Johnston, Iowa	Sheridan Lueann Cole	Carol Stream, Ill.
* Leo Alexander Bormann	Davenport, Iowa	Katherine Elizabeth Cotton	Herndon, Va.

* Cum Laude

*** Summa Cum Laude

** Magna Cum Laude

† Honors Program

* Aliyah Paige Creger	Osage, Iowa	* Madison Grace Potter	Osage, Iowa
** Brooke Kathryn Croghan	Panama, Iowa	* Madison Mackenzie Price	Fort Dodge, Iowa
Karin Suzanne Dawson	Altoona, Iowa	* Alex D. Pringnitz	Spirit Lake, Iowa
** Leslie Denton	West Des Moines, Iowa	Maycie Lynn Rector	Clarion, Iowa
*** Ashton M. Ehrecke	Bettendorf, Iowa	* Teryn Reilly	Mukilteo, Wash.
Anna Eileen Flatley	Cumming, Iowa	Cynthia Lorena Reyes	Sioux City, Iowa
Tina Jo Foley	Ames, Iowa	Cole Ellston Ridgely	Earlham, Iowa
* Chloe Elyse Frey	Clive, Iowa	Kelli Jeanne Rohret	Bettendorf, Iowa
** Hannah Nicole Gaffney	Lamont, Iowa	*** Michael J. Rueschenberg	Harlan, Iowa
** Allysen Nicole Geopfert	Fort Dodge, Iowa	Nataly Angelica Sanchez	Marshalltown, Iowa
** Morgan LeeAnn Godwin	Griswold, Iowa	Samantha Mary Sanchez	New Brighton, Minn.
** Kramer Alan Grimes	Sibley, Iowa	Alyssa Jade Schmidt	Rockford, Ill.
Michael O'Neill Hirschuber	Minnetonka, Minn.	Karissa Kay Schott	Mason City, Iowa
**† Kathryn R. Holly	Kelley, Iowa	Emily Ann Schroer	Glidden, Iowa
* Marie Elizabeth Hood	Creston, Iowa	Paulina Haley Secory	Grimes, Iowa
Julie Anne Huschak	Van Horne, Iowa	Grant Anthony Smith	Carroll, Iowa
Mark Alan Iwasyk Jr.	Aurora, Ill.	* Madeline Jenna Sparrgrove	Des Moines, Iowa
Amanda Marie Jennings	Clive, Iowa	* Brienna Dee Steffens	Atlantic, Iowa
Mackenzie Joe Jones	Norwalk, Iowa	Kaitlyn R. Stork	Sioux Falls, S. Dak.
Sydney Marie Jones	Runnells, Iowa	Ashley Ann Stupka	Ankeny, Iowa
** Sarah Sophia Kearney	Ottumwa, Iowa	*** Shelby N. Trinkle	Union, Iowa
Taylor Emi Koch	Clinton, Iowa	Kate Elisabeth Vandenberg	Gilbert, Iowa
* Brittani Danielle Koza	Vernon Hills, Ill.	* Kyleann Danielle Vryhof	Snohomish, Wash.
Emily Kay Kulhanek	Davenport, Iowa	*** Emily Marie Wagner	Eagan, Minn.
*** Allyson May Long-Trulson	Ankeny, Iowa	Justin J. Weller	Manning, Iowa
Allison Rae Martz	Ankeny, Iowa	** Madison Lynn Wendl	Carroll, Iowa
**† Nicole Amber Mullins	Winterset, Iowa	* Swe Zin Win	Toledo, Iowa
* Shane Eileen Oswalt	Clive, Iowa	** McKenna Mae Zanders	Coon Rapids, Iowa
Justice Richelle Parker	Atlantic, Iowa		

Curriculum in Event Management

** Kristine Patricia Allinson	Edina, Minn.	* Kamryn Grace Miller	Des Moines, Iowa
*** Courtney Paige Biere	Webster City, Iowa	Claire Christine Nauman	Farley, Iowa
Summer Moriah Bontrager	Oxford, Iowa	Grace Panneck	Peru, Ill.
Gage Jordan Bowman	Carter Lake, Iowa	Brittany Lynn Pooley	Stillwater, Minn.
Diana Cobian Salinas	Le Mars, Iowa	Amanda Propst	Lehigh, Iowa
Taylor Jordan Doppke	Lake in the Hills, Ill.	Lorena Sofia Rodriguez	San Juan, Puerto Rico
Elizabeth Faunce	North Aurora, Ill.	Rachel Rose Saalsaa	Argyle, Wis.
Carolyn M. Froehlich	Bolingbrook, Ill.	* Tristen Rae Stravers	Oskaloosa, Iowa
** Ruby Tai Johnson	Audubon, Iowa	Katrina Rene Vaske	Le Mars, Iowa
** Katelynn J. Kemp	Waterloo, Iowa	Miranda Jean Vaughn	Mount Ayr, Iowa
Amber Sue McClary	Malvern, Iowa	** Lesa Suzanne Wicks	Des Moines, Iowa
Maddie Elaine McDonnell	Normal, Ill.	**† Yu Ye	Guangzhou, China

Curriculum in Family and Consumer Sciences Education and Studies

** Ryan Elizabeth Berlett	Washington, Ill.	Morgan Abigail Lee	Crown Point, Ind.
* Jessica Lynn Conard	Winterset, Iowa	** Josie Lynn Sickels	Creston, Iowa
** Anna Elizabeth Johnson	Prospect Heights, Ill.	** Sierra Rae Sommer	Geneseo, Ill.
** Sydney Gwendolyn Larson	Lake Mills, Iowa	Josie Lyn Van Roekel	Alton, Iowa

Curriculum in Financial Counseling and Planning

Courteney Alexa Kuehl Ames, Iowa

Curriculum in Food Science

Alyssa Kathleen Gaede	Crystal Lake, Ill.	Vanessa Livania	Jakarta, Indonesia
Jennifer Melai Getowicz	Bartlett, Ill.	Maddison Wild	Reinbeck, Iowa
Kameron Alexander Irvin	Cedar Rapids, Iowa		

Curriculum in Hospitality Management

* Kevin R. Borzymb Brady Edward Halfpop Angela Lynn Kermes	Park Ridge, Ill. Des Moines, Iowa Burnsville, Minn.	Petrina Althea Mitchell Amberly Sandra Putz Denzel Anthony Rodriguez	Monrovia, Liberia Aurora, Ill. Tamarac, Fla.
* Yunqiu Liang	Jiangyou, China	** Farrah Welu	Eden Prairie, Minn.

Curriculum in Kinesiology and Health

*** Cameron J. Anderson Branden James Arends Aaron B. Austin Jose M. Avalos Valdez Meagan Lee Bandstra Thomas William Berta Creighton Kees Biddick Griffen Buck Kaitlynn Rae Burr	Dayton, Iowa Bettendorf, Iowa Los Angeles, Calif. Denison, Iowa Woodward, Iowa Naperville, Ill. Livingston, Wis. Rochester, Minn. Hastings, Minn.	Carter Raphael Hoff Aurora E. Huerta Jacob Paul Huston * Rebecca Marie Kestel Lucas Darin Lamont	Parkersburg, Iowa Marshalltown, Iowa Ames, Iowa Schaller, Iowa Iowa City, Iowa
** Autumn Christine Busta Megan Jean Carr	Forest City, Iowa Eldora, Iowa	** Benjamin M. Lewis Elisabeth C. Mauritz Kelsey Marie McFarland Justin Randel Morton Morgan Hanna Nafziger Rachel Anna Oldsberg Justin Wayne Parr Andrew David Pavlat Taylor Ann Perdue Devin M. Peshel Blake Hamilton Phillips Mikayla Ann Renaud Jake Roode Aidian Karl Sadtler Riley James Schneekloth Avery Elizabeth Sheehan Carley Lee Sklenar Erika-Mychael Skogerson Bryce Dean Smith Westin Daniel Smith Luke William Starcevich Hayley Rose Swanson Sadie Shae Swygman Leah Marie Wabel Seth Aaron Myer Willis * Joseph Quinten Zasadny	Mason City, Iowa Bondurant, Iowa New Prague, Minn. Pekin, Ill. Egan, Minn. Chaska, Minn. Onawa, Iowa Pella, Iowa Lees Summit, Mo. Adel, Iowa Osage, Iowa Plymouth, Minn. Ankeny, Iowa Murphysboro, Ill. Cedar Rapids, Iowa Cedar Falls, Iowa St. Paul Park, Minn. Van Meter, Iowa Ankeny, Iowa Spencer, Iowa Altoona, Iowa Brooklyn Park, Minn. Elkhart, Iowa Groveland, Ill. Woodbine, Iowa Walker, Iowa
** Mackenzie Renee Carroll Hannah Carter William M. Christiansen Ethan Lester Cline	Ankeny, Iowa Cedar Rapids, Iowa Plymouth, Minn. Altoona, Iowa		
*** Leah Elizabeth Cosgrove Mason Ray Cox William John Curoe	Fort Dodge, Iowa Albia, Iowa Egan, Minn.		
** Ashley Rae Daniel Taylor J. Darr Connor Patrick Davis Riley S. Deboest Shelby Jo Dicks Matthew Ryan Earney Rachel Rose Effa Francesca D. Farwell	Elk River, Minn. Ankeny, Iowa Des Moines, Iowa Sioux City, Iowa Ventura, Iowa Clive, Iowa Grayslake, Ill. Council Bluffs, Iowa		
* Morgan Lee Fraise Michael Eugene Gibson Cristopher David Grassel Gregory Alan Griffin III Alexandria Lynn Gudenkauf	Mount Pleasant, Iowa Urbandale, Iowa Minneapolis, Minn. Chicago, Ill. Norwalk, Iowa		

Curriculum in Nutritional Science

Peyten Marie Ballard Cheyenne Church Megan Elizabeth Hamlin	Altoona, Iowa Johnston, Iowa Urbandale, Iowa	Natali Rimoun Jouzi Emma L. Lemlin Melody Rose Josephine Rail	Amman, Jordan Fairfield, Iowa Reno, Nev.
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Multiple Curricula and Majors

** Kayla Ann Carlson Apparel, Merchandising, and Design and Business: Major in Management	Stratford, Iowa	* Sky Marie Irlmeier Event Management and Hospitality Management	Manning, Iowa
** Paige Elizabeth Disch Apparel, Merchandising, and Design and Liberal Arts and Sciences: Major in Public Relations	Verona, Wis.	** Jennalynn Marie Johnson Apparel, Merchandising, and Design and Business: Major in Marketing	Essex, Iowa
** Savannah D. Fiedler Child, Adult, and Family Services and Liberal Arts and Sciences: Major in Sociology	Ames, Iowa	Kelcie Beranda Smith Child, Adult, and Family Services and Liberal Arts and Sciences: Major in Sociology	Boone, Iowa

BACHELOR OF SCIENCE IN NURSING

Curriculum in Nursing

Alaina Rayanne Bohnert
Misty Dawn Brooks
Sarah Jane Jiles

Ames, Iowa
Marshalltown, Iowa
Ames, Iowa

Shirley Ohene-Yeboah
Tessa Elizabeth Sklenar

Ankeny, Iowa
Treynor, Iowa

CANDIDATES FOR DEGREES FROM THE COLLEGE OF LIBERAL ARTS AND SCIENCES

BACHELOR OF ARTS

Major in Advertising

Morgan Michelle Amundson	Mason City, Iowa	Suji Jung	Seoul, South Korea
Kaitlin Rene Burns	Cary, Ill.	Ja Hoon Koo	Seoul, South Korea
Jessica Marie Buss	Missouri Valley, Iowa	Grace Lee	Ames, Iowa
Nathaniel Scott Byerly	Ankeny, Iowa	Cassidy Martin	Des Moines, Iowa
Maya Rose Clercx	St. Paul, Minn.	Kelly Ann Martin	North Haven, Conn.
Audrey Kathleen Comer	Indianola, Iowa	Lexie Ella Muzzy	Lakeville, Minn.
Madison N. Fetters	Faribault, Minn.	Tiffany Evon Nelson	Ankeny, Iowa
Alec Michael Hansen	Maple Grove, Minn.	William Francis O'Loughlin IV	Fayette, Iowa
Jaehyun Jin	Seoul, South Korea	Alexander R. Stack	Sioux City, Iowa
Taylor Lee Johnson	Hinton, Iowa	Adam Christopher Vannatta	Sioux City, Iowa

Major in Anthropology

Maggie F. James	Ames, Iowa	John Binh Ketcham	Elmira, N.Y.
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Major in Biological/Pre-Medical Illustration

** Michaela Rose Henke	Norwalk, Iowa	Rachel Marie Pearson	Plymouth, Minn.
Mia Jin-Reed Norrish	St. Anthony, Minn.		

Major in Chemistry

* Rachel A. Hazzard	Vadnais Heights, Minn.	Clare Noel Nolan	Mount Prospect, Ill.
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Major in Communication Studies

Ansley Taylor Coombes	Findlay, Ohio	Tessa Lee Lamartine	Donnellson, Iowa
Hannah Ruth Dreyer	Gilbert, Iowa	Elizabeth Grace Ludwick	Boone, Iowa
Sean Robert Foster	Mundelein, Ill.	Keeley Shaye McEniry	Urbandale, Iowa
Maxwell Stephen Gaffey	Ames, Iowa	Robert James McMillen III	Naperville, Ill.
Jared M. Gescheidler	Ames, Iowa	Alyssa Jordan Meyers	Ames, Iowa
Alixandra M. Goldwasser	Victoria, Minn.	*** Nicole Grace Miller	Springville, Iowa
Rebecca Lynn Hughes	Cedar Falls, Iowa	** Courtney Anne Murphy	Grimes, Iowa
Paige Mackenzie Huskey	St. Bonifacius, Minn.		

Major in Criminal Justice Studies

**† Madison Kylie Albracht	Bettendorf, Iowa	** Erin Nicole Hundertmark	Maple Grove, Minn.
Jared D. Alcorn	Pella, Iowa	Lennie Rayne Johnson	Primghar, Iowa
Austin Michael Bailey	Cedar Rapids, Iowa	Laura E. Lopez	Marshalltown, Iowa
Victoria Elaine Barnett	Lakeville, Minn.	Bryce E. Meeker	Cedar Rapids, Iowa
Illiana Marie Bartsch	Hampton, Iowa	Tanner J. Pollema	Le Mars, Iowa
Alexandra B. Blaser	Waukee, Iowa	Richard Otto Stamy	Mexico, Mo.
Troy David Bliss	Ames, Iowa	* Drew T. Stever	Fairfield, Iowa
Baraa Dalati	West Des Moines, Iowa	Zachary Edward Stokas	Maple Park, Ill.
Natalia J. Dunham	Norwalk, Iowa	Myles Steven Szabo	Mitchell, S. Dak.
Katelyn D. Feagins	Boone, Iowa	Brianna Jolyn Tucker	Waterloo, Iowa
Kayla Marie Giovanni	McHenry, Ill.	Isabella Gabrielle Witte	Des Moines, Iowa
Brianna May House	Fort Dodge, Iowa		

* Cum Laude

*** Summa Cum Laude

** Magna Cum Laude

† Honors Program

Major in Earth Science

Karys Diane Lillie Shellsburg, Iowa

Major in English

* Adam Alcott	Rochester, Minn.	Joshua David Pealer	Cedar Rapids, Iowa
Michael David Austin	Ames, Iowa	* David Ray Perrin	Newton, Iowa
** Kaitlyn Rose Brocka	Cedar Falls, Iowa	William Gordon Ray III	Fort Dodge, Iowa
William Caron	Galena, Ill.	Jennifer Shoop	Normal, Ill.
Charles E. Christiansen	Falls Church, Va.	Esperanza Elizabeth Vargas Macias	Des Moines, Iowa
Carter Lewis Dailey	Huxley, Iowa	Rylee Jo Wahman	Adel, Iowa
Madrina Chauntelle Decker	Urbandale, Iowa	Josephine Kay Wickman	Curlew, Iowa
Jackson James Greenwaldt	St. Michael, Minn.	Kelsey Christine Wood	Panora, Iowa
* Elizabeth Dawson Leslie	Hartland, Wis.	Elizabeth Marie Woods	Des Moines, Iowa
Hannah Grace Moomaw	Newton, Iowa		

Major in History

* Tiffany Mae Olson Pella, Iowa

Major in Interdisciplinary Studies

* Logan Matthew Burmania Des Moines, Iowa

Major in Interdisciplinary Studies (Criminology and Criminal Justice)

Nicholas Michael Leslie	Elmhurst, Ill.	Randy James Thomsen	Vail, Iowa
Matthew K. Sander	Cedar Rapids, Iowa		

Major in Linguistics

Connor P. Callahan	White Bear Lake, Minn.	*** Abigail Leigh Nelson	River Falls, Wis.
Lauren Elizabeth Colby	Hennepin, Ill.		

Major in Music

Ian Robertson Butler	Cedar Rapids, Iowa	Jonathan Gabriel Meyer	Muscatine, Iowa
Samuel Thomas Johnson	Marshalltown, Iowa	Paige E. Sorensen	Marne, Iowa

Major in Performing Arts

** Elizabeth Ann Peterson Cherokee, Iowa

Major in Political Science

Gabriela Sofia Ampuero	Medina, Minn.	Aaron J. Metheny	Griswold, Iowa
Joshua R. Arment	Grimes, Iowa	Dylan Scott Meyer	Burr Ridge, Ill.
Joshua Robert Clawson	Albion, Iowa	Brittany Lee Moore	Twin Lakes, Wis.
Victor M. Granata	Glen Ellyn, Ill.	* Tiffany Mae Olson	Pella, Iowa
Brett Charles Hopper	Altoona, Iowa	Nathan Phan	Lancaster, Pa.
* Zachary C. Lessmeister	Carmel, Ind.	Nicholas Brent Sabin	Lake Elmo, Minn.
Noel Richard Lewin	Chicago, Ill.	* Sierra Ivy Stalians	Victorville, Calif.
Taylor Marie Grommon March	Marion, Iowa	Irmgard Alanna Stiehl	San Juan, Puerto Rico
Tatiana Melendez Garcia	San Juan, Puerto Rico		

Major in Psychology

Roan Douglas Bachar	Fairfield, Iowa	* Lauren Mae Luft	Sioux City, Iowa
Eric De La Torre	Summit Argo, Ill.	Kelsey E. McClenning	Camanche, Iowa
Emily Joan Elm	Webster City, Iowa	Kiley Renae Powell	Carroll, Iowa
Taylor Rae King	Des Moines, Iowa	** Mackenzie Lei Schueler	Prophetstown, Ill.
Vita Christine Lindquist	Elk Grove Village, Ill.	Jabre Iben Mykel Gabriel White	Des Moines, Iowa
Yue Lu	Harbin, China	Madison Ann Zwanziger	New Hampton, Iowa

Major in Sociology

Michelle Kathleen Jackson	Garner, Iowa	Riley Jo Marie Pollock	Denver, Iowa
Rebecca M. Klein	Sioux Falls, S. Dak.	** Jolene B. Schaefer	Scottsdale, Ariz.
Yue Lu	Harbin, China	Diana Rose Sullivan	Chico, Calif.

Major in Speech Communication

Karter Jaymes Ewing	Le Mars, Iowa	** Kennedy Paige Plowman	Adair, Iowa
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Major in World Languages and Cultures (French)

Chaise Ireland Zahrt	Adel, Iowa
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Major in World Languages and Cultures (Spanish)

Emily Ann Denning	Des Moines, Iowa	**† Nicole Amber Mullins	Winterset, Iowa
Alexandra Foster	Oskaloosa, Iowa	** Joel Tyler Stenseth	Altoona, Iowa
Julisa Margoth Jaimes Rodriguez	Marshalltown, Iowa	Cameron J. Wallick	Tipton, Iowa
*** Kayla Marie Kaalberg	Nichols, Iowa		

Multiple Curricula and Majors

Lindsey N. Bodensteiner	Pleasant Hill, Iowa	Kara Marie Johnson	Neola, Iowa
Communication Studies and Technical Communication		Criminal Justice Studies and Sociology	
* Shelby Taylor Bruun	Ankeny, Iowa	Jaret Wade Knudson	Cedar Falls, Iowa
World Languages and Cultures (Spanish) and International Studies		Criminal Justice Studies and Psychology	
* Koster Curtis Dean Buss	Le Mars, Iowa	Karah Marie Lyons	Pella, Iowa
Criminal Justice Studies and Sociology		Psychology and Women's Studies	
Daniel Jeanne Cook	Des Moines, Iowa	*** Savannah Rae Maynard	Boone, Iowa
Communication Studies and Women's and Gender Studies		Linguistics and World Languages and Cultures (Spanish)	
Taylor Cummings	Chicago, Ill.	Haley Kay Melby	Ames, Iowa
Interdisciplinary Studies (Criminology and Criminal Justice) and Political Science		Criminal Justice Studies and Sociology	
** Hope Deets	Fulton, Ill.	Collin James Olson	Ankeny, Iowa
Political Science and Psychology		Criminal Justice Studies and Political Science	
Kenneth Sean Gaffney Jr.	Harvard, Ill.	* Maria M. Pimentel	Humacao, Puerto Rico
Political Science and World Languages and Cultures (Spanish)		Political Science and Public Relations	
** Abigail Davis Gartner	Crystal Lake, Ill.	* Paige Schneeman	Naperville, Ill.
World Languages and Cultures (Spanish) and Criminal Justice Studies		Criminal Justice Studies and Psychology	
*** Emily Ann Hagmeier	Woodbury, Minn.	Isabelle Yumiko Shutt	Iowa City, Iowa
Psychology and Child, Adult, and Family Services		English and Environmental Studies	
		Jenna Rae Siefken	Mason City, Iowa
		Criminal Justice Studies and Psychology	
		Thomas Joseph Slattery	Cedar Rapids, Iowa
		Political Science and International Studies	

* Cum Laude

*** Summa Cum Laude

** Magna Cum Laude

† Honors Program

** Dana Marie Smosna *Arlington Heights, Ill.*
Linguistics and Psychology

Dalton C. Souza *Minneapolis, Minn.*
Criminal Justice Studies and Environmental
Studies

** Natasha Brittni Thewes *Marquette, Mich.*
English and Criminal Justice Studies

** Kimberly Jo Thomas *Columbus, Kans.*
World Languages and Cultures (Spanish) and
International Studies

Caroline O. Warmuth *Wauke, Iowa*
Political Science and Criminal Justice Studies

Alli Ann Weaver *Waterloo, Iowa*
Political Science and Journalism and Mass
Communication

Kelsi Jo Young *Mingo, Iowa*
Interdisciplinary Studies (Criminology and
Criminal Justice) and Psychology

BACHELOR OF LIBERAL STUDIES

Major in Liberal Studies

Elizabeth Rose Buckingham	<i>North Liberty, Iowa</i>	Olivia Renee Maggard	<i>Colfax, Iowa</i>
Jennifer Ann Buls	<i>Denver, Iowa</i>	* Camille Elizabeth Miller	<i>Norwalk, Iowa</i>
Frances Ellen Clark	<i>Shenandoah, Iowa</i>	Lester Kwendo Mwirichia	<i>Des Moines, Iowa</i>
Corey J. Comito	<i>Carlisle, Iowa</i>	Prentiss Lovell Nixon	<i>Bolingbrook, Ill.</i>
Heather Lynn Forburger	<i>Ames, Iowa</i>	Chase Matthew Pflughaupt	<i>Ames, Iowa</i>
Alex Kenneth Fouts	<i>Hudson, Iowa</i>	* Madeline Louise Robinson	<i>Cedar Rapids, Iowa</i>
Ryan C. Gazza	<i>San Diego, Calif.</i>	Atheena S. Schwers	<i>Winterset, Iowa</i>
Julian Biko Good-Jones	<i>Cedar Rapids, Iowa</i>	Kayla Ashley Taylor	<i>Des Moines, Iowa</i>
* Hannah Marie Hoffman	<i>Urbandale, Iowa</i>	Amechie Ian Walker Jr.	<i>Harrisburg, Pa.</i>
Erik Gordon Hudson	<i>Ames, Iowa</i>	* Kirsten Marie Wedewer	<i>Ankeny, Iowa</i>
Deshaunte Marvin Jones	<i>Cincinnati, Ohio</i>	Natalie Paige Wissink	<i>Champlin, Minn.</i>

BACHELOR OF SCIENCE

Major in Biochemistry

* Maeghan Starr Easler	<i>Des Moines, Iowa</i>	Gordon Ochuonyo Ouma	<i>Des Moines, Iowa</i>
Hiroki Hasebe	<i>Atsugi, Japan</i>	Samuel Luke Tufts	<i>Cedar Rapids, Iowa</i>

Major in Biology

Morgan Elizabeth Ash	<i>Germantown, Wis.</i>	***† Natalie M. Lohmann	<i>Denver, Iowa</i>
Sara Jane Bazyn	<i>Jacksonville, Fla.</i>	Lorraine Mendez	<i>Cabo Rojo, Puerto Rico</i>
Kaila Marie Brustkern	<i>La Porte City, Iowa</i>	** Molly Crystal Monroe	<i>Urbandale, Iowa</i>
Iliana Castillo-Machuca	<i>Des Moines, Iowa</i>	Deepak Navi	<i>San Jose, Calif.</i>
Olivia H. Chiodo	<i>Des Moines, Iowa</i>	Karla Ortega	<i>El Paso, Tex.</i>
* Robert Chase Cullen	<i>Fort Madison, Iowa</i>	Tyler Mark Palmquist	<i>North Oaks, Minn.</i>
* Logan Clifford Davis	<i>Oxford, Iowa</i>	Tiffany Rachel Ryan	<i>Solon, Iowa</i>
Emily A. Gamble	<i>Marion, Iowa</i>	* Patricia Louise Sanders	<i>Downers Grove, Ill.</i>
Ryan Andrew Hagist	<i>Ottumwa, Iowa</i>	* Gino Anthony Savaria	<i>Frankfort, Ill.</i>
Ream Humad	<i>Wauke, Iowa</i>	Mitchell D. Schnetzer	<i>St. Louis Park, Minn.</i>
* John Michael Huntley	<i>Woodbury, Minn.</i>	* Quinton Schnier	<i>Clinton, Iowa</i>
Kelsey Lynn Knake-Wheelock	<i>Ankeny, Iowa</i>	Kara Sue Weber	<i>Cedar Rapids, Iowa</i>
Kyungha Lee	<i>Seoul, South Korea</i>		

Major in Chemistry

* Fatima Lutfi S. Almustafa	Qatif, Saudi Arabia	Donovan Jordan Jenks	Ames, Iowa
* Kiersten Elizabeth Carter	Ames, Iowa	Aidan Richard Martinez	Chicago Ridge, Ill.
Ngoc Bao Ho	Ho Chi Minh, Vietnam	Sydney Marie Smith	Slater, Iowa

Major in Computer Science

* Adam Stephan Alouani	Strasbourg, France	Matthew James Leonard	Glen Ellyn, Ill.
Ibrahim Anjum	Faisalabad, Pakistan	Zhetian Li	West Des Moines, Iowa
Bradley B. Bales	Carlisle, Iowa	Yiming Ling	Beijing, China
Bharath Banothu	Roseville, Calif.	Yamini Mathur	Gurgaon Haryana, India
Abhaya Singh Basnet	Kathmandu, Nepal	Breandan Sean McClure	Winfield, Ill.
Noah Henry Becker	Marion, Iowa	** Madeline Renae Moses	Ogden, Iowa
Stephen Tyler Bettis	Ames, Iowa	Shashank Murthy	Lisle, Ill.
Paul Matthew Biermann	Ankeny, Iowa	Grant Page Nafziger	Lake Elmo, Minn.
**† Malcolm James Boyd	Humboldt, Iowa	August Nagro	Gurnee, Ill.
Ryan Stannes Brandt	St. Charles, Ill.	Rishab Narendra	Bangalore, India
Benjamin Ronald Carman	Lake In The Hills, Ill.	Ravi S. Patel	Palatine, Ill.
Viswadatta Chinta	Hyderabad Telangana, India	** Seth John Piphoo	Dunkerton, Iowa
*** Jonah Bleyle DeGeest	Ames, Iowa	Jacob Robert Pratt	Iowa City, Iowa
Christian Louis Eggers	Ankeny, Iowa	Sushanth Reddy Sangem	Naperville, Ill.
William Donald Fugger	Palos Heights, Ill.	* Daniel M. Schubert	Des Moines, Iowa
Yingxie Gao	Jingdezhen, China	Aayush Jayprakash Shah	Mumbai, India
William B. Greer	Davenport, Iowa	* Mitchell Dean Sinclair	Allerton, Iowa
* Jenny Ha	Cedar Rapids, Iowa	Timothe Richard Smith	Naperville, Ill.
Jacob Heiliger	Urbandale, Iowa	Bryce Adrian Struttman	Crystal Lake, Ill.
* Nathan E. Hergenreter	Fort Dodge, Iowa	Kole Winslow Swesey	Johnston, Iowa
Hausten A. Irving	Bel Aire, Kans.	* Peter W. Torzewski	Rochester, Minn.
Jinwoo Kim	Willow Street, Pa.	Benjamin Andrew Trettin	Newton, Iowa
James Edward Klekar	Marion, Iowa	Janet Villegas-Cornejo	Bensenville, Ill.
***† Calvin Joseph Kranig	Cedar Rapids, Iowa	* Timothy Aaron Wilkie	Monument, Colo.
Areesh Lalani	Wilmette, Ill.	Nickolas Alan Wilson	Schaumburg, Ill.
* Sang Ho Lee	Goyang, South Korea		

Major in Economics

Emmanuel Taban Kumuyengi	Juba, South Sudan	* Drake D. Moser	Johnston, Iowa
Wonjun Moon	South Korea	Jeremiah Jerome Stevens	Grantsburg, Wis.

Major in Environmental Science

** Josiah G. Ihnen	Cedar Rapids, Iowa
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Major in Genetics

Noah Kent Latham	Prairie City, Iowa	Ava LeeAnne Stockwell	Owatonna, Minn.
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Major in Geology

Benjamin Michael Anderson	Lake Elmo, Minn.	Collin Metz	Lombard, Ill.
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Major in History

Tyler Benjiman Beemer	Mason City, Iowa	Megan Deann Miller	Jewell, Iowa
* Zachary David Carlson	Grimes, Iowa	** Patience Marie Moyer	Polk City, Iowa
* Seth Robert Davis	Montrose, Iowa	Riley Ovenshire	Palo, Iowa
Adam James Elsinga	Des Moines, Iowa	Carlos Ramirez	Ames, Iowa
Lauryn Taylor Feauto	Carroll, Iowa	Andrea Leigh Ross	Lake View, Iowa
Patrick James Girard	Collins, Iowa	Matthew David Sheyko	Iowa City, Iowa
Emilio Hernandez	Hesperia, Calif.	Clara Christine Sporrer	Nevada, Iowa
* Kalliope C. Kantaris	Mason City, Iowa	Andrew Tyler Workman	Carlisle, Iowa
** Madeline Rose Kapfer	Center Point, Iowa		

Major in Journalism and Mass Communication

Austin David Anderson	Cedar Falls, Iowa	* Manichanh Noi Naonady	Des Moines, Iowa
Katlyn Campbell	Waukegan, Ill.	Jillian E. O'Brien	Naperville, Ill.
Shelby Leigh Chizek	Audubon, Iowa	* Cassandra Rose Olesen	Graettinger, Iowa
Patrick Duncan Cotter	Eden Prairie, Minn.	* Halee Elizabeth Olson	Villisca, Iowa
Francesca Gliori	New Prague, Minn.	Courtney A. Palmersheim	Ankeny, Iowa
Adam J. Kiesel	Shelby, Iowa	Hannah Kathleen Randolph	St. Louis, Mo.
Nathan Kouangvan	Des Moines, Iowa	Mary Louise Rominger	Los Angeles, Calif.
Austin C. Lawless	White Bear Lake, Minn.	Ian Christopher Steenhoek	Muscatine, Iowa
*** Yean Xen Lim	Sungai Buloh Selango, Malaysia	Clifford Wise	Baton Rouge, La.
Senija Mujic	Des Moines, Iowa	Emilee E. Zimmerman	New Boston, Ill.

Major in Mathematics

*** Mary Michelle Anton	Cedar Falls, Iowa	Hao Hong Kua	Johor Bahru Johor, Malaysia
Jason Theodore Chung	Ames, Iowa	Breandan Sean McClure	Winfield, Ill.
*** Bradley Weston Clark	De Soto, Iowa	Chenrui Niu	Beijing, China
Colt Joseph DeArmond	Ankeny, Iowa	***† Thomas Webb Powell	Rochester, Minn.
** Holden Gray	Des Moines, Iowa	Jason Joseph Reynolds	Iowa Falls, Iowa
** Sonya Elise Haan	Eldridge, Iowa	*** Abigail Laura Schafer	Traer, Iowa
***† Kaytlin Nicole Heylmun	Ames, Iowa	** Thomas Stirling	Ankeny, Iowa
Charles D. Krebs	Cedar Rapids, Iowa		

Major in Meteorology

Scott R. Watson Le Grand, Iowa

Major in Physics

Francis Clarence Driscoll	Des Moines, Iowa	* Jacob Allan Speltz	Knoxville, Iowa
** Alec Sample Mangan	Freeport, Ill.	***† Ryan Joseph Thompson	West Des Moines, Iowa
Ian Chase Nieland	Ames, Iowa		

Major in Psychology

Moustafa K. Abdalla	West Des Moines, Iowa	*** Alyssa Marie Johnson	Johnston, Iowa
Nathaniel Robert Anderson	Ankeny, Iowa	Yadav Jyothi Abu Dhabi, United Arab Emirates	
Ali H. M. A. H. Ashkanani	Kuwait City, Kuwait	** Zachary Katterjohn	Cannon Falls, Minn.
Hali C. Barrett	Leighton, Iowa	Justin Michael Kunkel	Ames, Iowa
* Julianne H. Beierwaltes	Woodridge, Ill.	* Elizabeth Kurt	Independence, Iowa
Allison Marie Cahill	Marion, Iowa	Andrew Thomas Lindsey	Lindstrom, Minn.
Clara Chung	Parsippany, N.J.	Hannah Elizabeth Meyer	Oelwein, Iowa
Anna Elizabeth Dotts	Des Moines, Iowa	Kyle Jordan Miller	West Des Moines, Iowa
Alexander Robert Gilles	Bartlett, Ill.	‡ Alyssa R. Porter	Hastings, Minn.
Makayla Hampton Herrera	West Des Moines, Iowa	Makaylee Marie Rhodes	Danville, Iowa
* Taya Eileen Herum	Cedar Falls, Iowa	Jenna Kathleen Schlawin	Garner, Iowa
Brittany Joy Hornor	Albert City, Iowa	Garrett Q. Smith	Crete, Ill.
Brooke Elizabeth Huffaker	Ames, Iowa	Paige E. Sorensen	Marne, Iowa

* Cum Laude † Honors Program
** Magna Cum Laude ‡ Posthumous Degree
*** Summa Cum Laude

Major in Public Relations

Jacob Stephen Benda	Ankeny, Iowa	Dakota Alexis Karthan	Ankeny, Iowa
Summer Moriah Bontrager	Oxford, Iowa	** Brady Bernard Meister	Moville, Iowa
Latece O. Buford	Waterloo, Iowa	** Sarah Elizabeth Rich	Waterloo, Iowa
Zachary Robert Cook	Des Moines, Iowa	Ashley E. Roth	Cumming, Iowa
** Caleb John Corbin	Moville, Iowa	** Christina A. Stroback	Coralville, Iowa
* Allegra Claire Frickel	Cottage Grove, Minn.	Nayelie Valenzuela	Sioux City, Iowa
Danielle Lynne Fundermann	Creston, Iowa	**† Melanie Rae Van Horn	Sheffield, Iowa
Mariam Ashraf Hassan	Ames, Iowa	Emma Jane Vandemore	Geneseo, Ill.
Logan Hotz	Council Bluffs, Iowa	Audrey Christine Ward	Huxley, Iowa
Molly Catherine Howard	Pella, Iowa		

Major in Sociology

Grant Robert Manfull Ames, Iowa

Major in Statistics

Jimingyang Dai	Shanghai, China	Joseph Harrison Verschoor	Sioux City, Iowa
* Hanqing Liang	Guangxi, China	Jiadi Yang	Wuhan, China
Zongyuan Liu	Ames, Iowa		

Major in Technical Communication

***† Sarah Michaela Kreutner Vinton, Iowa Elizabeth Marie Woods Des Moines, Iowa

Multiple Curricula and Majors

Taylor Nicole Adams	Ankeny, Iowa	* Samuel Lee Leonard	Jordan, Minn.
Public Relations and Political Science		Physics and Biophysics	
Mckinsea R. Alexander	Griswold, Iowa	* Jennifer Paige Long	Cedar Rapids, Iowa
Sociology and Criminal Justice Studies		History and Political Science	
Bradley Joseph Bruett	Winterset, Iowa	Abraham Isai Lopez	Des Moines, Iowa
Genetics and World Languages and Cultures (Spanish)		Journalism and Mass Communication and International Studies	
Shuqi Deng	Hongkong, China	** Tyler James Mardis	West Des Moines, Iowa
Physics and Mathematics		Public Relations and English	
* Jordan Andrew Fisher	West Des Moines, Iowa	** Gillian Emily Mohn	Sheldon, Iowa
Psychology and Philosophy		Technical Communication and Philosophy	
** Emily Alissa Opal Haberlack	Burnsville, Minn.	*** Gavin Nathaniel Nop	Huxley, Iowa
Environmental Science and Sociology and Environmental Studies		Mathematics and Philosophy	
Alisha Marie James	Granville, Iowa	* Allison Mary Stadnik	New Hope, Minn.
Technical Communication and English		Public Relations and History	
Solomon Christopher Jones	Des Moines, Iowa	Makenna Rae Wolf	Radcliffe, Iowa
Public Relations and World Languages and Cultures (Spanish)		Biology and Animal Ecology	

* Cum Laude
** Magna Cum Laude

*** Summa Cum Laude
† Honors Program

CANDIDATES FOR COMMISSION

The following students have been, or will be, commissioned in the branch of service indicated:

United State Army

Anders J. Chelgren
Issac G. Gibbons (Summer 2019)
Ryan J. Hansen (Summer 2019)
John B. Ketcham
Calvin J. Kranig

United States Navy

John M. Huntley
Christian Mahneke
Quinton G. Schnier

United States Air Force

Nicholas B. Pollock
Nicholas P. Robbins

United States Marine Corps

Kristopher R. Dietrich

SENIOR CLASS COUNCIL

The mission of the Senior Class Council (SCC), a committee of the Student Alumni Leadership Council (SALC), is to benefit and unite seniors through events and services while promoting an understanding of the Iowa State University Alumni Association. The 2019-2020 Senior Class Council is comprised of 14 students who are dedicated to recognizing seniors for their many achievements.

The Senior Class Council plans a number of programs for seniors including both Fall and Spring Senior Weeks, where seniors enjoy special tours and free food on campus; the Senior Package, a gift

set that included commemorative Iowa State items; Grad Breakfast, a chance for seniors to relax and enjoy a meal served by ISU faculty and staff; and the Senior Send-off, a year-end event for seniors at the ISU Alumni Center to celebrate seniors' transitions to being alumni! The events that SCC plans and co-sponsors are intended to be both beneficial and enjoyable for seniors.

For more information on SCC and SALC programs, please visit www.isusalc.org.

To learn more about the Iowa State University Alumni Association, go to www.isualum.org.

2019-2020 Senior Class Council Leadership

President:

Lydia Granahan

Vice-President:

Jacob Burt

Council Members:

Shaelyn Adams

Rebecca Ahrendsen

Georgia Androy

Riley Arthur

Peyton Boyle

Holly Cook

Blake Lineweaver

Haley Matter

Cooper McDermott

Abigail Miller

Jared Mullinix

Lexi Novak

IOWA STATE UNIVERSITY ALUMNI ASSOCIATION

Cyclones Everywhere

Iowa State University alumni are more than 250,000 strong. And they are everywhere ... in all 50 states and 152 countries – a family united by the Cardinal & Gold. No matter if your adventure takes you far from the heartland or if you put roots down right here in Iowa, if you're a Cyclone, you're never really far from home.

Keeping graduates connected to Iowa State and each other is the No. 1 goal of the ISU Alumni Association. Through reunions, events, social media, and other communications, the Alumni Association is your one-stop-shop to re-engage with your university.

Here are six ways to continue your Iowa State adventure through the Alumni Association:

1. Connect with Cyclones everywhere through our local affiliate groups in more than 30 locations.
2. The ISU Alumni Center is your forever home. Stop by the Center (420 Beach Ave.) on your way to central campus; better yet, park at the Center and ride CyRide!
3. Take advantage of the Association's career resources, like resume reviews, webinars, blogs, and job-hunting tips.
4. Download the Iowa State Alumni App from the App Store or Google Play.
5. Stay connected with Cyclones everywhere through the online Alumni Directory – and don't forget to update your own information when you move or change jobs.
6. Become a New Grad Member of the ISU Alumni Association and receive discounts, invites to events, and more (www.isualum.org/newgrad).





Summer 2019

Official List of Degree Recipients
Conferred August 10, 2019

DEGREE RECIPIENTS FROM THE GRADUATE COLLEGE

DOCTOR OF PHILOSOPHY

Major in Aerospace Engineering

Devayan Debashis Bir *Bhavnagar, India*
DISSERTATION: Investigating persistence in an aerospace engineering program

§ Rajarshi Biswas *Kolkata, India*
DISSERTATION: Extending the lag parameter approach of turbulence modeling

Xiangchao Feng *Ames, Iowa*
DISSERTATION: Fracture and toughening of soft elastic composites

§ Guodong Zhu *Heze, China*
DISSERTATION: Decision making under uncertainties for air traffic flow management

Major in Agricultural and Biosystems Engineering

Nazira Binti Mahmud *Gambang, Malaysia*
DISSERTATION: Low moisture anhydrous ammonia (LMAA) pretreatment of lignocellulosic biomass and assessments for biobutanol production

Mohammad Mousaviraad *Tehran, Iran*
DISSERTATION: Physical characterization, calibration, and validation methodology for modeling of grains using Discrete Element Method (DEM)

§ Jofran Luiz de Oliveira *Rondonopolis, Brazil*
DISSERTATION: Behavior, welfare, production and bioenergetics of laying hens in alternative housing systems

Maria da Conceicao Oliveira *Rondonopolis, Brazil*
DISSERTATION: Analyzing and advancing maize and sugarcane biorefinery systems

Major in Agricultural Education

Stacie Marie Renner-Turnbull *North Bend, Neb.*
DISSERTATION: Professional development with an emphasis on barriers, motivation, and attitudes regarding teaching biotechnology concepts

†† Kevin Trenton Wells *Jasper, Ala.*
DISSERTATION: The integration of virtual reality technology into agricultural education

Major in Agricultural Meteorology

Victoria Ashley Walker *Anchorage, Alaska*
DISSERTATION: A new approach to retrieving soil moisture from SMAP over the Corn Belt

Major in Animal Breeding and Genetics

Qian Dong *Wuhan, China*
DISSERTATION: Genetics and transcriptomics of host response to PRRS in nursery pigs

Major in Animal Science

Mohammad Abdel-Nasser Al-Qaisi *Amman, Jordan*
DISSERTATION: Developing and validating a heat stress model and evaluating nutritional management strategies to mitigate heat stress and immune-challenges in dairy cows

Remy Nicole Carmichael *Midland, Tex.*
DISSERTATION: The influence of dietary zinc concentration during periods of rapid growth induced by ractopamine hydrochloride or dietary energy and dietary fiber content on trace mineral metabolism and performance of beef steers

Major in Apparel Merchandising and Design

Changhyun Nam *Seoul, South Korea*
DISSERTATION: Sustainable shoe design and evaluation using kinematic and kinetic analysis

Major in Applied Linguistics and Technology

Zaha Munahi S. Alanazi *Riyadh, Saudi Arabia*
DISSERTATION: Validity argument for EPT written argumentative essays

§ Yongkook Won *Daegu, South Korea*
DISSERTATION: The effect of task complexity on rater severity in an adaptive performance-based second language oral communication test

Major in Applied Mathematics

Peimeng Yin *Taian, China*
DISSERTATION: Efficient discontinuous Galerkin (DG) methods for time-dependent fourth order problems

Major in Astrophysics

Rita Marlene Wells *Brentwood, Tenn.*
DISSERTATION: Precision measurements of blazar spectra with VERITAS

Major in Bioinformatics and Computational Biology

†† Natalia I. Acevedo Luna *Bogota, Colombia*
DISSERTATION: In-silico guided identification of ciliogenesis candidate genes in a non-conventional animal model

Gaurav Kandoi *Delhi, India*
DISSERTATION: Machine learning tools for mRNA isoform function prediction

†† Carla M. Mann *Aurora, Ill.*
DISSERTATION: Applications of machine learning to solve biological puzzles

Major in Biomedical Sciences (Anatomy)

§ Sireesha Manne *Guntur, India*
DISSERTATION: Development of diagnostic biomarkers for proteinopathies: Relevance for early diagnosis in Prions and Parkinson's disorders

Major in Biomedical Sciences (Cell Biology)

††§ Sreemoyee Acharya *Mumbai, India*
DISSERTATION: Developing novel ways of studying motility in *Schistosoma mansoni* and its potential contribution towards inhibiting Schistosomiasis.

††§ Shaunik Sharma *Amritsar, India*
DISSERTATION: Investigating the neuroprotective and anti-epileptogenic mechanisms of inducible nitric oxide synthase and Src family kinase/Fyn inhibitors in experimental models of temporal lobe epilepsy

Major in Biomedical Sciences (Pharmacology)

†† Shivani Choudhary *Ames, Iowa*
DISSERTATION: Identification and modulation of novel nicotinic acetylcholine receptors from parasitic nematodes

Major in Business and Technology (Management)

†† Sina Amiri *Tehran, Iran*
DISSERTATION: Strategic restructuring: Study of
divestitures and acquisitions

Andres Felipe Cortes Ortiz *Bogota, Colombia*
DISSERTATION: Exploring the influence of leaders
on organizational innovation

Major in Business and Technology Supply Chain Management

††§ Prabhjot Singh *Ludhiana, India*
DISSERTATION: How firms leverage internal and
external sources of environmental capabilities:
Three essays on environmental sourcing

Major in Chemical Engineering

Sanaz Abdolmohammadi *Tehran, Iran*
DISSERTATION: Towards production of bio-
advantaged polyamide

Kirsten Marie Davis *Johnstown, Colo.*
DISSERTATION: Tools for improving and
understanding microbial performance in
biorenewable applications

Meirong Gao *Yulin, China*
DISSERTATION: Designing high-performance
yeast factories for the production of high-value
aromatics based on a novel species and its
consortia

†† Zhe Li *Urumqi, China*
DISSERTATION: Two-dimensional early transition
metal carbides as supports for platinum catalysts

Fang-Yi Lin *Yilan, Taiwan*
DISSERTATION: Gelation mechanism, synthesis,
characterization, and applications of bio-based
and model thermoplastic elastomers via RAFT
polymerization

Rainie Dean Nelson *Snohomish, Wash.*
DISSERTATION: Solution phase synthesis of lead-
free perovskite and perovskite-inspired materials

Major in Chemistry

Brett William Boote *Ames, Iowa*
DISSERTATION: Investigation of the photophysical
properties of energy-relevant inorganic
nanocrystals

Major in Civil Engineering (Civil Engineering Materials)

Benjamin Stephen Claypool *Denison, Iowa*
DISSERTATION: Development of performance
models to determine effectiveness of flexible
pavement preservation using a pavement
management system

Major in Civil Engineering (Intelligent Infrastructure Engineering)

Laura Micheli *Cantalice, Italy*
DISSERTATION: Life-cycle cost and uncertainty
analysis of high-performance control systems in
wind-excited tall buildings

Adel Rezaei Tarahomi *Babol, Iran*
DISSERTATION: Development of rigid airfield
pavement foundation response and moduli
prediction models

Major in Civil Engineering (Structural Engineering)

Zhao Cheng *Tianshui, China*
DISSERTATION: Seismic performance of
prefabricated bridge piers supported on pile
foundations

Yongqiang Gong *Jingzhou, China*
DISSERTATION: Variable friction cladding
connection for multi-hazard mitigation

Major in Civil Engineering (Transportation Engineering)

§ Pranamesh Chakraborty *Kolkata, India*
DISSERTATION: Freeway traffic incident detection using large scale traffic data and cameras

Amrita Goswamy *Kolkata, India*
DISSERTATION: Evaluation of work zone safety using the SHRP2 naturalistic driving study data
Luning Zhang *Beijing, China*
DISSERTATION: Solving arc routing problems for winter road maintenance operations

Major in Computer Engineering

Yunxi Guo *Shenzhen, China*
DISSERTATION: Cryptographic application of physical unclonable functions (PUFs)

Ki Sung Koo *Seoul, South Korea*
DISSERTATION: Power management algorithms for IoT platforms

§ Binghui Wang *Huanggang, China*
DISSERTATION: Graph-based security and privacy analytics via collective classification

Michael Grant Williams *Malcolm, Neb.*
DISSERTATION: Improving security of IoT using RIOTSS

Major in Computer Science

Junaid Babar *Madras, Tenn.*
DISSERTATION: Decision diagrams: Extensions and applications to reachability analysis

†† Anindya Das *Dhaka, Bangladesh*
DISSERTATION: Hierarchical phylogeny construction

Major in Condensed Matter Physics

Chamika M. Hippola *Pilimathalawa, Sri Lanka*
DISSERTATION: OLEDs: Light extraction and deep blue emission

§ Xu Yang *Yuci, China*
DISSERTATION: Light-quantum control of superconductivity by intense terahertz radiation

Major in Crop Production and Physiology

§ Mauricio Diego Tejera *Montevideo, Uruguay*
DISSERTATION: Age and nitrogen effects on *Miscanthus x giganteus* growth and development

Major in Ecology and Evolutionary Biology

††§ Finn Piatscheck *St-Jean-de-Cornies, France*
DISSERTATION: Past, present and future: Geographic and temporal variation in a fig-fig wasp mutualism

Major in Economics

Somenath Bera *Kolkata, India*
DISSERTATION: Essays on labor supply and stock effect in fisheries

Shaobai Jiang *Beijing, China*
DISSERTATION: Three essays on applications of machine learning in problems with high dimensional data

†† Jae Hyong Kim *Seoul, South Korea*
DISSERTATION: Essays on finance, investment, and money

†† Jiaoting Shi *Huangshi, China*
DISSERTATION: Three essays in macroeconomics

Qiong Wu *Nanchang, China*
DISSERTATION: Microstructure theory applied in RMB exchange rate and bitcoin market price

Zhongzheng Zhou *Nanjing, China*
DISSERTATION: Three essays on deposit insurance, initial public offerings, and shadow banks

Major in Education

Wendy Annette Barlow *Altoona, Iowa*
DISSERTATION: Stance, strategies, and agency: A collective case study of three secondary ELA teachers' critical disciplinary literacy practices

†† Ashley Reagan Delaney *Ankeny, Iowa*
DISSERTATION: The influence of a female-centered figured world on the STEM identities of young girls

Major in Education (Educational Leadership)

Jennifer Mirabai Beck Cedar Falls, Iowa
DISSERTATION: Investigating and comparing operationalizations of first-generation students: Similarities and differences in the characteristics, experiences, and one-year persistence of students across multiple levels of parental education

Timothy James Tesar Des Moines, Iowa
DISSERTATION: Patterns of philanthropic gifts among student-athlete alumni: A case study of a Midwest university

Lisette E. Torres-Gerald Lincoln, Neb.
DISSERTATION: Speaking truth to power and to the people: Scientist bloggers of color as public intellectuals

Major in Electrical Engineering

§ Anmar Ibrahim Arif Riyadh, Saudi Arabia
DISSERTATION: Distribution system outage management after extreme weather events

§ Yifei Wang Ames, Iowa
DISSERTATION: Development of nanophotonic biosensor platform towards on-chip liquid biopsy

Major in Electrical Engineering (Bioengineering)

Upendar Kalwa Hyderabad, India
DISSERTATION: Automated image analysis systems to quantify physical and behavioral attributes of biological entities

Major in Electrical Engineering (Communications and Signal Processing)

§ Hooshang Ghasemi Tehran, Iran
DISSERTATION: Coded caching: Information theoretic bounds and asynchronis

Han Guo Zhangping, China
DISSERTATION: An online algorithm for separating sparse and low-dimensional signal sequences from their sum, and its applications in video processing

Major in Electrical Engineering (Electric Power and Energy Systems)

§ Amarsagar Reddy Ramapuram Matavalam Hyderabad, India
DISSERTATION: Online monitoring and mitigation of voltage instability in transmission and distribution systems using syn

Major in Electrical Engineering (Electromagnetics Microwave and Nondestructive Evaluation)

Yang Bao Nanjing, China
DISSERTATION: Efficient analytical and numerical modeling for nondestructive evaluation

Xiaojing Zhong Beijing, China
DISSERTATION: In-vitro experiments on neuronal cells and computer modeling over realistic head models in TMS

§ Priyam Rastogi Lucknow, India
DISSERTATION: Novel coil designs for different neurological disorders in transcranial magnetic stimulation

Major in Electrical Engineering (Microelectronics and Photonics)

Xinran Wang QiQiHar, China
DISSERTATION: Next-generation reference electrodes with high potential stability towards long-term sensor measurements

Major in Engineering Mechanics

††§ Tejaswi Soori *Mangalore, India*
DISSERTATION: Experiments on fluid displacement
in porous media: Convection and wettability effects

Major in Environmental Science

Anna Mikhailovna Belyaeva *Kranoyarsk, Russia*
DISSERTATION: Biodiversity, biological integrity,
and population ecology in disturbed aquatic
environments

Major in Fisheries Biology

Andrea Lynn Sylvia *Peoria, Ariz.*
DISSERTATION: An evaluation of tournament
angling impacts on a Largemouth Bass
population using mark-recapture data

Major in Genetics

Luke Matthew Kramer *St. Paul, Minn.*
DISSERTATION: Phenotypic, additive genetic
and non-additive genetic analysis of health and
nutrient composition data in beef cattle

Major in Genetics and Genomics

Lijun Cao *Zhengzhou, China*
DISSERTATION: The molecular interactions of
soybean circadian clock with abiotic stresses and
soybean cyst nematode (*Heterodera glycines*)

Changtian Chen *Shandong, China*
DISSERTATION: Development of an aptamer-based
nanosensor for SA detection and exploration of
the role of SA in stress granules formation

Major in Gerontology

Mary Ellen Joynt *Garner, Iowa*
DISSERTATION: Gender differences and similarities
among octogenarians and centenarians: A study
of personality, social supports, and disablement

Major in High Energy Physics

Hai Jiang *Wuhan, China*
DISSERTATION: Search for the Lepton Flavor
Violating decay $Z \rightarrow e\mu$ with the ATLAS detector
at the LHC

†† Carlos Miguel Vergel Infante *Pamplona, Colombia*
DISSERTATION: Search for the high transverse
momentum Higgs boson produced in association
with a vector boson and decaying to a pair of
 b -quarks using the Center-of-Mass tagger with
the ATLAS detector

Major in Horticulture

Isaac Thomas Mertz *Panora, Iowa*
DISSERTATION: Evaluation of creeping bentgrass
responses to fertilization with the branched-chain
amino acids

†† Sharon Mbabazi Tusiime *Kampala, Uganda*
DISSERTATION: Current status and prospects
of tomato seed production and distribution in
Uganda

Major in Hospitality Management

†† Nishapat Meesangkaew *Bangkok, Thailand*
DISSERTATION: The effects of internal crisis communication on communication satisfaction, employee satisfaction, organizational commitment, and turnover intention for Thai hotel employees

Major in Human Computer Interaction

Adel Sulaiman *Abha, Saudi Arabia*
DISSERTATION: Training and evaluation in a large-scale virtual environment for a location-based mobile application

Jamiahus Walton *Peoria, Ill.*
DISSERTATION: Evaluating the effect of displaying team vs. individual metrics on team performance

Major in Human Development and Family Studies

Juan Bao *Changzhou, China*
DISSERTATION: Influences of stress, individual and family processes on rural low-income children's internalizing and externalizing behaviors

Sesong Jeon *Daegu, South Korea*
DISSERTATION: The intergenerational relationship between Korean aging mothers and adult daughters

Peggy Ann Lockhart *Ames, Iowa*
DISSERTATION: The association of affectionate touch and well-being among older married adults

Erin Lorraine Neill *Centreville, Va.*
DISSERTATION: The use of empirically supported treatment components for trauma exposure: The role of therapist training and characteristics

†† Greta Luise Stuhlsatz *La Center, Wash.*
DISSERTATION: Health and sexuality: An examination of the influences of sexuality on mental and physical health

Major in Immunobiology

Mahesh Bhandari *Kathmandu, Nepal*
DISSERTATION: Immune response to and pathogenesis of porcine epidemic diarrhea virus

Ross Jeffrey Darling *Kirkman, Iowa*
DISSERTATION: The STING of inflammatory adjuvants: Is the Toll too high?

Jordan Marie Eder *Sharon Springs, Kans.*
DISSERTATION: Immunometabolic profiling of CD4⁺ T cells in cattle

Sarah Anne Wiechert-Brown *Chicago, Ill.*
DISSERTATION: Pulmonary immunomaturation in the neonatal horse: Age-related changes in the pulmonary cytokine milieu and circulating antigen-antibody complexes and their influence on macrophage phenotype and function

Major in Industrial Engineering

†† Dan Hu *Beijing, China*
DISSERTATION: Short-term operation of the power system and the natural gas system considering uncertainties

Major in Inorganic Chemistry

Bryan Owens-Baird *Salt Lake City, Utah*
DISSERTATION: Structure-property relationships of binary and ternary metal pnictides for energy applications

Major in Kinesiology

†† Kathryn Joann DeShaw *Brainerd, Minn.*
DISSERTATION: Methods and evaluation of a health coach training practicum experience for healthy lifestyle behavior change

§ Matthew Aaron Ladwig *Hobart, Ind.*
DISSERTATION: Dorsolateral prefrontal cortical hemodynamics, cognitive inhibition, and affective responses to exercise among children: Implications for pediatric exercise prescription

†† Mitchell Lewis Stephenson *Atlanta, Mich.*
DISSERTATION: Anterior cruciate ligament injury risk is modified by the timing of the successful identification of directional cues

Major in Materials Science and Engineering

§ Zhongming Fan *Beijing, China*
DISSERTATION: Insights into performance stability of lead-free piezoelectric ceramic

Major in Mathematics

†† Anna Aboud *Anchorage, Alaska*
DISSERTATION: A dualized Kaczmarz algorithm in Hilbert and Banach space

Tyler A. Brown *Elizabethtown, Pa.*
DISSERTATION: Computable structure theory on Banach spaces

Major in Mechanical Engineering

Aaron Michael Bertram *Ames, Iowa*
DISSERTATION: Machine learning assisted optimization with applications to diesel engine optimization with the particle swarm optimization algorithm

§ Onur Rauf Bingol *Ankara, Turkey*
DISSERTATION: A framework for geometric modeling and structural analysis of composite laminates

§ Bolin Chen *Nanjing, China*
DISSERTATION: Additive manufacturing of flexible energy harvesting and storage device

Aditya Kommajosula *Hyderabad, India*
DISSERTATION: Computational design of stable particles in inertial microfluidic flows: A step towards passive manipulation

Miao Na *Shenyang, China*
DISSERTATION: Head impact simulation using coupled Eulerian-Lagrangian approach

Ramin Noruzi *Ames, Iowa*
DISSERTATION: Computational analysis and design of the morphology of organic solar cells

†† Ryan Michael Ogren *Ankeny, Iowa*
DISSERTATION: Optimization of multi-injection diesel combustion through direct application of ABC and PSO variant algorithms

§ Yaoyu Pan *Wuhan, China*
DISSERTATION: Development of particle-scale simulation methods for multiphase flow study

Rajeendra Lakruwan Pemathilaka *Galle, Sri Lanka*
DISSERTATION: Placenta-on-a-chip: A microfluidic platform to study the drug transport across the human placental barrier

§ Ridong Wang *Tianjin, China*
DISSERTATION: Raman-based study of micro/nanoscale structure and thermal transport

Alex Harlan Wrede *Clara City, Minn.*
DISSERTATION: Investigation of controlled cavitation and its effects in traumatic-brain injuries

§ Bowei Zhang *Wuhan, China*
DISSERTATION: Advanced manufacturing and nanotechnology for non-noble metal-based oxygen evolution electrocatalysts

Major in Microbiology

††§ Nicholas Lambrecht *Stacy, Minn.*
DISSERTATION: Insights into early Earth ocean biogeochemistry from intensive monitoring of two ferruginous meromictic lakes

Major in Molecular Cellular and Developmental Biology

Jermilia Charles *Castries, St. Lucia*
DISSERTATION: Discovery and sequencing of novel and identified mosquito-associated viruses and genetic determinants of flavivirus host specificity

Major in Nutritional Sciences

- § Kelsey Elizabeth McLimans *McFarland, Wis.*
DISSERTATION: Biomarkers of insulin resistance, oxidative stress, and nutrition and the brain
- § Cassondra J. Saande *Hastings, Minn.*
DISSERTATION: Impact of whole egg consumption on nutrient homeostasis in metabolic disease

- Jessica Rose Szczepanski *Winona, Minn.*
DISSERTATION: Food/nutrition aptitudes and dietary intake among college students and university employees: Effectiveness of a Culinary Boot Camp nutrition education program on improving current state and providing future solutions
- Tovah Wolf *Finley, N. Dak.*
DISSERTATION: Chronic disease prevention: Nutrition and behavioral neuroscience approaches

Major in Organic Chemistry

- †† Huangchao Yu *Xi'an, China*
DISSERTATION: Biorenewable chemicals in organic synthesis: Applications of methyl coumalate and nitroquinones

Major in Physical Chemistry

- †† Joani Mato *Himare, Albania*
DISSERTATION: The spin-flip guide to multi-reference quantum chemistry

- Buu Quoc Pham *Ho Chi Minh, Vietnam*
DISSERTATION: Threading a path to exascale with chemical scissors and integral compressors in a singular manner

Major in Plant Biology

- Xinyu Fu *Nanchang, China*
DISSERTATION: Compartment-specific metabolism associated with acetyl-CoA and acyl carrier protein

Major in Plant Breeding

- Benjamin Thomas Trampe *Sumner, Neb.*
DISSERTATION: Assessment of inducibility and spontaneous haploid genome doubling in maize (*Zea mays L.*)

Major in Plant Pathology

- § Grazieli Araldi Da Silva *Santa Barbara do Sul, Brazil*
DISSERTATION: Studies on the impact of cover crops on soybean productivity and root disease
- § Chelsea Jean Harbach *Warren, Ill.*
DISSERTATION: Investigating the interactions between cover crops and the soybean cyst nematode through lab, greenhouse, and field studies

- Tra Thi Thanh Huynh *Quy Nhon, Vietnam*
DISSERTATION: Biocontrol potential of *Bradyrhizobium japonicum* against soybean sudden death syndrome

Major in Psychology

- Dominick Joseph Atkinson *Kokomo, Ind.*
DISSERTATION: What makes a good liar? The relationship between cognitive and personality assessments' and lying ability using traditional and strategic interview approaches

- § Garrett Charles Hisler *Springport, Mich.*
DISSERTATION: Sleep as a restorative process for self-control
- †† Krista D. Manley *Bozeman, Mont.*
DISSERTATION: Identifying the masked perpetrator: A new hope

Major in Psychology (Counseling Psychology)

††§ Patrick John Heath *St. Paul, Minn.*
DISSERTATION: Masculinity and psychological help seeking: An application of Social Identity Theory

†† Dakota Joseph Kaiser *Marathon, Wis.*
DISSERTATION: The mediational role of affect regulation on the relation between attachment and alcohol use in college students

†† Haley Alyssa Shea *Huntington, Ind.*
DISSERTATION: Myaamia storytelling and living well: An ethnographic examination

Elizabeth M. TenBrook *Cicero, Ind.*
DISSERTATION: The acronym's forgotten letter: Beliefs about transgender men and women

Major in Rhetoric and Professional Communication

George William Standifer *Chattanooga, Tenn.*
DISSERTATION: *De visualium rhetoricorum natura*: Design, art, culture, text

Major in Rural Agricultural Technological and Environmental History

††§ Maria Elizabeth Howe *St. Louis, Mo.*
DISSERTATION: Managing the Missouri: Federal water projects, the landscape, and the law

Major in Statistics

Abhishek Chakraborty *Kolkata, India*
DISSERTATION: Some Bayes methods for biclustering and vector data with binary coordinates

Ju Ji *Shenzhen, China*
DISSERTATION: Statistical causal inference methods and spatio-temporal modeling for animal and human health data

Danhyang Lee *Daegu, South Korea*
DISSERTATION: Topics on small area estimation, multilevel models, and semiparametric imputation

Vianey Leos Barajas *Bakersfield, Calif.*
DISSERTATION: Incorporating multi-scale structures and physiological processes into the modeling of animal movement.

Jingru Mu *Zhengzhou, China*
DISSERTATION: Spatially varying coefficient models: Theory and methods

Nehemias Ulloa *Bakersfield, Calif.*
DISSERTATION: Bayesian hierarchical modeling for disease outbreaks

Haozhe Zhang *Zhejiang, China*
DISSERTATION: Topics in functional data analysis and machine learning predictive inference

Major in Veterinary Pathology

§ Eric David Cassmann *Algona, Iowa*
DISSERTATION: Transmissible spongiform encephalopathies in sheep: Experimental determination of genetic susceptibility and interspecies transmission

Major in Wind Energy Science Engineering and Policy

Charles Czahor *Bayville, N.J.*
DISSERTATION: Calcium passivation and properties of Al/Ca composite conductors

Multiple Curricula and Majors

††§ **Andrew Lee Bodling** *Round Rock, Tex.*

DISSERTATION: Numerical investigations of bio-inspired blade designs to reduce broadband noise in aircraft engines and wind turbines
MAJORS: Wind Energy Science Engineering and Policy and Aerospace Engineering

Naboth Bwambale *Kampala, Uganda*

DISSERTATION: Smallholder farmers' social capital, resource access and adoption of integrated soil fertility management technologies and practices in the Masaka bean innovation platform
MAJORS: Sustainable Agriculture and Sociology

§ **Patrick Maloney** *Petoskey, Mich.*

DISSERTATION: Methods for cooptimization planning and plan validation under uncertainty
MAJORS: Wind Energy Science Engineering and Policy and Electrical Engineering (Electric Power and Energy Systems)

Joseph Patrick Polin *Tyngsboro, Mass.*

DISSERTATION: Process intensification of biomass fast pyrolysis via autothermal operation
MAJORS: Mechanical Engineering and Biorenewable Resources and Technology

Tyler Jordan Smith *South Jordan, Utah*

DISSERTATION: A comparison of prescriptive usage problems in formal and informal written English
MAJORS: Rhetoric and Professional Communication and Applied Linguistics and Technology

Jue Wang *Jiaxing, China*

DISSERTATION: Studies on semiparametric spatial regression models
MAJORS: Applied Mathematics and Statistics

Pengyuan Wang *Longkou, China*

DISSERTATION: Data-driven cyber attack detection and mitigation for decentralized wide-area protection and control in smart grids
MAJORS: Electrical Engineering and Computer Engineering

††§ **Mathew Lee Wymore** *Oskaloosa, Iowa*

DISSERTATION: Low-energy sensor network protocols and application to smart wind turbines
MAJORS: Wind Energy Science Engineering and Policy and Computer Engineering

MASTER OF ACCOUNTING

Major in Accounting

Randolph Robert Dean Pyle Ames, Iowa

Major in Accounting (Data Analytics)

Anya Lynn Gedlinske Cedar Falls, Iowa

MASTER OF ARCHITECTURE

Major in Architecture

Himali Rajeshkumar Limbad Ahmedabad, India Tianling Xu Shanghai
Raymond Whitfield Nurse Bridgetown, Barbados

MASTER OF ARTS

Major in Anthropology

Taylor Alyse Mithelman Johnston, Iowa
THESIS: Craft production, development, and tourism:
Evaluating the kente business in Kpetoe, Ghana

Major in English (Literature)

†† Emily Mae Grzywacz Ames, Iowa Meredith Anne Smith-Lane Fort Dodge, Iowa
THESIS: Trees in/as trauma THESIS: The identity and role of the mother in late
nineteenth century fiction by women

Major in Graphic Design

Huizi Shi Beijing, China Diana Zhang Ames, Iowa

Major in History

Alyssa Kay Yanni Ames, Iowa
THESIS: Rosie the homemaker: How national and
local publications influenced women in Central
Iowa on the home front during World Wars I and II

Major in Interior Design

Collin Douglas Powell Walford, Iowa
THESIS: Domesticity + queer semiotics in the
aesthetic movement

Major in Political Science (Public Policy)

Katie Marie Krumbholz Robins, Iowa
THESIS: Felon disenfranchisement and political
culture

Major in Teaching English as a Second Language/Applied Linguistics (Corpus and Computational Linguistics)

Thomas Bradley Elliott *Nevada, Iowa*
 THESIS: Variation in use of nouns as nominal
 premodifiers in advanced student writing across
 academic disciplines

Major in Teaching English as a Second Language/Applied Linguistics (Literacy in English as a Second Language)

Rebecca Arielle Severin *Fairfield, Iowa*
 THESIS: L1 audio and textual glosses for
 incidental vocabulary learning through reading

MASTER OF ARTS IN TEACHING

Major in Science Education

Hilary Alexis Schieffer *Altoona, Iowa*

MASTER OF BUSINESS ADMINISTRATION

Major in Business Administration

Jeffrey Allen Ackley	<i>Des Moines, Iowa</i>	Frank Anthony Scaglione II	<i>Des Moines, Iowa</i>
Michael Vernon Greenlee	<i>Des Moines, Iowa</i>	Mina Taheri	<i>Ames, Iowa</i>
Mark Neyens	<i>Dubuque, Iowa</i>		

Major in Business Administration (Supply Chain Management)

Joshua Philip Franz *Des Moines, Iowa*

MASTER OF BUSINESS ANALYTICS

Major in Business Analytics

Sarah A. Diercks	<i>Denver, Iowa</i>	Patrick John Golus	<i>Ankeny, Iowa</i>
Erika Amber Fitzgerald	<i>Lakeland, Minn.</i>		

MASTER OF COMMUNITY AND REGIONAL PLANNING

Major in Community and Regional Planning

Rakibul Ahasan *Noakhali, Bangladesh*
THESIS: Transit proximity and affordable housing
investments: Application of Hedonic Model in
Des Moines, Iowa

Jaydevsinh Kiritsinh Atodaria *Surat, India*
Morgan Elizabeth Bradley *Ames, Iowa*
THESIS: What does food mean? A multi-scale
investigation into Des Moines, Iowa

Kwadwo Afari Gyan *Tema, Ghana*
Tanvi Sharad Halde *Mumbai, India*

Dustin Lee Ingram *Elberton, Ga.*
Sayma Khajehei *Tehran, Iran*
THESIS: Recovery challenges of public housing
residents after disasters: Lumberton, North
Carolina after Hurricane Matthew

Daria Kuznetsova *Kramatorsk, Ukraine*
THESIS: Impact of the decentralization reform on
the quality of local public services in Ukraine

Kendyl Wyatt Landeck *Moscow, Idaho*

MASTER OF DESIGN IN SUSTAINABLE ENVIRONMENTS

Major in Sustainable Environments

Aziza Cyamani *Kigali, Rwanda*
Kelly Rose Naumann *Gilbert, Ariz.*

Shuang Wu *Huangchuan, China*

MASTER OF EDUCATION

Major in Education

Nathaniel M. Overberg *Salem, Iowa*
Kara Terese Rasmusson *Cedar Falls, Iowa*

Susan Lynne Williams *Elmer, N.J.*

Major in Education (Mathematics Licensure)

Nicholas Anthony Allmon *Council Bluffs, Iowa*
Samantha Patterson *Bolingbrook, Ill.*

Rahul Sunder Rajan *Naperville, Ill.*

Major in Education (Student Affairs)

Anna Nesterova *Barnaul, Russian*

MASTER OF ENGINEERING

Major in Aerospace Engineering

Eric McAllister Harper *Omaha, Neb.*
Dadja Komi Kessie *Ames, Iowa*

Changri Xiong *Changsha, China*

Major in Chemical Engineering

Barrie Yung Ming Saw *Kuala Lumpur, Malaysia*

Major in Civil Engineering (Construction Engineering and Management)

Daniel James Donnelly *Peoria, Ariz.*

Major in Computer Engineering

Xiaoyu Cao	<i>Yangzhou, China</i>	Scott K. Starn	<i>Fairmont, W. Va.</i>
Jinyuan Jia	<i>Anhu, China</i>	Christopher J. Williams	<i>Cedar Rapids, Iowa</i>
Kamakshi Veenanadh Srimath Tirumala Gudimella	<i>Atlanta, Ga.</i>	Yuwei Xie	<i>Ji'nan, China</i>

Major in Electrical Engineering

Jake Gary Asmus	<i>Clearwater, Minn.</i>	Yueyi Jiao	<i>Ames, Iowa</i>
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Major in Engineering Management

Cody Kofstad	<i>Roseau, Minn.</i>	Samuel William McGuire	<i>Williamsburg, Iowa</i>
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Major in Industrial Engineering

Aditya Rao Madhavaram	<i>Hyderabad, India</i>
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Major in Mechanical Engineering

Ashley Derwood Hyatt	<i>Lexington, S.C.</i>	Qianjun Ye	<i>Shanghai, China</i>
Daniel John Rolfes	<i>Glendale, Wis.</i>		

Major in Systems Engineering

Sheeba Bromia Amalraj	<i>Waukeg, Iowa</i>	Ramya Varadaraju	<i>Bangalore, India</i>
Tyler Jandt	<i>Rochester, Minn.</i>		

Multiple Curricula and Majors

Alaa Taha Ahmad Al-Ghazo	<i>Amman, Jordan</i>
MAJORS: Electrical Engineering and Computer Engineering	

MASTER OF FAMILY AND CONSUMER SCIENCES

Major in Family and Consumer Sciences (Dietetics)

Natasha Jo Hansen	<i>Minneapolis, Minn.</i>	Allison Peters	<i>Mesa, Ariz.</i>
Amy Marie Lodes	<i>Ankeny, Iowa</i>		

Major in Family and Consumer Sciences (Family Financial Planning)

Kristine Ann Anderson	<i>Dillon, Colo.</i>	Glenn Antonio Harris	<i>Dallas Center, Iowa</i>
Stephanie Jane Greiner	<i>Ankeny, Iowa</i>		

MASTER OF FINANCE

Major in Finance

Fu-Yuan Chang
Mandar Uday Mahajan
Madison Raye Sogge

Taipei City, Taiwan
Nagpur, India
Marshalltown, Iowa

Yuanjing Tao
Jiacheng Tian

Tustin, Calif.
Ames, Iowa

MASTER OF FINE ARTS

Major in Creative Writing and Environment

†† Hagan Faye Whiteleather
THESIS: Tangled in the roots

Alliance, Ohio

Major in Graphic Design

Casey Roy Bridgham
THESIS: Virtue and strife: Encouraging positive trends in self-concept and societal empathy through competitive multiplayer game design

Nevada, Iowa

§ Yasmin Rodriguez
THESIS: Borderline: A response to immigration issues in the United States during the Trump Administration (2016-2018)

Delano, Calif.

MASTER OF HUMAN COMPUTER INTERACTION

Major in Human Computer Interaction

Charandeep K. Dhillon
Nathan Friend

Mountain View, Calif.
Sioux Center, Iowa

Elizabeth Jane Holloway
Daniel Hilsenrad Pierce

Las Vegas, Nev.
Decatur, Ga.

MASTER OF LANDSCAPE ARCHITECTURE

Major in Landscape Architecture

Mahsa Adib
Kavita Chapagain

Kerman, Iran
Ames, Iowa

Shuang Wu

Huangchuan, China

MASTER OF PROFESSIONAL PRACTICE IN DIETETICS

Major in Professional Practice in Dietetics

Kristy Lee Carr	Huxley, Iowa	Sylvia R. King	Flagstaff, Ariz.
Mary F. Cherne	Shoreview, Minn.	Kathleen Susan Kohlhaas	Kansas City, Mo.
Anna Comiotes-Pugsley	White Plains, N.Y.	Emily Ann Lancaster	Fort Collins, Colo.
Krystal Michelle Dishon	Danville, Ky.	Mandy Nix	Morganton, N.C.
Robin Lynne Duhon	Hammond, La.	Petra Radman	Grand Rapids, Mich.
Karlee Ann Golightly	Waukeg, Iowa	April Renee Ray	Olive Branch, Miss.
Lauren Elizabeth Humphreys	St. Charles, Ill.	Jillian Elizabeth Roberts	Warner Robins, Ga.
Laurie Leigh Jabalie	El Paso, Tex.	Kaitlyn Ann Scheuermann	Madrid, Iowa

MASTER OF SCIENCE

Major in Aerospace Engineering

John Robert Nagel	Jamestown, N. Dak.	Divya Teja Pinnamaneni	Mysore, India
THESIS: Nondestructive evaluation of layered ceramic materials using terahertz imaging		THESIS: Dynamic analysis of composite wind turbine blade	
Sara Oliveira Santos	Torres Novas, Portugal		
THESIS: Persistence in aerospace engineering: Why students choose and leave aerospace engineering			

Major in Agricultural and Biosystems Engineering

Bennett Elizabeth Barr	Little Rock, Ark.	Hannah Elizabeth Guyer	East Lansing, Mich.
THESIS: A study of soybean processing value maximization using selective handling strategies based on the analysis of soybeans received at Iowa elevators		THESIS: Impacts of manure application timing and tillage practices on antibiotic resistant bacteria and genes in drainage water from manured fields	
Anne Elizabeth Dohmen	Jefferson City, Mo.	Taylor Leonard Tuel	Shelby, Iowa
THESIS: Modeling grain storage outflow contamination levels, based upon input time series		THESIS: A robotic proximal sensing platform for in-field high-throughput crop phenotyping	
		Zhao Yang	Ames, Iowa
		THESIS: Maize and sorghum plant detection at early growth stages using proximity laser and time-of-flight sensors	

Major in Agricultural Education

Kaitlyn Sue Bean Bartling	Ackley, Iowa	Cassi Lavon Montandon	Grandview, Iowa
Rebecca Ann Lyons	Clinton, Iowa		

Major in Agricultural Education (Agricultural Extension Education)

Megan McCleary	Momouth, Ill.	Katherine F. Williams	Eldora, Iowa
Rachael Lee Whitehair	Ames, Iowa		
THESIS: Agricultural conservation adoption in the US Midwest: Needs assessment and evaluation of professional development for farm advisers			

Major in Agronomy

Anne Bernadette Carlson	Johnston, Iowa	Mikkal Glenn Hodge	Alexandria, Ind.
Abby Lee Ficker	Winsted, Minn.		

Major in Animal Science

Emily Hannele Branstad *Forest City, Iowa*
THESIS: Supplementing silicoglycidol clay for the reduction of aflatoxin M₁ in milk and biomarkers of liver dysfunction in dairy cows

Krysten Amanda Craft *Bellevue, Neb.*
THESIS: Lipid-soluble compounds in late-cutting alfalfa maximize host immune responses and beneficially modulate the colon microbiota of mice during *Citrobacter rodentium* infection

Karli Jessica Lane *Castalia, Ohio*
THESIS: Heat lamps and heat mats in the farrowing house: Effect on piglet production, piglet and sow behavior and energy usage

Meaghan Maureen Meyer *Manning, Iowa*
THESIS: A novel environmental enrichment laser device stimulated broiler chicken active behavior and improved performance without sacrificing welfare outcomes

Handagala Wickramasinghe *Ranala, Sri Lanka*
THESIS: Effects of drinking water on feed intake, growth performance, health status, nutrient digestibility and composition of gut microbiota in young dairy calves

Major in Apparel Merchandising and Design

Jennifer Siobhan Ingram *St. Louis, Mo.*
THESIS: Innovating the apparel industry in the United States: Designers and small brands purchasing sustainable textiles

Major in Astrophysics

Cory Daniel Schrandt *Kenosha, Wis.*
THESIS: Frequency analysis of DAV pulsators using TESS data

Major in Biochemistry

Supreet Kaur *Ames, Iowa*
THESIS: Structure and kinetic characterization of *plasmodium falciparum* apicoplast DNA polymerase (apPOL)

Luan Minh Nguyen *Oneonta, N.Y.*
THESIS: Conformational change upon phosphorylation at S713 site of Disrupted-in-schizophrenia-1 (DISC1) leads to a change in the oligomeric state

Andrew Louis Wiese *Davenport, Iowa*
THESIS: Dynamics of the SNARE-mediated synaptic vesicle fusion pore

Major in Biomedical Sciences

Lucien Iragi Bahinga *Wyoming, Mich.*

Hunter Eshleman White *Des Moines, Iowa*

Major in Chemical Engineering

Zahra Hosseinzadeh Nik *Champaign, Ill.*
THESIS: New family of unsaturated polyamides from novel long-chain biomass-derived diacids

Tung-Ping Wang *Taipei City, Taiwan*
THESIS: Preparation and characterization of block copolymer modified nanocomposite

Major in Civil Engineering (Civil Engineering Materials)

Adel Rezaei Tarahomi *Babol, Iran*
THESIS: Development of rigid airfield pavement foundation response and moduli prediction models

Wen Sun *Wenzhou, China*
THESIS: Air void clustering in retempering concrete and its contribution to compressive strength

Major in Civil Engineering (Geotechnical Engineering)

Derya Genc *Ankara, Turkey*
THESIS: Development, installation and preliminary data collection of an environmental sensor system for freeze–thaw monitoring under granular-surfaced roadways

Xinyi Jiang *Lanzhou, China*
THESIS: Development of novel ground improvement methods

Major in Civil Engineering (Structural Engineering)

Austin James DeJong *Edgerton, Minn.*
THESIS: Innovations in integral abutment connection details for accelerated bridge construction

Douglas Leburn Krapf *Waunakee, Wis.*
THESIS: Increasing service life at bridge ends of moveable abutment bridges

Rizwan Karim *Gilgit Baltistan, Pakistan*
THESIS: Innovations in material characterization and structural configuration of link slabs

Chao Ma *Ames, Iowa*
Yuxiang Tan *Guangzhou, China*
THESIS: Long term bond strength and chloride resistance of epoxy and concrete overlays

Major in Civil Engineering (Transportation Engineering)

Nima Safaei *Tehran, Iran*
THESIS: Pixel and region-based image processing algorithms for detection and classification of pavement cracks

Major in Computer Engineering

Ming Wu *Ames, Iowa*

Major in Computer Engineering (Secure and Reliable Computing)

Mengying Shu *Yangzhou, China*

Major in Computer Engineering (Software Systems)

Joel Aaron May *Vancouver, Wash.*

Major in Computer Engineering (Very Large Scale Integration)

Garrett Joseph Lies *Martensdale, Iowa*

Major in Computer Science

Xingji Chen *Wuhan, China*
Xinxin Hao *Taiyuan, China*
Guangyu Hou *Jishou, China*
THESIS: Finding the minimum illuminating direction set for a polyhedron

Subrahmanyam Vaddi *Bangalore, India*
THESIS: Efficient object detection model for real-time UAV applications

Vikas Jyoty *Navi Mumbai, India*
Sravya Kanuganti *Hyderabad, India*
Junteng Li *Beijing, China*
Zehua Li *Dandong, China*
THESIS: Cross-layer wireless networking emulation in EMANE

David Ambrose Wehr *Sigourney, Iowa*
THESIS: End-to-end learning of local point cloud feature descriptors

Liangyu Tan *Nantong, China*
Venkatesh Theru Mohan *Chennai, India*
THESIS: Automatic repair and type binding of undeclared variables using neural networks

Xinxin Yang *Ames, Iowa*
THESIS: Using a system dynamics simulation model to explore the effect of information delays on software development

Anurag Desai Yedla *Hyderabad, India*
THESIS: Predicting safety outcomes in mining industry - a machine learning approach

Shu Zhang *Yueyang, China*

Major in Condensed Matter Physics

Shang Ren *Zhongyang, China*

Major in Crop Production and Physiology

Ashlyn Marie Kessler *Walcott, Iowa*
THESIS: Planting date, cultivar maturity, and environment effects on soybean yield and crop stage

Major in Ecology and Evolutionary Biology

Jacob Scott Eeling *Ankeny, Iowa*
THESIS: Temporal and spatial dynamics of submersed macrophytes and water temperatures in shallow flow-through wetlands

Nicolette Marie Wackerly *North Canton, Ohio*
THESIS: Thermo-imaging bipedalism on the savanna: Chimpanzee locomotion at Fongoli, Senegal and implications for the evolution of hominin bipedalism

Major in Economics

Ashley Marie Taylor *Washington, Mo.*

Major in Electrical Engineering

Yue Zhang *Syracuse, N.Y.*

Major in Electrical Engineering (Communications and Signal Processing)

Vahid Daneshpajoo *Kakhk, Iran*

Major in Electrical Engineering (Electric Power and Energy Systems)

Luke D. Myers *Maple Grove, Minn.*
THESIS: Efficient state estimation via inference on a probabilistic graphical model

Major in Electrical Engineering (Systems and Controls)

Apurba Kumar Das *Kishoreganj, Bangladesh*
THESIS: Data-driven system modeling and optimal control for nonlinear dynamical systems

Major in Electrical Engineering (Very Large Scale Integration)

Tao Chen *Changshu, China*
THESIS: Design, analysis and comparison of buffers for online multipoint monitoring

Xinyu Gong *Chengdu, China*
THESIS: An offset auto-calibration technique with cost-effective implementation for comparator and operational amplifier

Saunak Saha *Kolkata, India*
THESIS: Towards energy-efficient hardware acceleration of memory-intensive event-driven kernels on a synchronous neuromorphic substrate

Chengrui Yang *Lanzhou, China*
Yeap Seng Jonathan Yeoh *Ames, Iowa*

Major in Environmental Science

Sally Anne Carullo *Swarthmore, Pa.*
THESIS: Investigating the impact of forested riparian areas on stream morphology in Iowa using aerial LiDAR

Zhanibek Meiirkhanuly *Karaganda, Kazakhstan*
THESIS: Evaluation of biochar for mitigation of ammonia, hydrogen sulfide, odorous volatile organic compounds, and greenhouse gases emissions from swine manure

Major in Forestry

Jacob Olbrich *Marengo, Ill.*
THESIS: Understanding fire behavior mechanics in a complex landscape: Simulating wildfires in northeastern Minnesota

Major in Genetics and Genomics

†† Ryan James Arndorfer *Humeston, Iowa*
THESIS: An analysis of the *ramosa1* pathway in *Zea mays* utilizing CRISPR/Cas9 knockouts

Major in Geology

Juan Carlos Romero Gelvez *Bogota, Colombia*
THESIS: A 50 kyr rainfall record derived from Colombian stalagmites: Insights on intertropical convergence zone dynamics and the role of ocean circulation.

Major in Human Computer Interaction

Jennifer April Clarke *Wilmington, Del.*
Gina Maria DeConti *Mount Prospect, Ill.*
Andrea Rose Hart *Rochester, N.Y.*

Kaitlyn Michelle Ouverson *Ames, Iowa*
THESIS: Intelligent team tutoring: An analysis of communication, cognition, cooperation, and coordination

Major in Industrial and Agricultural Technology

Trevor John Stevenson *Wheatland, Iowa*
THESIS: Performance evaluation, economic analysis and improvement recommendations for a batch drying chamber system at the ISU Agricultural Engineering and Agronomy Research Farm

Sara Michelle Underwood *Pocahontas, Iowa*
THESIS: Tool life comparison between servo and pneumatic ultrasonic welders for cutting polylactic acid film

Major in Industrial Engineering

†† Kevin Korniejczuk *Palos Hills, Ill.*
Sharon May Yen Lau *Kuantan, Malaysia*
THESIS: Effects of surface roughness on the reliability of magnetic particle inspection for the detection of subsurface indications in steel castings
Benjamin Thomas Lies *Hutchinson, Minn.*
THESIS: In-situ metrology for electrohydrodynamic inkjet printing towards micro/nano scale hybrid manufacturing

Farshad Niayeshpour *Des Moines, Iowa*
THESIS: Engineering valuation of blockchain technology in the context of petroleum supply chain: A real options approach
Ashley Kate Swift *Bondurant, Iowa*
THESIS: Optimizing the design of planting experiments for agricultural crops

Major in Information Assurance

Cole Robert Stephan *Ames, Iowa*

Major in Information Systems

Nikita Grover *Hyderabad, India*
Laxmi Vijigeesh Katragadda *Hyderabad, India*
Tanya Nayyar *Jaipur, India*

Lakshmi Sailaja Sripathi *Vijayawada, India*
Mina Taheri *Ames, Iowa*

Major in Journalism and Mass Communication

Selchia Densua Cain *Kansas City, Mo.*
THESIS: From retweets to revolution: Evaluating
planned behavior within hashtag activism and
#BlackLivesMatter'

Bradley Warren DePrez *Ankeny, Iowa*
Ana Cristina Ramirez *San Juan, Puerto Rico*
THESIS: Augmented reality effects on consumer
processing of advertisements: Testing the theory
of interactive media effects

Major in Kinesiology

Hyunsoo Kim *Goyang-si, South Korea*
THESIS: Associations of muscular strength and
cardiorespiratory fitness with bone mineral
density in older adults

Major in Mathematics

Thang Huy Tran *Glendale, Ariz.*

Major in Mechanical Engineering

Badrinath Balasubramaniam *Chennai, India*
THESIS: Automated approaches for the
construction of image based phase diagrams
Reetam Das *Visakhapatnam, India*
THESIS: Digital in-line holography of blood
atomization
Richard Anthony Effler *Clive, Iowa*
THESIS: An investigation of an ionic liquid analog
to the conventional metal-oxide-semiconductor
field-effect transistor

Jung Hyun Ha *Ames, Iowa*
THESIS: Optimizing bioprosthetic heart valves using
isogeometric analysis and surrogate modeling
Jocelyn LaChelle Jackson *Davenport, Iowa*
THESIS: Development of elastomeric coatings with
reduced wear for ice-free applications
Xuan Truong Tran *Hanoi, Vietnam*
THESIS: Applying computer vision for detection of
diseases in plants
Zhisheng Zhang *Shanghai, China*
THESIS: Deep learning for field-based automated
high-throughput plant phenotyping

Major in Microbiology

Christine M. Muehlenthaler *Ames, Iowa*
THESIS: A comparison of *Brachyspira hamptonii*
isolates and the evaluation of proteinase k
vaccine preparations in swine

Major in Molecular Cellular and Developmental Biology

Norin Yasin Chaudhry *Lahore, Pakistan*
THESIS: Characterization of Lamp1 in *Drosophila*
melanogaster

Major in Nuclear Physics

Deborah Lynn Israel *Orlando, Fla.* †† Balthazar Aaron Duane Peroutka *Davenport, Iowa*

Major in Plant Breeding

Janel Marie Bettis *Urbandale, Iowa*

Major in Psychology

Charles Josef Peasley *Ames, Iowa*
THESIS: What causes the dip in object recognition
rotation functions?

Major in Rural Sociology

Sonja Ann Lindberg *Wabasso, Minn.*
THESIS: Scientists' perspectives on the risks and benefits of gene editing technologies in agriculture: Assessing for reflexive scientization

Major in Soil Science (Soil Fertility)

Jacob Evans Studt *Springville, Iowa*
THESIS: Contrasting soil nitrogen dynamics under *Zea mays* and *Miscanthus x giganteus*: A story of complex interactions among site, establishment year, and nitrogen fertilization

Major in Statistics

Zhenzhen Chen	<i>Ames, Iowa</i>	Xiyuan Sun	<i>Ames, Iowa</i>
Jesse Wilson Darlington	<i>Marengo, Ill.</i>	Yuchen Wang	<i>Ames, Iowa</i>
Gulzina Kuttubekova	<i>Bishkek, Kyrgyzstan</i>	Yudi Zhang	<i>Jinan, China</i>
Reid Vincent Eli Paris	<i>Melrose, Iowa</i>	Xiaoqing Zhong	<i>Beijing, China</i>

Major in Sustainable Agriculture

Morgan Elizabeth Bradley *Ames, Iowa*
THESIS: What does food mean? A multi-scale investigation into Des Moines, Iowa

Major in Transportation

Rakibul Ahasan	<i>Noakhali, Bangladesh</i>	Xiao Liang	<i>Ames, Iowa</i>
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THESIS: Transit proximity and affordable housing investments: Application of Hedonic Model in Des Moines, Iowa

Major in Veterinary Microbiology

Samantha Ann Naberhaus *Schaller, Iowa*
THESIS: Investigation of pathogenicity, competitive fitness, and novel methods for rapid diagnosis of *Salmonella* 4,[5],12:i:- in swine

Major in Veterinary Preventive Medicine

Gaurav Rawal	<i>Ames, Iowa</i>	Daniel Torrents Gil	<i>Vic, Spain</i>
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THESIS: Epidemiologic characteristics of porcine astrovirus type 3

Zachary Charles Sauer *McGregor, Iowa*
THESIS: Implementation of iSTAT®1 clinical technology in egg laying chickens blood gas and chemistry analyzation

THESIS: Development and implementation of a monitoring system for PRRSV status classification and study of the PRRSV stability on production parameters in Spanish breeding herds

Major in Wildlife Ecology

Daniel Mark Adams *Dornsife, Pa.*
THESIS: Factors associated with antler size of white-tailed deer in Iowa

Multiple Curricula and Majors

Bhanu Allada *Visakhapatnam, India*
MAJORS: Information Assurance and Computer
Engineering
Chris Garrison *Spencer, Iowa*
MAJORS: Information Assurance and Computer
Engineering

Erika Adriana Rodbell *Schenectady, N.Y.*
THESIS: Impact of host plant health and host
plant resistance on *Aphis glycines* (Hemiptera:
Aphididae)
MAJORS: Sustainable Agriculture and Entomology

MASTER OF URBAN DESIGN

Major in Urban Design

Jaydevsinh Kiritsinh Atodaria *Surat, India*
Kwadwo Afari Gyan *Tema, Ghana*
Tanvi Sharad Halde *Mumbai, India*

Himali Rajeshkumar Limbad *Ahmedabad, India*
Raymond Whitfield Nurse *Bridgetown, Barbados*

DEGREE RECIPIENTS FROM THE COLLEGE OF AGRICULTURE AND LIFE SCIENCES

BACHELOR OF SCIENCE

Curriculum in Agricultural and Life Sciences Education

Jamie Lee Flynn	Nevada, Iowa	Cassidy Page Krichau	Pleasantville, Iowa
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Curriculum in Agricultural Biochemistry

* Noah Joseph Brennan	Grinnell, Iowa	Gregory Alan Eaton	Warrensburg, Ill.
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Curriculum in Agricultural Business

Andrew Alan Albrecht	Mapleton, Minn.	Taylor Lee Westhoff	Pulaski, Iowa
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Curriculum in Agricultural Studies

Michaela Jo Beckman	Mediapolis, Iowa	Justin J. Reiser	Arion, Iowa
Henry Thomas Corbin	Nevada, Iowa	Leah Lucille Smith	Ames, Iowa
*** Travis Darren Fehr	West Bend, Iowa	Nathan Robert Thul	Bode, Iowa
Lucas Allen Krueger	Sheldon, N. Dak.	Matthew C. Wray	Grinnell, Iowa
Christian Wayne Luhning	Dike, Iowa		

Curriculum in Agricultural Systems Technology

Bradley Eugene Belz	Davenport, Iowa	Nicolas P. Spratt	Parnell, Iowa
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Curriculum in Animal Ecology

Melanie Elizabeth Aust	McFarland, Wis.	*** Kaylee Jean Reynolds	Council Bluffs, Iowa
Maria Sue Cline	Sigourney, Iowa	Hunter Daniel Simmons	Linden, Iowa
Karra Andrea Elwick	Decatur, Ill.	Gillian Christine Suhre	Twin Lakes, Wis.
Cameron P. Lahn	Grinnell, Iowa	Sarah Lynn Tosh	Cedar Rapids, Iowa
Alliene Rebekah Maloy	Ames, Iowa	Bryce Edward Walljasper	West Point, Iowa
Alessandra M. Matarazzo	Lovettsville, Va.	Quyn Olivia Vaughn Westfall	Sugar Land, Tex.
Mercy Paz	Los Angeles, Calif.		

Curriculum in Animal Science

Eboni Deanne Adderley	Nassau, Bahamas	Kelsey Anne Morgan	Mapleton, Iowa
Kaci Kyle Aschenbrenner	Kinderhook, N.Y.	Lindsay Jean Richmond	Owosso, Mich.
Alexandria J. Guerrero	Springfield, Ill.	Hailey Marie Simpson	Peoria, Ill.
Jessica Lauren Mitchell	Wilmington, Del.	Holly Rose Wampler	Sac City, Iowa

Curriculum in Biology

Yasameen Abed Abbas	Waukee, Iowa	Timothy Logan Krodel	South Elgin, Ill.
Nulee Ann Kim	Grimes, Iowa	Yee Shuan Lai	Kuala Lumpur, Malaysia
Michaela C. King	Ankeny, Iowa	** Laura Sofia Valderrama	
Olivia Rose King	Ankeny, Iowa	Figueroa	Aguadilla, Puerto Rico

Curriculum in Dairy Science

Mark Theo Nyentap	Russell, Canada	* Zebulon D. C. Skow	Wesley, Iowa
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* Cum Laude
 ** Magna Cum Laude
 *** Summa Cum Laude
 † Honors Program

Curriculum in Environmental Science

* Amy Gia Han Huynh Ankeny, Iowa

Curriculum in Forestry

Dallas Micheal Bohr Castalia, Iowa

Curriculum in Genetics

**† Katrina N. Fauser Greendale, Wis.

Curriculum in Industrial Technology

Bradley Eugene Belz Davenport, Iowa
Vincent N. Breedlove Red Oak, Iowa
Alexander M. Foust Bernard, Iowa
Tyler J. Gamerdinger Waukee, Iowa

Kirshanthi Ganesa Moorthy Seremban, Malaysia
Avery Curtis Hutton Centerville, Iowa
Jonathon Randall Thomas Elmwood Park, Ill.
Alex Hepp Timmer Oak Grove, Minn.

Curriculum in Microbiology

Daniel James Docekal Des Moines, Iowa
Drew Daniel Greene Afton, Iowa

Maxwell Joseph Murphy Des Moines, Iowa
Joe Lee Swilley Rosemount, Minn.

Multiple Curricula and Majors

Gabrielle Marie Heidrich Palatine, Ill.
Animal Ecology and Environmental Studies

** Mica Katrina D. Magtoto Ames, Iowa
Nutritional Science and International Agriculture

** Christina Anne Meadows Bettendorf, Iowa
Environmental Science and Liberal Arts and
Sciences: Major in Geology

Abigail L. Ralston Cedar Rapids, Iowa
Animal Science and Liberal Arts and Sciences:
Major in World Languages and Cultures
(Spanish)

* Jacob Owen Raveling Marshalltown, Iowa
Industrial Technology and Agricultural Systems
Technology

* Aryaa Regmi Urbandale, Iowa
Global Resource Systems and Environmental
Studies

*** Taylor Christina Uthe Riceville, Iowa
Agricultural Business and Business: Major in
Accounting

Abigail Marie Von Handorf Guttenberg, Iowa
Agricultural and Life Sciences Education and
Global Resource Systems

Lauren Marie Yearous Holstein, Iowa
Animal Ecology and Biology

* Cum Laude
** Magna Cum Laude
*** Summa Cum Laude
† Honors Program

DEGREE RECIPIENTS FROM THE IVY COLLEGE OF BUSINESS

BACHELOR OF SCIENCE

Major in Accounting

Jaehyung Chung	Seoul, South Korea	** Philip Richard Kranovich	Bettendorf, Iowa
Danielle Megan Falstad	Maple Grove, Minn.	Ashley Marie Lucas	Richland, Iowa
Mark A. Goldhammer	Clive, Iowa	Katherine Anne Lukacik	Gilbert, Iowa
Luis Orlando Hernandez	Des Moines, Iowa	Justin Matthew Lyon	Des Moines, Iowa
Madison Emilee Hogle	Conrad, Iowa	* Xilai Ouyang	Chengdu, China
Nicholas John Howell	Urbandale, Iowa	Kyle David Strothcamp	Ankeny, Iowa
Meaghan Rachel Hynes	Palos Hills, Ill.	Zhongke Wu	Nantong, China

Major in Business Economics

Matthew Joachim Marcard Schaumburg, Ill.

Major in Entrepreneurship

* Issac Gordon Gibbons	Mason City, Iowa	Halie K. Thompson	Minneapolis, Minn.
** Chui Wei Su	Subang Jaya, Malaysia	** Nicholas J. Tremain	Zearing, Iowa

Major in Finance

Shan Shen	Jiaxin, China	** Philip Richard Kranovich	Bettendorf, Iowa
Landen Lee Akers	Cedar Rapids, Iowa	Ruirui Li	Xinjiang, China
Logan Bradley Cooper	Norwalk, Iowa	Yiwei Liu	China
Joshua Frederick Dufour	Aurora, Ill.	Kelsey Ann Maize	Fremont, Iowa
Nicolas Alexander Espinosa	West Des Moines, Iowa	Luis Gerardo Padilla-Rico	Mason City, Iowa
Trevor D. Ferry	Boone, Iowa	Leah Mckail Roberts	Bagley, Iowa
Ryan William Gabrielson	Overland Park, Kans.	Brett Larry Romig	Boone, Iowa
Albert M. Gracz	Addison, Ill.	Conghui Si	Zhengzhou, China
Madison Nicole Hanson	College Station, Tex.	* Samuel Markus Steenhoek	Norwalk, Iowa
Stephen Don Hays	Winterset, Iowa	Ruoyu Tang	Beijing, China
		Gen Zhang	Chongqing, China

Major in Management

Abbey Jolene Appelgate	Maxwell, Iowa	Isaiah Mark Kramme	Ankeny, Iowa
Samuel John Berthold	Eden Prairie, Minn.	Elizabeth Grace Mayer	Essex, Iowa
Michael Jeffery Chieves	Universal City, Tex.	Qadirah Zenobia Muhammad	Rock Island, Ill.
Eli Robert Cleveland	Carroll, Iowa	Madison Hailey Potts	St. Charles, Ill.
Kallie Jane Davis	Marshalltown, Iowa	Bernard Michael Sayre	Ames, Iowa
Kara Nicole Duffy	Ankeny, Iowa	Andre Soares Silva	Ames, Iowa
* Katie Lee Dukes	Lenox, Iowa	Allan Ashley Todd	Ankeny, Iowa
Andrew Jerald Gray	West Des Moines, Iowa	Timothy M. White	Plantsville, Conn.
Ashlee Kay Kain	Otley, Iowa	Rachel Lynn Wirtz	Dickens, Iowa
Garrett William Knepper	Williamsburg, Iowa		

* Cum Laude
 ** Magna Cum Laude
 *** Summa Cum Laude
 † Honors Program

Major in Management Information Systems

Darrian Marquel Aguilar	Marshalltown, Iowa	Sharon Hien Pham	Urbandale, Iowa
Adnan Alagic Kantarevic	Des Moines, Iowa	Christian P. Reddin	West Des Moines, Iowa
Mariah Anderson	Davenport, Iowa	Joseph Walter Rochford	Central City, Iowa
Gavin Orion Davis	Ankeny, Iowa	Rick Townsend Sesker	Cambridge, Iowa
Christian Gregory Glitto	Rosemount, Minn.	Tyler James Sward	Council Bluffs, Iowa
Danny Quang Nguyen	Perry, Iowa		

Major in Marketing

Joseph Stephen Berg	Palatine, Ill.	Zachary Jacob Pruehs	Sioux City, Iowa
Brendan James Cahill	Des Moines, Iowa	Brittany Grace Sarouhan	Highlands Ranch, Colo.
Matthew Frank Colasuono	Streamwood, Ill.	Emina Sivic	Urbandale, Iowa
Grace M. Kissell	Minneapolis, Minn.	Kurt Franz Sowa	River Falls, Wis.
Mikayla Ann Malone	Adel, Iowa	Tyler James Sward	Council Bluffs, Iowa
Christian Michael McWilliams	Sioux City, Iowa	Michael Joseph Vedrine	Bartlett, Ill.
Max Joel Mollenhauer	St. Charles, Ill.	Samantha J. Vogel	Williamsburg, Iowa
Keely Elizabeth Penn	Austin, Tex.	Mark Francis Wells	Bettendorf, Iowa
Caleb William Ploeger	Garner, Iowa		

Major in Supply Chain Management

Bradley William Cherrier	Johnston, Iowa	Shannon Marie Schmal	Ames, Iowa
Antoine Lamont Gaffney Jr.	Wheaton, Ill.	Katherine E. Short	Webster City, Iowa
Austin Patrick Holst	De Witt, Iowa	Zachary Taylor Swanson	Norwalk, Iowa
Lucas Robert Kesterson	Harlan, Iowa	Kierstin Carleen Vaske	Norwalk, Iowa
Luke Andrew Neumayer	Johnston, Iowa	Shihao Zhu	Nanjing, China

Multiple Curricula and Majors

Nicholas James Bassett	Edina, Minn.	Jordan Mackenzie Stanley	Honey Creek, Iowa
Finance and Accounting		Management and Marketing	
*** Kelly Ann Hudson	Maple Grove, Minn.	Spencer T. Suckow	Elgin, Minn.
Accounting and Finance		Management Information Systems and Liberal Arts and Sciences: Major in Journalism and Mass Communication	
** Anthony Michael Nucaro	Urbandale, Iowa	** Thomas Zajac	Park Ridge, Ill.
Accounting and Finance		Accounting and Finance	
Mckinly James Springer	Conrad, Iowa		
Management Information Systems and Liberal Arts and Sciences: Major in World Languages and Cultures (German)			

* Cum Laude

** Magna Cum Laude

*** Summa Cum Laude

† Honors Program

DEGREE RECIPIENTS FROM THE COLLEGE OF DESIGN

BACHELOR OF ARCHITECTURE

Curriculum in Architecture

Sicong Liu Lanzhou, China

BACHELOR OF ARTS

Curriculum in Art and Design

Taylor Nicole Thomas Prole, Iowa

Curriculum in Interdisciplinary Design

James Michael Patterson Paullina, Iowa

BACHELOR OF FINE ARTS

Curriculum in Graphic Design

** Yijane Chew	Kuala Lumpur, Malaysia	* Julie Ly	Sioux City, Iowa
* Annie M. Frisbie	River Falls, Wis.	* Elizabeth K. Pieper	West Des Moines, Iowa
Dakota John Kessler	Ames, Iowa	Sarah Jean Walsh	Epworth, Iowa
Devon Leigh Logsdon	Des Moines, Iowa		

Curriculum in Integrated Studio Arts

* Veronica Jean Fisher	Ames, Iowa	** Leah Ranae Landrum	Ankeny, Iowa
Ashley Marie Green	Adel, Iowa		

Curriculum in Interior Design

Riley C. Benjamin-Koursh St. Louis Park, Minn.

BACHELOR OF INDUSTRIAL DESIGN

Curriculum in Industrial Design

Blake Douglas Conant	Johnston, Iowa	Jordan Kimball Lewis	Marion, Iowa
Jordan Jealin Ewart	Sioux City, Iowa	* Cheng Meng	Baoding, China

BACHELOR OF SCIENCE

Curriculum in Community and Regional Planning

Cameron Rasmussen	Ames, Iowa	Ben Schwarz	St. Charles, Ill.
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* Cum Laude
** Magna Cum Laude
*** Summa Cum Laude
† Honors Program

DEGREE RECIPIENTS FROM THE COLLEGE OF ENGINEERING

BACHELOR OF SCIENCE

Curriculum in Aerospace Engineering

Rodger S. Gruchot	Lindenhurst, Ill.	Logan Joseph Johnson	Avon, Minn.
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Curriculum in Agricultural Engineering

* Jonathan Roettger	Dysart, Iowa	Alexis Renee Slade	Ames, Iowa
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Curriculum in Biological Systems Engineering

Fouad Sami Habib	Irvine, Calif.	Jack Alan Schwickerath	Charles City, Iowa
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Curriculum in Chemical Engineering

** Rachel Leixian Khor Siew Yi Lam	Subang Jaya, Kedah, Malaysia	Jason Yap	Johor Bahru, Malaysia
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Curriculum in Civil Engineering

Douglas R. Doboszanski Andrew James Olsen	Loretto, Minn. Lake Mills, Iowa	Taylor Andrew Throne Tian Zhang	Scarville, Iowa Lanzhou, China
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Curriculum in Computer Engineering

Bansho Fukuo Louis Arthur Hamilton Thomas Waters	Osaka, Japan Bronx, N.Y. La Grange, Ill.	Connor Garrett Wehr Corey Freeman Wright	Sigourney, Iowa New London, Iowa
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Curriculum in Construction Engineering

Jeffery Todd Buchanan Kyle Joseph Dolan	Algona, Iowa Park Ridge, Ill.	Michael C. Glover	Hoffman Estates, Ill.
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Curriculum in Electrical Engineering

Mir Aamid Ahabab Brendon Joseph McGehee Wilson George Pietruszewski	Peoria, Ill. Sycamore, Ill. Roseville, Minn.	Qinming Zhang Chufu Zhou	Shenzhen, China Taiyuan, China
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Curriculum in Industrial Engineering

Zubaida Nabeel Al Aswad Roaa Karar Rachel Ann Kocalkowski	Jordan Coralville, Iowa Grayslake, Ill.	Saamant Kommera Tyler Jerome McNellis Ross J. Schluetter	Naperville, Ill. Plymouth, Minn. New Hampton, Iowa
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Curriculum in Materials Engineering

Grant Charles Hopkins	Savage, Minn.
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* Cum Laude
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*** Summa Cum Laude
† Honors Program

Curriculum in Mechanical Engineering

Nicholas Mark Adam	Lakemoor, Ill.	Braeden M. Kurriger	Muscatine, Iowa
** Ethan Michael Ahern	Solon, Iowa	* Bao Yee Leong	Kuala Lumpur, Malaysia
Carl C. Aldag	Palatine, Ill.	* Caleb Aaron Lumley	Ames, Iowa
Declan James Armour	Minnetonka, Minn.	Tyler James Lundquist	Moline, Ill.
Patrick J. Behlman	Burlington, Iowa	Paige Elizabeth Naasko	Maple Grove, Minn.
Bradley John Benson	Mahtomedi, Minn.	Connor Ross Nolting	Carroll, Iowa
Ryan Gene Clancy	Clear Lake, Iowa	Tomas Augustas Peleckas	Palatine, Ill.
Erik James Dahlman	Apple Valley, Minn.	Lucas Jeffery Rozendaal	Sully, Iowa
Emmanuel Alfonso Diaz	Guaynabo, Puerto Rico	*** Pedro Hawk Sepeda Machado	
David Tosin Eluobaju	Chicago, Ill.		Rio de Janeiro, Brazil
Nicholas Spencer Fraley	Edina, Minn.	* Jacob Richard Shultz	Sergeant Bluff, Iowa
Anuja Ravin Gamage	Colombo, Sri Lanka	Alisha Marie Staudt	Rockford, Iowa
Jameson Allen Gavac	Freeland, Wash.	Tyler Vahe Talatian	Spring Grove, Ill.
Benjamin Jacob Gosse	Jesup, Iowa	Ashley Breanna Trevino	San Antonio, Tex.
Tristan S. Haberman	North Branch, Minn.	Devon Clay Weaver	Naperville, Ill.
Cody Harkins	San Mateo, Calif.	Kyle Richard Weiss	Gurnee, Ill.
Evan Zachary Havick	Chariton, Iowa	Sean Wells	Somerset, Wis.
Collin Thomas Hertzner	Forest City, Iowa	Brian Wiggins	Huntley, Ill.
Jack Andrew Holmes	Crystal Lake, Ill.	Zhixuan Xia	Beijing, China
Quinton M. Houg	Elgin, Iowa	Mohan Yu	Zhengzhou, China
Caitlin A. King	Washington, D.C.	Shuai Feng Zou	SuZhou, China
Mitchell David Korn	Crystal Lake, Ill.		

Curriculum in Software Engineering

David Ely Boschwitz	Minnetonka Beach, Minn.	Cyle Joseph Dawson	Guthrie Center, Iowa
* Adam Russell Crosser	Ames, Iowa	Lucas Christopher Tang	West Des Moines, Iowa

Multiple Curricula and Majors

Taizhong Huang	Beijing, China	Juan Mendoza	Marshalltown, Iowa
Software Engineering and Liberal Arts and Sciences: Major in Mathematics		Chemical Engineering and Environmental Studies	

* Cum Laude
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*** Summa Cum Laude
† Honors Program

DEGREE RECIPIENTS FROM THE COLLEGE OF HUMAN SCIENCES

BACHELOR OF SCIENCE

Curriculum in Apparel, Merchandising, and Design

Madison Kimberly Adams	Waukee, Iowa	* J'Dah Amori Mason	Florissant, Mo.
Cassandra M. Becker	West Des Moines, Iowa	Jenna Li Matson	Harlan, Iowa
Taylor Maddison Bellings	Asbury, Iowa	* Brittany L. Newell	Cedar Rapids, Iowa
Genesis B. Galdamez	Des Moines, Iowa	Hannah Marie Scheelhaase	Sioux City, Iowa
Camille Renee Kolquist	Geneva, Ill.	Kiley Jeanne Smith	Burlington, Iowa

Curriculum in Athletic Training

Emelia Jeanene Johnson	Jefferson, Iowa
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Curriculum in Child, Adult, and Family Services

Christine Marie Ausman	Nevada, Iowa	Grace Anna Nelson	Geneva, Ill.
Lauren Elizabeth Berglund	Storm Lake, Iowa	Rachel Lynn Newbury	Indianola, Iowa
Taylor Anne Berns	Atlantic, Iowa	Kylie Katherine Oldridge	Cedar Rapids, Iowa
** Amber Marie Bootman	Lamoni, Iowa	* Katie Lynn Olesen	Graettinger, Iowa
Taylor Sue Boruff	Illinois City, Ill.	Alexis Marie Paulson	Ankeny, Iowa
Kaitlyn C. Danielson	Carlisle, Iowa	Rebecca Anne Randall	Sioux City, Iowa
Emily Renee Drury	De Witt, Iowa	Katie Cassandra Roth	Long Grove, Ill.
Olivia Nicholle Forrest	Davenport, Iowa	Ethan Coady Schwendemann	Fort Dodge, Iowa
Stephanie Green	Des Moines, Iowa	* Gillian Nicole Staten	Des Moines, Iowa
Zimmie Donna Greene	Bronx, N.Y.	Dianna Margaret Sunnes	Riceville, Iowa
Britney Grace Hase	Alta, Iowa	* Hannah Kristine Thomas	Runnells, Iowa
Emily Elizabeth Krapfl	Earlville, Iowa	Keyearra Nasha Tucker	Homewood, Ill.
Denna Marie Kuffel	Northbrook, Ill.	** Kaitlyn Renee Varner	Northwood, Iowa
Magdalene Maxine McGee	Ames, Iowa	Emma Anne Venteicher	Cedar Rapids, Iowa
Sarah Marie Morton	Indianola, Iowa		

Curriculum in Culinary Food Science

Tom J. Pliml	Naperville, Ill.
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Curriculum in Dietetics

Madeline Marie Wankum	Merrill, Iowa
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Curriculum in Event Management

Elise Lejune Axtell	Newton, Iowa	* Amy Gia Han Huynh	Ankeny, Iowa
Kimberly Joy Bassett	Grimes, Iowa	** Larry Von Kaster	Des Moines, Iowa
Ellice Grace Chelgren	Plymouth, Minn.	Sydney R. Kaufman	Winterset, Iowa
Justina Boquet Crawford	Davenport, Iowa	Nicholas Andrew Kilburg	Goose Lake, Iowa
Mary Catherine Crowley	Des Moines, Iowa	** Audrie Marie Leib	Panora, Iowa
Abigail Joann Dugger	Pella, Iowa	Brooklynn Nicole Mackey	Nevada, Iowa
* Katie Lee Dukes	Lenox, Iowa	Jordan Shaye Maroney	Mahtomedi, Minn.
Olivia Rose Fox	Des Moines, Iowa	Amanda Lydia Wabbe	Montrose, Minn.
Alexis Marie Houseman	Nevada, Iowa	* Chenxi Zhang	Xinjiang, China

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 *** Summa Cum Laude
 † Honors Program

Curriculum in Financial Counseling and Planning

** Shauna Holt Cedar Rapids, Iowa * Dylan Duane Johnson Gowrie, Iowa

Curriculum in Hospitality Management

Caroline Berg Cedar Rapids, Iowa Nicholas Andrew Koehler Charles City, Iowa
* Anaelle Marie Corbett Cedar Rapids, Iowa Edward Herbert Kuehn Northbrook, Ill.
Renata Grinberg Mendota Heights, Minn. * Chenxi Zhang Xinjiang, China
* Tra T. Hoang Hanoi, Vietnam

Curriculum in Kinesiology and Health

Austin Thomas Aiello Wheaton, Ill. Alexa Claire Murphy Council Bluffs, Iowa
Angel Barrera Chicago, Ill. Alexander C. Nielsen Creston, Iowa
Isaac Lee Beitz Bondurant, Iowa Erik Ortega Marquez Des Moines, Iowa
* Angela E. Birch St. Paul, Minn. * Ashly Dawn Parmer Humeston, Iowa
Cassandra Sue Brower Nevada, Iowa Jason Alexander Pastene Winfield, Ill.
Jacob Robert Cahail Waukeee, Iowa Cassie M. Payne Clive, Iowa
Tia Ciera Carter Matteson, Ill. Paige Lynn Pelletier Hugo, Minn.
Kourtney Alice Condon Barnum, Iowa Molly Anne Pieper Beaman, Iowa
Mary Rose Eganhouse Warrenville, Ill. Brandon C. Prevor Adel, Iowa
Spencer Keith Egolf Dillsburg, Pa. Issaiah Enrique Reyes Sioux City, Iowa
Dayton William Einck Guttenberg, Iowa Chase Matthew Ringler Altoona, Iowa
Dylan Daniel Eller Cedar Rapids, Iowa Wyatt James Scheu Prior Lake, Minn.
Jordan Ann Enga Ankeny, Iowa Hannah Grace Schiltz Cumming, Iowa
Lauren Mae Fangman Cedar Rapids, Iowa * Kelsey Sue Schwartz Reinbeck, Iowa
Jacob Louis Feldpausch De Witt, Iowa Ross Gregory Shelford Knoxville, Iowa
* Nicholas Anthony Foresta Plainfield, Ill. * Riley Elizabeth Smith Burlington, Iowa
Ryan Jacob Hansen Council Bluffs, Iowa Hailey Marie Smock Hudson, Wis.
* Cassidy Flora Hays Waukeee, Iowa Marcel Dominique Spears Olathe, Kans.
* Merrissa Joan Hess Chula Vista, Calif. Sarah Elizabeth Stark Breda, Iowa
Anthony Reid Hillyer Bettendorf, Iowa Kloe Kathleen Thilges Laurens, Iowa
Haleigh Noelle Hughes Charlotte, Iowa ** Ryan Maxwell True Farnhamville, Iowa
Elizabeth Jane Jennett Ames, Iowa Brielle Lynnae Ulrich Fort Dodge, Iowa
** Katelyn Rose Junker Greene, Iowa Nathan Walter Unger Galesburg, Ill.
Austin Newell Keller Deep River, Iowa Taylor N. Wagner Overland Park, Kans.
*** Ryan Kelley Kinsella Chanhassen, Minn. Waylan T. Washington Palatine, Ill.
Afton Leigh Miller Boone, Iowa Lauren Elizabeth Weber Ames, Iowa

Curriculum in Nutritional Science

Cassidy Renee Boe Cedar Falls, Iowa Allyse Nicole Shoeman Johnston, Iowa
Alexis M. Hageman Akron, Iowa Amanda Marie Teig Jewell, Iowa
Jonathan Orin Hanson Nevada, Iowa Nathan Walter Unger Galesburg, Ill.

Multiple Curricula and Majors

Emma Justine Bixenman Le Mars, Iowa * Sydney Marie Richardson Blaine, Minn.
Apparel, Merchandising, and Design and
Business: Major in Marketing Hospitality Management and Event Management
* Trisha Ann Langenfeld Carroll, Iowa Alexis Marie Romitti Madrid, Iowa
Child, Adult, and Family Services and
International Studies Apparel, Merchandising, and Design and Liberal
Arts and Sciences: Major in Public Relations

* Cum Laude
** Magna Cum Laude
*** Summa Cum Laude
† Honors Program

DEGREE RECIPIENTS FROM THE COLLEGE OF LIBERAL ARTS AND SCIENCES

BACHELOR OF ARTS

Major in Advertising

* Hannah Nicole Burke	<i>West Des Moines, Iowa</i>	Sojung Lee	<i>Busan, South Korea</i>
Court Lynn Dunsmore	<i>Chesapeake, Va.</i>	Tae Young Moon	<i>Seoul, South Korea</i>
Jack Mayhew Garcia	<i>Apple Valley, Minn.</i>	Riley Martin Prescott	<i>Fort Dodge, Iowa</i>
Juliana Elizabeth Ghani	<i>Minneapolis, Minn.</i>	Anna Marie Rhodes	<i>Urbandale, Iowa</i>
Riley Jacob Holtrop	<i>Otley, Iowa</i>	Michael Gabriel Rowley	<i>Iowa City, Iowa</i>
Benjamin Kelly	<i>Richland, Wash.</i>		

Major in Anthropology

Kylie Jean Le Page	<i>Johnston, Iowa</i>	Kathryn Jeane McCarville	<i>Ames, Iowa</i>
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Major in Biological/Pre-Medical Illustration

Louis Fredrick Floersch	<i>Omaha, Neb.</i>	Katrina Rose Ruff	<i>Monona, Iowa</i>
Jamie A. M. Malone	<i>Des Moines, Iowa</i>		

Major in Chemistry

Ihssan Ait Boucherbil	<i>Plainfield, Ill.</i>	Michael C. Del Viscio	<i>Eden Prairie, Minn.</i>
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Major in Communication Studies

Samantha Marie Bradway	<i>Bloomington, Minn.</i>	Isabelle Anne Larson	<i>Downers Grove, Ill.</i>
Micheal Jayvon Hardat	<i>Des Moines, Iowa</i>	Riley C. Stephens	<i>Amboy, Ill.</i>

Major in Criminal Justice Studies

Sheldon Robert Crony Jr.	<i>Bakersfield, Calif.</i>	Adrieonna Leigh Hennings	<i>Elberon, Iowa</i>
Ashley Daniels	<i>Oskaloosa, Iowa</i>	Chase Christopher Hershey	<i>Oelwein, Iowa</i>
Cullen C. Donohoe	<i>Winterset, Iowa</i>	Festus Lagat	<i>Iten, Kenya</i>
* Daylee Kimbark Dumas	<i>Elmhurst, Ill.</i>	Maria Celeste Lopez	<i>Osceola, Iowa</i>
Mariah Alexandria Fordyce	<i>Waterloo, Iowa</i>	Shane Geoffery Polzin	<i>Donahue, Iowa</i>
Stephen Don Hays	<i>Winterset, Iowa</i>	Michael Thomas Young	<i>Ames, Iowa</i>

Major in English

Cassandra E. Anderson	<i>Creston, Iowa</i>	Amanda Jo Saxen	<i>Lawton, Iowa</i>
* Becca Renee Duncan	<i>Pilot Mound, Iowa</i>	* Annalise E. Shearer	<i>Ankeny, Iowa</i>
Jordan Lucas Kauffman	<i>Ankeny, Iowa</i>	Hope Bonita Sievers	<i>Story City, Iowa</i>
Julie Viet Le	<i>Des Moines, Iowa</i>	Mackenzie R. Smith	<i>Martelle, Iowa</i>
Lauren D. Roemer	<i>Davenport, Iowa</i>		

Major in Interdisciplinary Studies (Classical Studies)

Brandon Michael Van Pelt	<i>Ames, Iowa</i>
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Major in Interdisciplinary Studies (Criminology and Criminal Justice)

Tyler Joseph Hill	<i>Iowa City, Iowa</i>
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* Cum Laude
 ** Magna Cum Laude
 *** Summa Cum Laude
 † Honors Program

Major in Performing Arts

Robert Delgado	Yorkville, Ill.	Caitlyn Lori Skiff	Camanche, Iowa
** Amanda A. Gray	Milton, Iowa	Erica R. Walling	Walker, Iowa

Major in Political Science

Jianwa M. Bennett	Ottumwa, Iowa	Peter Crayton Fish	Lowden, Iowa
Robert Austin Bingham	Ames, Iowa	Hana Elizabeth Goins	Ankeny, Iowa
Anthony Michael Chavez	Sun Prairie, Wis.	Kris Daniel Tarbox	Otho, Iowa
Zachary James Collins	Grimes, Iowa	Kathryn Grace Walker	Colorado Springs, Colo.
Robert Eugene Comstock III	Bradley, Calif.	Zachary Jean Walther	South Side, Idaho
Ryan Nicholas Doubleday	Ankeny, Iowa	Annabelle Marie White	Sioux City, Iowa

Major in Psychology

Kimberly Rose Bartlett	Dyersville, Iowa	** Ian Thomas Moore	Ankeny, Iowa
Emily Lynn Bishop	Grimes, Iowa	Hayleigh C. Olson	Omaha, Neb.
Justin Dean Cox	Clovis, Calif.		

Major in Sociology

Isabel Marie Cain Clark	Norwalk, Iowa	** Meghan Marie Rumel	Wheaton, Ill.
Kevin Michael McMurray	West Des Moines, Iowa	Derrick Devon Walker	Houston, Tex.
* Allison Patricia Rapp	Des Moines, Iowa		

Major in Speech Communication

Jessica Nicole Drendel	Genoa, Ill.
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Major in World Languages and Cultures (French)

Edita Habibic	Ankeny, Iowa
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Multiple Curricula and Majors

* Kyle Patrick Brendes	Marion, Iowa	Mahammed A. Nasser	Oak Brook, Ill.
Political Science and History		Political Science and Interdisciplinary Studies (Criminology and Criminal Justice)	
Mallory K. Gunther	West Des Moines, Iowa	Skyler Thane St. John	Cedar Rapids, Iowa
English and Women's Studies		Criminal Justice Studies and Environmental Studies	
Nayely Hurtado	Osceola, Iowa	Carmina Giselle Lopez	Rock Falls, Ill.
Political Science and World Languages and Cultures (Spanish)		World Languages and Cultures (Spanish) and Hospitality Management	

BACHELOR OF LIBERAL STUDIES

Major in Liberal Studies

Isabella Davies Allison	Urbandale, Iowa	Richard W. Monroe	Johnston, Iowa
Sarah Jensen Bivens	Minneapolis, Minn.	Sara Mary Scherf	Dubuque, Iowa
Alyssa Rae Jurado	Ames, Iowa	Carlos R. Schultz	Libertyville, Ill.
Darius Orion Lee-Campbell	Spring, Tex.	Joelle Denise Swenson	Hubbard, Iowa
Erika Jordan Lovett	Garden Grove, Iowa	Andrew Jacob Szewczyk	Streator, Ill.
Danielle Michaela Macke	Lake City, Iowa	** Hayley Erin Wesbrook	Cedar Rapids, Iowa
Holly L. Manley Wirtz	Cedar Rapids, Iowa	Noah Gibson Wheeler	Huxley, Iowa
Molly Kirsten McHugh	Naperville, Ill.	Jomal Wiltz	Humble, Tex.

* Cum Laude

** Magna Cum Laude

*** Summa Cum Laude

† Honors Program

BACHELOR OF MUSIC

Major in Music

Tyler Cody Bainter *Des Moines, Iowa*

BACHELOR OF SCIENCE

Major in Anthropology

Brianna Lisa Marxen *Rock Island, Ill.*

Major in Biology

Mirella de Leon	<i>Arlington, Tex.</i>	*** Kenny T. Nguyen	<i>Ankeny, Iowa</i>
Carly Marie Hendrickson	<i>Chaska, Minn.</i>	Jack Harrison Pincus	<i>Champlin, Minn.</i>
* Merrissa Joan Hess	<i>Chula Vista, Calif.</i>	Joshua Ross Sandholm	<i>Des Moines, Iowa</i>
Montanna Nicole Johnston	<i>New Richmond, Wis.</i>	Mallory Elisibeth Schatz	<i>Cedar Rapids, Iowa</i>
* Clare Crescentia Klein	<i>Harlan, Iowa</i>	Sommer Daniela Short	<i>Grimes, Iowa</i>
** Keegan Patrick Lilly	<i>Cedar Rapids, Iowa</i>	Alicia Librada Sweeney	<i>Allentown, Pa.</i>
Mason Trevor McGuire	<i>Davenport, Iowa</i>	Nicholas M. Uglen	<i>Moorhead, Minn.</i>
Keith Joseph Messner	<i>Bellevue, Iowa</i>	Williametta Yatta Williams	<i>Des Moines, Iowa</i>

Major in Earth Science

Patrick Thomas Lyons *Woodbury, Minn.*

Major in Economics

Michael Steven Abramson	<i>Cedar Rapids, Iowa</i>	Linzhou Zhu	<i>Suzhou Jiangsu, China</i>
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Major in Geology

Nathan Zigmund Harris	<i>Altoona, Iowa</i>	Louise Wilma Jean Jennings	<i>Waco, Tex.</i>
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Major in History

Logan Marie Davis	<i>West Des Moines, Iowa</i>	Cayle Rhoades Suntken	<i>Ames, Iowa</i>
Lucas James Ruby	<i>State Center, Iowa</i>		

Major in Journalism and Mass Communication

Christopher Steven Bauer	<i>Des Moines, Iowa</i>	Lucas Allan Lovig	<i>Laurel, Iowa</i>
Reagan Marie Clay	<i>Des Moines, Iowa</i>	Nicholas Gary Matt	<i>South Bend, Ind.</i>
* Alexandra M. Connor	<i>Bettendorf, Iowa</i>	Jake A. Miller	<i>Mason City, Iowa</i>
Kaylie Ann Crowe	<i>Asbury, Iowa</i>	Joshua Lincoln Piersma	<i>Pella, Iowa</i>
Adolfo Espitia Jr.	<i>Clinton, Iowa</i>	Holland S. Schlesselman	<i>Conroy, Iowa</i>
Jonathon Evanhyk	<i>Davenport, Iowa</i>	Adam James Soddors	<i>State Center, Iowa</i>
Mikaila Jo Gondreau	<i>Spirit Lake, Iowa</i>	Jiayi Zheng	<i>Beijing, China</i>
* Gillian Margaret Holte	<i>Eden Prairie, Minn.</i>		

Major in Mathematics

Haoran Gao *Shijiazhuang, China*

* *Cum Laude*
** *Magna Cum Laude*
*** *Summa Cum Laude*
† *Honors Program*

Major in Psychology

Lauren Nicole Bingham	Peoria, Ill.	Bailey Sue Howell	Winterset, Iowa
Bailey Jo Campin	Crescent, Iowa	Abigail Wen Gu Loftin	Lancaster, Pa.
Montgomery Zhane Cason	Des Moines, Iowa	Benjamin Joseph Parker	Atlantic, Iowa
Samantha Jo Clark	Boone, Iowa	Lavanyaa Shralan	Klang, Malaysia
Kaitlyn C. Danielson	Carlisle, Iowa	Emma Jane Sorensen	Ankeny, Iowa
Tasha Lavon Frazier	St. Louis, Mo.	Matthew Lee Van Alstine	Des Moines, Iowa
Gabriela Maria Gonzalez	Des Moines, Iowa	Zachary Ryan Weaver	McHenry, Ill.
Lindsay Taylor Gordon	Downers Grove, Ill.	* Chenxi Zhang	Urumqi, China
Dominick Z. Gunderson	Conrad, Iowa	Erin Jean Zuberbier	Belvidere, Ill.
Payton R. Hansen	Stilwell, Kans.		

Major in Public Relations

Makenna Anne Chapman	Des Moines, Iowa	Christabel Okeke	Carrollton, Tex.
Amanda Friedland	Inver Grove Heights, Minn.	* Angela C. Rivas	Ackworth, Iowa
Shane Henry	Mound, Minn.	* Kaylee Nichole Shelton	West Des Moines, Iowa
Olivia Catherine Meline	West Des Moines, Iowa	Clay M. Stravers	Pella, Iowa
Abdul Jameel Mohammed	Minneapolis, Minn.		

Major in Statistics

Laurel Joan Baar	Cottage Grove, Minn.
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Major in Technical Communication

Dean M. LeClaire	Des Moines, Iowa
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Multiple Curricula and Majors

Elizabeth Fitzgerald Gray	Mendota Heights, Minn.	* Alexandra Urbanski	Hoffman Estates, Ill.
Journalism and Mass Communication and Political Science		Biology and World Languages and Cultures (Spanish)	
Alexandra Lee Limon	Muscatine, Iowa	** Dirk Charles Winkelman	Virginia, Ill.
Psychology and Advertising		Biochemistry and Genetics	
Michael Joseph Murrell	Marion, Iowa		
Journalism and Mass Communication and Political Science			

* Cum Laude

** Magna Cum Laude

*** Summa Cum Laude

† Honors Program



Past Honorary Degree Recipients

PAST HONORARY DEGREE RECIPIENTS

The first honorary degree was conferred in 1877. Following is a list of those receiving honorary degrees, starting with the year they received the degree, followed by their name and the honorary degree they received. In some cases a notation is included about the individual if that information is available.

1877: Isaac R. Roberts, Master of Agriculture. Farm Superintendent at Iowa State University.

1879: J. L. Budd, Master of Horticulture. Established ISU's Department of Horticulture at Iowa State.

1879: James L. Geddes, Master of Philosophy. Distinguished career in the British and Union Armies; first professor of military tactics at Iowa State.

1887: A. A. Bennett, Master of Science.

1887: Luther Foster, Master of Agriculture. B.S., 1872, Iowa State.

1887: M. Stalker, Master of Science. B.S., 1873, Iowa State; first editor Aurora, the student newspaper; developed the curriculum in Veterinary Science.

1887: E. W. Stanton, Master of Science. B.S., 1872, Iowa State in the first graduating class; Acting President of Iowa State four times.

1890: Charles Keffer, Master of Horticulture; received another honorary degree in 1914. Only two people in Iowa State history have received two honorary degrees.

1895: Mattie Locke Macomber, Master of Philosophy. B.S., 1872, Iowa State in the first graduating class.

1897: James W. Wilson, Master of Agriculture. B.S., 1896, Iowa State; became U.S. Secretary of Agriculture; was the first of four Iowa State graduates to serve as U.S. Secretary of Agriculture.

1903: Robert B. Armstrong, Master of Philosophy.

1903: W.T. Hornaday, Master of Philosophy. World-famed naturalist and zoologist.

1907: J. C. Blair, Master of Agriculture.

1907: I. B. Schreckengast, Master of Philosophy.

1908: Virginia Corbett, Master of Philosophy. B.S., 1893, Iowa State; Dean of Women at Colorado State at Fort Collins.

1909: Norman J. Coleman, Doctor of Science.

1909: Seaman A. Knapp, Doctor of Science. Appointed president of Iowa State College from 1883-1885.

1909: James W. Robertson, Doctor of Science.

1914: Charles Keffer, Doctor of Science.

1914: George L. McKay, Doctor of Science. Recognized for his work in dairying.

1914: James Wilson, Doctor of Science.

1915: Marion Dorset, Doctor of Veterinary Medicine.

1915: LaVerne Noyes, Doctor of Engineering. B.S., 1872, Iowa State in the first graduating class.

1916: Clarence Henry Eckles, Doctor of Science. B.S., 1895, Iowa State; head of the Department of Dairy Husbandry Farms at St. Paul, Minnesota.

1916: Herbert Osborn, Doctor of Science. B.S., 1879, Iowa State; helped organize the Iowa Academy of Science.

1916: Willis Whited, Doctor of Engineering. B.S., 1879, Iowa State; bridge engineer in Pennsylvania with the State Highway Department.

1920: W.C. Armstrong, Doctor of Engineering. B.S., 1881, Iowa State; in charge of building the Northwestern Depot in Chicago.

1920: Joseph Charles Arthur, Doctor of Science. B.S., 1872, M.S., 1877, Iowa State, which was the first advanced degree from Iowa State; first librarian at Iowa State.

1920: Alfred Atkinson, Doctor of Science. B.S., 1904, Iowa State; president of Montana State College of Agriculture.

1920: Carlton R. Ball, Doctor of Science. B.S., 1893, Iowa State; agronomist with the USDA and an authority on plant rust.

1920: Isabelle Bevier, Doctor of Science. Head of the Department of Home Economics at the University of Illinois.

1920: Deon Eugene Davenport, Doctor of Science. Dean of the School of Agriculture at the University of Illinois.

1920: Arthur P. Davis, Doctor of Engineering. President of the American Society of Civil Engineers.

1920: Albert S. Hitchcock, Doctor of Science. B.S., 1884, Iowa State; agronomist in the U.S. Department of Agriculture.

1920: L. S. Klinek, Doctor of Science. President of the University of British Columbia.

1920: John R. Mohler, Doctor of Science. Chief of the Bureau of Animal Industry in the U.S. Department of Agriculture.

1920: Wilmon Newell, Doctor of Science. B.S., 1897, Iowa State; responsible for the eradication of the citrus canker in the U.S.

1920: R. A. Oakley, Doctor of Science. Agronomist in charge of seed distribution in the U.S. Department of Agriculture.

1920: Thomas L. Smith, Doctor of Engineering. Prominent mechanical engineer and inventor.

1921: Carrie Chapman Catt, Doctor of Laws. B.S., 1880, Iowa State; distinguished champion of the suffragist and peace movement and organizer of the League of Women Voters.

1922: Henry C. Wallace, Doctor of Laws. B.S., 1892, Iowa State; U.S. Secretary of Agriculture.

1925: George I. Christie, Doctor of Science. B.S., 1903, Iowa State; Under Secretary of Agriculture, U.S.D.A.

1925: Clyde W. Warburton, Doctor of Science. B.S., 1902, Iowa State; head of the Bureau of Plant Industry of the U.S.D.A. under James Wilson.

1926: Matt Luckiesh, Doctor of Science.

1928: George R. Chatburn, Doctor of Engineering. B.S., 1884, Iowa State; head of the Department of Civil Engineering at the University of Nebraska.

1928: W. K. Robbins, Doctor of Science. B.S., 1878, Iowa State; outstanding agricultural chemist.

1928: J. H. Shephard, Doctor of Agriculture.

1928: Edward A. Sherman, Doctor of Science. B.S., 1896, Iowa State.

1929: Clifford P. Fitch, Doctor of Science.

1929: Thomas H. MacDonald, Doctor of Science. B.S., 1904, Iowa State; first Secretary and Highway Engineer for the Iowa Highway Commission.

1932: John Hammond, Doctor of Science.

1932: A. J. Kluyer, Doctor of Science.

1934: Henry Agard Wallace, Doctor of Science. B.S., 1910, M.S., 1920, Iowa State; U.S. Secretary of Agriculture; was Vice President under Franklin D. Roosevelt; DAC recipient in 1964.*

1935: Duncan Marshall, Doctor of Agriculture.

1936: Ronald Alymer Fisher, Doctor of Science.

1936: Raymond Mollyneaux Hughes, Doctor of Laws; president of Iowa State from 1927 to 1936; his Handbook for College Trustees was well regarded.

1940: Maria M. Roberts, Doctor of Laws. B.S., 1890, Iowa State; professor of mathematics and dean of the Junior College at Iowa State.

1942: George Harrison Shull, Doctor of Science.

1942: Wilbur M. Wilson, Doctor of Engineering. B.S., 1900, Iowa State.

1944: Rush B. Lincoln, Doctor of Science.

1945: Milton Ferdinand Beecher, Doctor of Engineering. B.S., 1910, Iowa State; official in the Norton Company in Worcester, Massachusetts.

1945: Thomas Ray Stanton, Doctor of Agriculture.

1947: Mabel V. Campbell, Doctor of Science, honorary degree conferred at the convocation celebrating 75 years of home economics at Iowa State. B.S., 1905, Iowa State.

1947: Hazel Steibling, Doctor of Science; honorary degree conferred at the convocation celebrating 75 years of home economics at Iowa State. Chief of the Bureau of Human Nutrition and Home Economics, U.S.D.A.

1948: Anson S. Marston, Doctor of Engineering. First dean of engineering at Iowa State.

1948: Louis Bevier Spinney, Doctor of Science. B.S., 1892; B.S., 1893, Iowa State; taught physics and electrical engineering in the Beardshear administration; later became head of the Department of Physics.

1948: Lyle Ford Watts, Doctor of Agriculture. B.S., 1913, Iowa State; chief of the U.S. Forest Service.

1949: Earl Owen Shreve, Doctor of Engineering. B.S., 1904, Iowa State; vice president of General Electric.

1949: William Wesley Waymack, Doctor of Science. Editor of the Des Moines Register.

1951: Harry C. Murphy, Doctor of Engineering; president of the Burlington Railroad System.

1951: Edward Norris Wentworth, Doctor of Agriculture. B.S., 1907, M.S., 1909, Iowa State; faculty member at Iowa State College; distinguished historian of American livestock; author of American Sheep Trails.

1952: Roscoe C. Pollock, Doctor of Agriculture. B.S., 1913, M.S., 1921, Iowa State.

1952: Ruth Buxton Sayre, Doctor of Laws. Outstanding woman in Iowa agriculture; helped found Associated Country Women of the World; appointed by President Eisenhower to the Agricultural Advisory Committee in 1950; held posts in local, state and national Farm Bureau women's organizations.

1953: Ezra Taft Benson, Doctor of Agriculture. M.S., 1927, Iowa State; U.S. Secretary of Agriculture.

1953: Fred T. Whiting, Doctor of Engineering. B.S., 1913, Iowa State; vice president for Westinghouse Company in charge of the Northwest district.

1954: Thomas Roy Truax, Doctor of Agriculture. B.S., 1912, Iowa State; head of the Forest Products Division of the U.S.D.A. at Madison, Wisconsin; honorary degree conferred at the 50th anniversary of the Department of Forestry.

1955: Almon H. Fuller, Doctor of Engineering. Head of the Department of Civil Engineering at Iowa State.

1955: Bernard W. Hammer, Doctor of Agriculture. Involved in Dairy Bacteriology at Iowa State.

1956: John Foster Dulles, Doctor of Laws. U.S. Secretary of State.

1957: Belle Lowe, Doctor of Science.

Bureau of Home Economics, Washington, D.C., 1923-1924; food scientist and professor at Iowa State College from 1918 until retirement in 1956; recognized for research on preparation, quality, and preservation of poultry, meats, and fats; published textbook: Experimental Cookery.

1958: Henry Dale Bergman, Doctor of Science. D.V.M., 1910, Iowa State; dean of veterinary medicine, Iowa State.

1958: Ralph Kenneth Bliss, Doctor of Science. B.S., 1905, Iowa State; director of Agriculture and Home Economics Extension at Iowa State.

1958: Florence Alberta Fallgatter, Doctor of Science. Head of the Department of Home Economics Education at Iowa State.

1958: Charles Edwin Friley, Doctor of Science. Served as Acting President from 1935 to 1936; president from 1936-1953.

1958: Robert Earle Buchanan, Doctor of Science. B.S., 1904, Iowa State; dean of industrial science, head of the Department of Bacteriology, Dean of the Graduate College, and director of the Agricultural Experiment Station at Iowa State.

1958: John Walter Coverdale, Doctor of Science. Official in Rath Packing Company.

1958: Gertrude Mary Cox, Doctor of Science. B.S., 1929, Iowa State.

1958: Edward Bertram Evans, Doctor of Science. D.V.M., 1918, Iowa State; the centennial program carried the following, "Veterinarian, Agricultural Educator." DAC recipient in 1968.*

1958: Theodore V. Houser, Doctor of Science. B.S., 1915, Iowa State; president of Sears Roebuck and Co.

1958: Henry H. Kildee, Doctor of Science. B.S., 1908, M.S., 1917, Iowa State; head of the Department of Animal Husbandry and Dean of Agriculture, Iowa State.

1958: Allan Blair Kline, Doctor of Science. B.S., 1938, Iowa State; president of the American Farm Bureau.

1958: Beth Baily McLean, Doctor of Science. M.S., 1933, Iowa State; the centennial program carried the following, "Home Economist, Business Woman."

1958: James Lewis Morrill, Doctor of Laws. President of the University of Minnesota.

1958: George Waddel Snedecor, Doctor of Science. Organized the Statistical Laboratory; first head of the Department of Statistics.

* Distinguished Achievement Citation, the highest award granted to university alumni

1958: Fred R. White, Doctor of Science. Chief engineer for the Highway Commission.

1965: James H. Hilton, Doctor of Science. B.S., 1923, Iowa State; professor of animal husbandry, Purdue (1927-1945); president, Iowa State (1953-1965).

1991: Raymond F. Baker, Doctor of Humane Letters. B.S., 1935, Iowa State; director of research at Pioneer Hi-Bred International Inc.

1992: Norman Borlaug, Doctor of Humane Letters. 1970 Nobel Peace Prize recipient for work in developing wheat varieties.

1993: Thornton A. Wilson, Doctor of Science. B.S., 1943, Iowa State; President of the Boeing Company in 1968 and chairman of the board in 1972; DAC recipient in 1973.*

1993: Charles Concordia, Doctor of Science. One of the most distinguished power systems engineers in the world.

1994: George Washington Carver, Doctor of Humane Letters. B.S., 1894, M.S., 1896, Iowa State; first African-American Student at Iowa State; world renowned plant scientist.

1994: Hugh S. Sidey, Doctor of Humane Letters. B.S., 1950, Iowa State; staff member and columnist for Time magazine for more than 30 years; first recipient of James W. Schwartz Award for "Distinguished Service to Journalism and Mass Communication"; DAC recipient in 1972.*

1995: D. Gale Johnson, Doctor of Humane Letters. B.S., 1932, Ph.D., 1945, Iowa State; teacher and researcher of the agricultural economic problems in Russia and China; DAC recipient in 1995.*

1996: M. E. "Gene" Ensminger, Doctor of Humane Letters. Achievements for his work in animal science, education and international agriculture.

1997: Simon Estes, Doctor of Humane Letters. studied voice at the University of Iowa from 1956-1963; from 1964 to 1965 studied at the Julliard School of Music; distinguished faculty member at Julliard since 1986; recognized for extraordinary achievements in operatic music, philanthropy, and generosity to disadvantaged children; named Honorary Alumnus in 2007.

1997: Emery N. Castle, Doctor of Humane Letters. Ph.D., 1952, Iowa State; recognized for his outstanding achievements in agricultural economics helping to improve the quality of life in rural America.

1997: Edwin G. Krebs, Doctor of Science. Co-winner of the 1992 Nobel Prize in Physiology or Medicine; recognized for outstanding contributions in biochemistry and medicine.

1998: Federico Mayor, Doctor of Science. Recognized for his extraordinary achievements as a biochemist and for promoting peace in the Middle East and throughout the world.

2000: John Vincent Atanasoff, Doctor of Science. M.S., 1926, Iowa State; with the help of graduate student Clifford Berry, designed, assembled and demonstrated the first electronic digital computer, the Atanasoff-Berry Computer, in the basement of Iowa State University's Physics Building; he remains an inspiration to generations of Iowa Staters with his legacy of inquiry and excellence in the physical sciences and engineering; DAC recipient in 1984.*

2000: Morris Soller, Doctor of Science. Recognized for leading the way in the actual discovery of genetic science.

2000: Jean Marie Dubois, Doctor of Science. One of the world's leading researchers in the area of quasicrystals; credited with fostering and guiding collaborative research on useful applications for quasicrystals, including a project involving scientists at Iowa State University and the Ames Laboratory.

2001: Keith R. Yamamoto, Doctor of Science. B.S., 1968, Iowa State; internationally known research scientist and a leader in national science policy; known for his breakthrough work on steroid hormone receptors; DAC recipient in 1997.*

2001: John Ruan, Doctor of Humane Letters. Chairman and CEO of The Ruan Companies, Des Moines; recognized for his generosity to the city of Des Moines, his home state of Iowa and the international community; founder and ongoing supporter of the World Food Prize Foundation, publicizes the challenges of feeding the world and recognize significant advances in our capacity to produce, improve and distribute food.

2002: Katharine Abraham, Doctor of Science. B.S., 1976, Iowa State; occupied one of the most important professional positions in the U.S. government dealing with economic performance and economic policy, the Bureau of Labor Statistics; under her direction, the bureau improved its method for collecting employment statistics, initiated a program to collect data on job vacancies and improved the way the Consumer Price Index is measured; DAC recipient in 1999.*

2002: Dr. M. Daniel Lane, Doctor of Humane Letters. Contributions to research in the fields of biochemistry and nutrition; international leader in understanding the development and mechanisms underlying obesity; contributed to development of appetite-controlling drug; ground-breaking work in insulin signaling and in mechanisms underlying diabetes.

2003: Roy Whistler, Doctor of Science. Ph.D., 1938, Iowa State; an internationally recognized leader in carbohydrate research for more than half a century; DAC recipient in 1999.*

2003: Joanne Eicher, Doctor of Humane Letters. Played a key role in developing an understanding of and respect for African textiles in this country.

2006: Vance Coffman, Doctor of Science. B.S., 1967, Iowa State; widely respected by the nation's military and civilian leaders, often sought for advice on national security goals; DAC recipient in 1999.*

2006: Graham B. Spanier, Doctor of Humane Letters. B.S., 1969, M.S., 1971, Iowa State; president of the Pennsylvania State University; known as one of the nation's premier leaders in higher education issues and helping universities meet the changing needs of the society and world; recipient of Distinguished Alumni Award in 2004.

2006: Monkombu Sambasivan Swaminathan, Doctor of Humane Letters. Ph.D. in plant genetics from Cambridge University; acclaimed by TIME magazine as one of the 20 most influential Asians of the 20th century and one of three from India, the others being Mahatma Gandhi and Rabindranath Tagore; considered a world leader in sustainable food security.

2006: Robert D. Ray, Doctor of Humane Letters. an attorney in Des Moines for 14 years; he served an unprecedented five terms as Governor of Iowa, from 1969-1983, served as a U.S. representative to the United Nations; named "Most Influential Iowan" at the turn of the century and holds honorary degrees from 17 colleges and universities.

2007: Robert Byron Bird, Doctor of Science. B.S., University of Illinois; Ph.D., Wisconsin; Vilas Professor Emeritus of chemical and biological engineering at the University of Wisconsin, Madison; known for five decades of books and research in chemical engineering and thermal science; Fulbright Lecturer and Guggenheim Fellow at Technische Universiteit, Delft, The Netherlands; Fulbright Professor at Kyoto University and Nagoya University, Japan; Fulbright Lecturer at the University of Sarajevo, Bosnia; and a visiting professor at universities in the United States, China and Belgium.

2007: John Pappajohn, Doctor of Humane Letters. Founder and president of Equity Dynamics, Inc., and Pappajohn Capital Resources, a venture capital firm; director on more than 40 public and private boards; launched the Pappajohn Centers for Entrepreneurship at several Iowa colleges; Iowa Philanthropist of the Year Award in 1998, and Honorary Alumni of Iowa State University in 2005.

2008: Michael M. Crow, Doctor of Humane Letters. B.S., 1977, Iowa State; Ph.D., 1985, Maxwell School of Citizenship and Public Affairs, Syracuse University; president, Arizona State University; faculty member: University of Kentucky, Columbia University, Iowa State (1985-1991). Helped establish more than 15 applied research centers and technology transfer organizational structures and mechanisms. Involved with Institute for Physical Research and Technology (IPRT) and Center for Crops Utilization Research (CCUR). Served as senior adviser to U.S. Departments of State and Commerce on science and technology policy related to intelligence and national security; a Fellow of the National Academy of Public Administration; and member, Council on Foreign Relations.

2008: Kenneth M. Quinn, Doctor of Humane Letters. Graduate of Wahlert High School and Loras College; former U.S. Ambassador to the Kingdom of Cambodia; president, World Food Prize Foundation; member, American Foreign Service; member, Henry Kissinger's National Security Council; Special Assistant to Ambassador Richard Holbrooke; Narcotics Counselor at US mission to the United Nations in Vienna; humanitarian efforts on behalf of refugees; Chairman of the Inter-agency Task Force on POW/MIAs; and member of the US-Russia POW/MIA Commission.

2009: J. Dwayne McAninch, Doctor of Science. Founder, McAninch Corporation; adviser to the board of Caterpillar/Trimble Control Technologies, LLC; provided leadership for applying GPS technology to construction methods.

2009: Chan Koo Park, Doctor of Science. B.S., 1976, Iowa State; Chairman and CEO of chemical operations, Kumho Asiana Group; leader and innovator in the petrochemical industry; helped establish Asiana Airline, Kumho Express and Kumho Telecomm divisions; awards include: Gold Tower Industry Honor, Korea's highest corporate CEO award, Korea's Environment-Friendly Award, and several awards from the Office of the Korean President for contributions to the national economy, industry safety standards, labor relations, the environment and social responsibility.

2009: M. Patricia Quinlisk, Doctor of Science. B.S. University of Wisconsin, Stevens Point; Master of Public Health from Johns Hopkins University; and M.D. from the University of Wisconsin, Madison. Epidemiologist and Medical Director of the Iowa Department of Public Health for the state of Iowa.

2010: Harold L. Brock, Doctor of Science. Apprenticed with Henry Ford at the Ford Trade and Apprentice School at age 15 and became Henry Ford's personal engineer; founding member of the board of directors of Hawkeye Community College in Waterloo; the Brock Student Center at Hawkeye Community College named in his honor; Director of Tractor Research and later Manager of Product Engineering at the John Deere Waterloo Tractor Works; designed the Deere 4020 tractor and brought it into production in 1963; founding member and president of the Society of Automotive Engineers (SAE), Mississippi Valley Section; recipient of the Cyrus Hall McCormick-Jerome Increase Case Gold Medal from the ASABE.

2010: Jonathan D. Rich, Doctor of Science. B.S. Iowa State; Ph.D. University of Wisconsin; over 20 years of experience in the silicones industry, starting as a research chemist and progressing to CEO of the second-largest producer of silicones and silicone derivatives in the world; director of Momentive Performance Materials Inc. in June 2007; joined Goodyear Tire and Rubber Company in 2000, serving as director of chemical R&D, president of Goodyear Chemical, and in 2002 was named president, North American Tire, and Chairman of the Board, Goodyear Dunlop Tires NA; serves on Iowa State University's Institute for Physical Research and Technology (IPRT) Industrial Advisory Board.

2011: Harold Scheraga, Doctor of Science. B.S., 1941, City College of New York; A.M., 1942 and Ph.D., 1946 Duke University; one of the world's leading physical chemists working on macromolecules, primarily proteins and nucleic acids, member of the National Academy of Science and American Academy of Arts and Science, and a Fellow of the American Chemical Society, Biophysical society, and American Association for the Advancement of Science, six-time Fogarty Scholar of the National Institutes of Health. Four of his papers have been designated as "citation classics" by the journal Current Contents, and in the March 1982 issue, he was listed as the most frequently cited physical chemist in the world. In a 2009 ranking of the 2,000 most notable living chemists, he was ranked 11th

2011: Robert N. Shelton, Doctor of Science. B.S., Stanford University; M.S. and Ph.D., University of California; 19th president of the University of Arizona, affiliated with the Ames Laboratory of the U.S. Department of Energy at ISU, in 1987, he joined the faculty at the University of California, Davis, as professor and chair of the Department of Physics, was appointed Vice Chancellor for Research in 1990, and Vice Provost for Research of the University of California system in 1996, in 2001, he joined the University of North Carolina, Chapel Hill, as Executive Vice Chancellor and Provost, Dr. Shelton's research has focused on collective electron effects in novel materials, and he made many significant contributions to the advancement of superconductivity and superconductive materials.

2011: Benjamin J. Allen, Doctor of Humane Letters. B.S., Indiana University; M.S. and Ph.D., University of Illinois; president of the University of Northern Iowa since 2006; former professor, dean, vice president and provost at Iowa State University from 1979 to 2006; and a member of the Washington State University faculty from 1974 to 1979, including a year as a Brookings Economic Policy Fellow in the U.S. Department of Transportation; nationally known researcher and educator in transportation and logistics, appointed by Iowa Governor Branstad to co-chair, the Iowa STEM (Science, Technology, Engineering and Mathematics) Advisory Council.

2012: George P. Belitsos, Doctor of Humane Letters. Founder and Chief Executive Officer of Youth and Shelter Services, Inc. (YSS). Headquartered in Ames, YSS is dedicated to helping communities prepare young people for the challenges of life by providing information services and tools to create healthier opportunities and outcomes for troubled youth.

2012: Daniel Gianola, Doctor of Science. B.S. 1970, Universidad de la Republica, M.S. 1973, Ph.D. 1975 University of Wisconsin – Madison. Sewall Wright Professor of Animal Breeding and Genetics at the University of Wisconsin, Madison. Dr. Gianola's research involves theory and applications of quantitative genetics to animal breeding, and it has had a profound impact on the analysis of animal breeding data.

2012: James L. Barnard, Doctor of Science. B.S. University of Stellenbosch and University of Pretoria; M.S. University of Texas; Ph.D. Vanderbilt University. Global Practice and Technology Leader for Black and Veatch, an international engineering, consulting and construction company in energy, water, telecommunications, and management consulting projects with more than 100 offices worldwide; one of the world's leading environmental engineers.

2013: Peggy A. Whitson, Doctor of Science. B.S. Iowa Wesleyan College; Ph.D. Rice University. National Research Council Resident Research Associate at NASA's Johnson Space Center. She joined NASA as a research biochemist in 1989. Later became a NASA astronaut, space mission commander and chief of the NASA Astronaut Corps; included two extended periods in space aboard the International Space Station (ISS), serving as NASA's first Science Officer on her first mission and as commander of the second mission. The first mission (2002), lasted 185 days and included a nearly four and one-half hour spacewalk to install and check equipment. Her second space mission (2007), lasted 192 days.

2014: Stephen J. Rapp, Doctor of Humane Letters. B.A. Harvard, J.D. Drake University. Appointed U.S. attorney in the Northern District of Iowa, serving from 1993-2001. In 2001, he led the prosecution of the "media trial" following the 1994 Rwandan genocide. He then served as chief prosecutor of the Special Court for Sierra Leone. In 2009, he was appointed by President Obama as U. S. ambassador-at-large for war crimes issues in the Office of Global Criminal Justice.

2015: Dame DeAnne Julius, Ph.D., Doctor of Humane Letters. B.S. Iowa State University; M.A. and Ph.D. University of California, Davis. International economist, served as economic analyst for the U.S. Central Intelligence Agency and project economist for the World Food Bank. Named by Queen Elizabeth, II to Commander of the Most Excellent Order of the British Empire for national civilian service; and Dame Commander in the Most Distinguished Order of Saint Michael and Saint George. Serves as chair of the Governing Council of the University College London.

2015: Eugene G. Sukup, Doctor of Science. Founder of Sukup Manufacturing Co., largest family-owned, full-line grain drying and storage equipment manufacturer. Entrepreneur and civic minded philanthropist with more than 80 U.S. patents. Innovative inventor dedicated to solving food grain production problems and also helping to feed and clothe people around the globe.

2016: Ernest Moniz, Doctor of Science. B.S. Boston College, Ph.D. Stanford University, and honorary degrees from the University of Athens, the University of Erlangen-Nuremberg, Michigan State University and Universidad Pontificia de Comillas. As U.S. Secretary of Energy, he was tasked with implementing critical Department of Energy missions in support of President Obama's goals of growing the economy, enhancing security and protecting the environment. Prior to his appointment, he served as Under Secretary of the Department of Energy and was the Cecil and Ida Green Professor of Physics and Engineering Systems at the Massachusetts Institute of Technology (MIT), where he was a faculty member since 1973.

2017: Dennis A. Muilenburg, Doctor of Science. B.S. Iowa State University; M.S. University of Washington. Chairman of the board, president and chief executive officer of The Boeing Company. Fellow of the American Institute of Aeronautics and Astronautics (AIAA) and the Royal Aeronautical Society. He oversees the strategic direction of the Chicago-based, \$94.6 billion aerospace company. With more than 150,000 employees across the U.S. and in more than 65 countries.

2018: Dwight Ink, Doctor of Humane Letters B.S. Iowa State University. Ink, a native Iowan and the first Iowa State student to earn a degree in government, is an accomplished civil servant with extraordinary and outstanding contributions to numerous federal agencies, as well as the author of two books on governing, and has been a trusted advisor to seven U.S. presidents.

2018: Jon Kinzenbaw, Doctor of Science. Kinzenbaw, chief executive officer and chairman of the board for Kinze Manufacturing Inc. in Williamsburg, Iowa, is an accomplished Iowa farmer, inventor, manufacturer, and entrepreneur. Kinzenbaw has produced a stream of successful innovations to agricultural mechanization, resulting in 37 patents and numerous award and honors for his achievements.

2018: Theaster Gates, Doctor of Humane Letters. B.S. and M.S. Iowa State University; M.F.A. University of Cape Town in South Africa. Gates, is an acclaimed artist and innovator in urban revitalization and planning. As an artist, he creates work that focuses on space theory and land development, sculpture, and performance. Drawing on his interest and training in urban planning and preservation, he redeems spaces that have been left behind, bringing the conversation of space to the forefront of contemporary art practice to bridge the gap between art and life. Known for his recirculation of art-world capital, Gates' work explores the possibility of "life within things."

2019: Robert A. Easter, Doctor of Science. B.S. and M.S. Texas A&M University; Ph.D. University of Illinois. Easter is President Emeritus of the University of Illinois, having served the institution for 42 years. In addition to his work on campus, Easter also served his country and his community. He was a member of the U.S. Army Reserves for 20 years. President George W. Bush appointed him to Chair the Board on International Food and Agricultural Development. He also served on the Chicago Council on Global Affairs committee assigned to develop recommendations for the U.S. Farm Bill in 2002 and 2008. Easter chaired the Task Force on Antibiotic Resistance. He has advised two USAID international agricultural development projects.

THE BELLS OF IOWA STATE

Words and Music by
"Jim" Wilson

Green hills for thy throne, and for crown a gold - en mel - o - dy
Ring - ing in the hearts of all who bring thee love and loy - al - ty;
Dear Al - ma Ma - ter, make our spir - its great,
True, and val - iant like the bells of I - o - wa State.

THE HISTORY OF "THE BELLS OF IOWA STATE"



Iowa State University Library
Special Collections Department

James C. Wilson (1900-1995) was a member of Iowa State's English faculty from 1928 to 1931. He had to resign due to his lack of a Ph.D., and prior to his departure, he submitted a college song candidate for a song contest sponsored by the Iowa State Club of Chicago.

Jim and his wife, Alice, moved to Chicago where as he notes, "We (in addition to their two babies) had \$212 in cash from my last paycheck, our five-year-old Chevrolet, and the tent." He won first place with "The Bells of Iowa State," and the family was able to purchase a small cottage on Lake Michigan.

"When I wrote 'The Bells of Iowa State,' I thought then that it had much more depth and emotion than your basic football fight song," Wilson said. "Its continuing popularity leaves me very pleased, not so much because it's my own song, but because it has had such a good effect on those who have been touched by it." (The Iowa Stater, June 1983)